Service Service Service

7644

ServiceManual

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IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all Philips Consumer Electronics Company** Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various **CAUTIONS** and **NOTICES** which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these **CAUTIONS** and **NOTICES ARE NOT EXHAUSTIVE**. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done, or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

** Hereafter throughout this manual, Philips Consumer Electronics Company will be referred to as Philips.

WARNING

Critical components having special safety characteristics are identified with a A or "S" by the Ref. No. in the parts list and enclosed within a broken line* (where several critical components are grouped in one area) along with the safety symbol A on the schematics or exploded views. Use of substitute replacement parts which do not have the same specified safety characteristics may create shock, fire, or other hazards. Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

* Broken Line _	
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FIRE AND SHOCK HAZARD

- 1. Be sure all components are positioned in such a way as to avoid the possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the service shop.
- 2. Never release a repaired unit unless all protective devices such as insulators, barriers, covers, strain reliefs, and other hardware have been installed in accordance with the original design.
- 3. Soldering and wiring must be inspected to locate possible cold solder joints, solder splashes, sharp solder points, frayed leads, pinched leads, or damaged insulation (including the ac cord). Be certain to remove loose solder balls and all other loose foreign particles.
- 4. Check across-the-line components and other components for physical evidence of damage or deterioration and replace if necessary. Follow original layout, lead length, and dress.
- 5. No lead or component should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces or edges must be avoided.
- 6. Critical components having special safety characteristics are identified with an 'S' by the Ref. No. in the parts list and enclosed within a broken line* (where several critical components are grouped in one area) along with the safety symbol on the schematic diagrams and /or exploded views.
- 7. When servicing any unit, always use a separate isolation transformer for the chassis. Failure to use a separate isolation transformer may expose you to possible shock hazard, and may cause damage to servicing instruments.
- 8. Many electronic products use a polarized ac line cord (one wide pin on the plug). Defeating this safety feature may create a potential hazard to the servicer and the user. Extension cords which do not incorporate the polarizing feature should never be used.
- 9. After reassembly of the unit, always perform an ac leakage test or resistance test from the line cord to all exposed metal parts of the cabinet. Also, check all metal control shafts (with knobs removed), antenna terminals, handles, screws, etc., to be sure the unit may be safely operated without danger of electrical shock.

*]	Broken	line		_		_		_	
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LEAKAGE CURRENT COLD CHECK

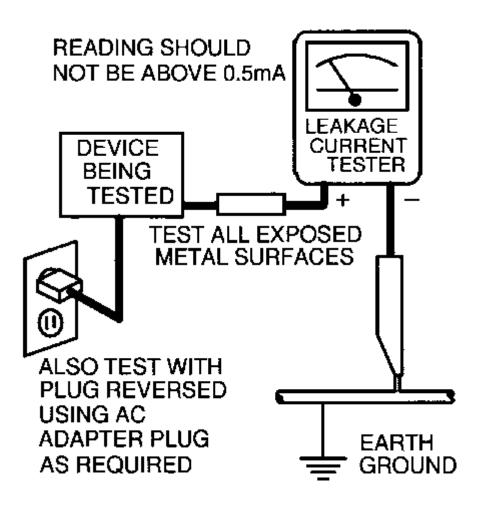
- 1. Unplug the ac line cord and connect a jumper between the two prongs of the plug.
- 2. Turn on the power switch.
- 3. Measure the resistance value between the jumpered ac plug and all exposed cabinet parts of the receiver, such as screw heads, antennas, and control shafts. When the exposed metallic part has a return path to the chassis, the reading should be between 1 megohm and 5.2 megohms. When the exposed metal does not have a return path to the chassis, the reading must be infinity. Remove the jumper from the ac line cord.

LEAKAGE CURRENT HOT CHECK

- 1. Do not use an isolation transformer for this test. Plug the completely reassembled receiver directly into the ac outlet.
- 2. Connect a 1.5k, 10W resistor paralleled by a 0.15uF. capacitor between each exposed metallic cabinet part and a good earth ground such as a water pipe, as shown below.
- 3. Use an ac voltmeter with at least 5000 ohms/volt sensitivity to measure the potential across the resistor.
- 4. The potential at any point should not exceed 0.75 volts. A leakage current tester may be used to make this test; leakage current must not exceed 0.5mA. If a measurement is outside of the specified limits, there is a possibility of shock hazard. The receiver should be repaired and rechecked before returning it to the customer.
- 5. Repeat the above procedure with the ac plug reversed. (Note: An ac adapter is necessary when a polarized plug is used. Do not defeat the polarizing feature of the plug.)

OR

With the instrument completely reassembled, plug the ac line cord directly into a 120Vac outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument ac switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See the graphic below.



TV SAFETY NOTES

SAFETY CHECKS

After the original service problem has been corrected, a complete safety check should be made. Be sure to check over the entire set, not just the areas where you have worked. Some previous servicer may have left an unsafe condition, which could be unknowingly passed on to your customer. Be sure to check all of the following:

Fire and Shock Hazard
Implosion
X-Radiation
Leakage Current Cold Check
Leakage Current Hot Check
Picture Tube Replacement
Parts Replacement

WARNING: Before removing the CRT anode cap, turn the unit OFF and short the HIGH VOLTAGE to the CRT DAG ground.

SERVICE NOTE: The CRT DAG is not at chassis ground.

IMPLOSION

- 1. All picture tubes used in current model receivers are equipped with an integral implosion system. Care should always be used, and safety glasses worn, whenever handling any picture tube. Avoid scratching or otherwise damaging the picture tube during installation.
- 2. Use only replacement tubes specified by the manufacturer.

X-RADIATION

- 1. Be sure procedures and instructions to all your service personnel cover the subject of X-radiation. Potential sources of X-rays in TV receivers are the picture tube and the high voltage circuits. The basic precaution which must be exercised is to keep the high voltage at the factory recommended level.
- 2. To avoid possible exposure to X-radiation and electrical shock, only the manufacturer's specified anode connectors must be used.
- 3. It is essential that the service technician has an accurate HV meter available at all times. The calibration of this meter should be checked periodically against a reference standard.
- 4. When the HV circuitry is operating properly there is no possibility of an X-radiation problem. High voltage should always be kept at the manufacturer's rated value no higher for optimum performance. Every time a color set is serviced, the brightness should be run up and down while monitoring the HV with a meter to be certain that the HV is regulated correctly and does not exceed the specified value. We suggest that you and your technicians review test procedures so that HV and HV regulation are always checked as a standard servicing procedure, and the reason for this prudent routine is clearly understood by everyone. It is important to use an accurate and reliable HV meter. It is recommended that the HV reading be recorded on each customer's invoice, which will demonstrate a proper concern for the customer's safety.

- 5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, reduce the line voltage by means of a Variac to bring the HV into acceptable limits while troubleshooting. Do not operate the chassis longer than necessary to locate the cause of the excessive HV.
- 6. New picture tubes are specifically designed to withstand higher operating voltages without creating undesirable X-radiation. It is strongly recommended that any shop test fixture which is to be used with the new higher voltage chassis be equipped with one of the new type tubes designed for this service. Addition of a permanently connected HV meter to the shop test fixture is advisable. The CRT types used in these new sets should never be replaced with any other types, as this may result in excessive X-radiation.
- 7. It is essential to use the specified picture tube to avoid a possible X-radiation problem.
- 8. Most TV receivers contain some type of emergency "Hold Down" circuit to prevent HV from rising to excessive levels in the presence of a failure mode. These various circuits should be understood by all technicians servicing them, especially since many hold down circuits are inoperative as long as the receiver performs normally.

PICTURE TUBE REPLACEMENT

The primary source of X-radiation in this television receiver is the picture tube. The picture tube utilized in this chassis is specially constructed to limit X-radiation emissions. For continued X-radiation protection, the replacement tube must be the same type as the original, including suffix letter, or a Philips approved type.

PARTS REPLACEMENT

Many electrical and mechanical parts in Philips television sets have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. The use of a substitute part which does not have the same safety characteristics as the Philips recommended replacement part shown in this service manual may create shock, fire, or other hazards.

PRODUCT SAFETY GUIDELINES FOR ALL PRODUCTS

CAUTION: Do not modify any circuit. Service work should be performed only after you are thoroughly familiar with all of the following safety checks. Risk of potential hazards and injury to the user increases if safety checks are not adhered to.

USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING.

PREVENTION OF ELECTROSTATIC DISCHARGE (ESD)

Some semiconductor solid state devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices, Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate an electrical charge sufficient to damage ES devices.
- Do not use Freon propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your feet from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device.)

NOTE to CATV system Installer:

This reminder is provided to call the CATV system installer's attention to article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

PRACTICAL SERVICE PRECAUTIONS

IT MAKES SENSE TO AVOID EXPOSURE TO ELECTRICAL SHOCK. While some sources are expected to have a possible dangerous impact, others of quite high potential are of limited current and are sometimes held in less regard.

ALWAYS RESPECT VOLTAGES. While some may not be dangerous in themselves, they can cause unexpected reactions – reactions that are best avoided. Before reaching into the powered color TV set, it is best to test the high voltage insulation. It is easy to do, and is just a good service precaution.

BEFORE POWERING UP THE TV WITH THE BACK OFF (or on a test fixture), attach a clip lead to the CRT DAG ground and to a screwdriver blade that has a well insulated handle. After the TV is powered on and high voltage has developed, probe the anode lead with the blade, starting at the bottom of the High Voltage Transformer (flyback – IFT). Move the blade to within two inches of the connector of the CRT. IF THERE IS AN ARC, YOU FOUND IT THE EASY WAY, WITHOUT GETTING A SHOCK! If there is an arc to the screwdriver blade, replace the High Voltage Transformer or the lead, (if removable) whichever is causing the problem.

PICTURE TUBE REPLACEMENT PROCEDURE

Note: a. Two (2) people are required to handle this picture tube.

- b. Safety Glasses must be worn during this procedure or whenever directly handling a picture tube.
- c. Take care in each step not to damage the CRT or the cabinet.
- 1. Remove the Chassis and the CRT Socket Board Module from the cabinet.
- 2. A furniture pad or blanket should be positioned on the floor to support only the CRT Face. This pad or blanket should be high enough to keep the CRT Face approximately 12 to 14 inches off the floor.
- 3. Using two people, place the cabinet in a front down position with the CRT Face on the pad or blanket.
- 4. Place padded blocks under each corner of the cabinet to keep it from rocking.
- 5. Remove the four screws, at the corners of the CRT.
- 6. With two people lowering the cabinet to the floor, leave the CRT elevated by the pad or blanket.

Note: Take care not to grasp the neck of the CRT during this procedure, as it is extremely fragile.

- 7. Two (2) people may then lift the CRT from the cabinet.
- 8. Remove the degaussing coil from the defective CRT and mount on the replacement. Take care to maintain the exact shape and fit.

To install the new CRT, reverse steps 1 to 7.

Technical Specifications, Connections and Chassis Overview

Technical Specifications

Reception

Feature Data

Tuning system : PLL

Color systems (off-air) : NTSC M

Sound systems : : BTSC DBX

A/V connections : NTSC M,

: NTSC Playback

Channel selections : 181 channels,

: Full-cable, UHF

IF frequency : 45.75MHz

Aerial input : 75 ohm, Coax

Miscellaneous

Set stroke numbers : /17

AC voltage : 120V (± 10%),

AC frequency : $50 / 60Hz (\pm 5\%)$

Ambient temperature : + 5 to + 45 deg. C.

Standby Power consumption : 0.7W

Connections

Front and Top Controls / Side Connections

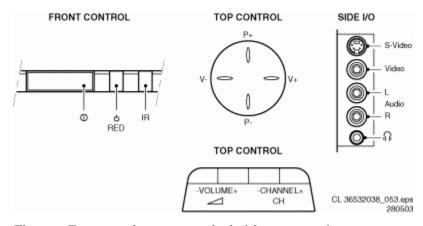


Figure: Front and top controls / side connections

S-Video

Connecto	r Kind	Value	Symbol
1		Gnd	Τ
2		Gnd	T
3	Υ	1Vpp / 75 ohm	\odot
4	С	0.3Vpp / 75 ohm	\odot

Audio / video

Connector	Kind	Value	Symbol
1	Video	1Vpp / 75 ohm	⊕ ⊚
2	Audio	L (0.5Vrms / 10k)	-0 0
3	Audio	R (0.5Vrms / 10k)	0 0
4	Headphone	(32 - 2000 ohm / 10mW)	⊚ □/∩

Rear Connections

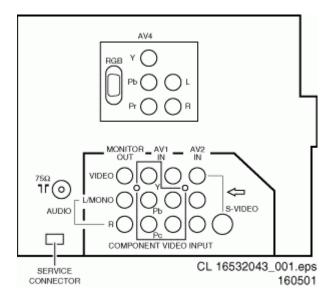


Figure: Rear connections

Monitor out

Connector	Kind	Value	Symbol
1	Video	1Vpp / 75 ohm	\ominus
2	Audio	L (0.5Vrms / 10k)	$\bigcirc \!$
3	Audio	R (0.5Vrms / 10k)	→ ⊚

AV1 in

Connector	Kind	Value	Symbol
1	Υ	0.7Vpp / 75 ohm	⊕ ⊚
2	Pb	0.7Vpp / 75 ohm	-0 0
3	Pr	0.7Vpp / 75 ohm	• ••

AV1 in

Connector	Kind	Value	Symbol
4	Video	1Vpp / 75 ohm	⊕ ⊚
5	Audio	L (0.5Vrms / 10k)	-0 0
6	Audio	R (0.5Vrms / 10k)	⊕ ⊚

AV2 in

Connector	Kind	Value	Symbol
1	Video	1Vpp / 75 ohm	⊕ ⊚
2	Audio	L (0.5Vrms / 10k)	⊕⊚
3	Audio	R (0.5Vrms / 10k)	⊕ ⊚

AV2 in (SVHS)

Connector	Kind	Value	Symbol
1		Gnd	上
2		Gnd	_
3	Υ	1Vpp / 75 ohm	\odot
4	С	0.3Vpp / 75 ohm	\odot

AV4 in (D-sub connector)

Connector	Kind	Value	Symbol
1	Pr/R	0.35 Vpp/0.7 Vpp / ohm	⊕ ⊚
2	Y/G	0.7 Vpp/0.7 Vpp / 75 ohm	⊕ ⊚
3	Pb/B	0.35 Vpp/0.7 Vpp / 75 ohm	⊕ ⊚
4	Н	5 Vpp / 1 kohm	⊕ ⊚
5	V	5 Vpp / 1 kohm	⊕⊚

AV4 in (cinches)

Connector	Kind	Value	Symbol
1	Y/G	0.7 Vpp/0.7 Vpp / 75 ohm	-0 0
2	Pb/B	0.35 Vpp/0.7 Vpp / 75 ohm	⊕ ⊚
3	Pr/R	0.35 Vpp/0.7 Vpp / 75 ohm	⊕ ⊚

AV4 in

Connector	Kind	Value	Symbol
1	Audio	L (0.5 Vrms / 10 kohm)	⊕ ⊚
2	Audio	R (0.5 Vrms / 10 kohm)	_ 0

Mechanical Instructions

Rear Cover Removal

- 1. Remove all the rear cover retaining screws.
- 2. Now pull the rear cover backward and remove it.

Service Positions

Large Signal Panel (LSP) Service Positions

Service Position 1:

To gain better access to the LSP, do the following:

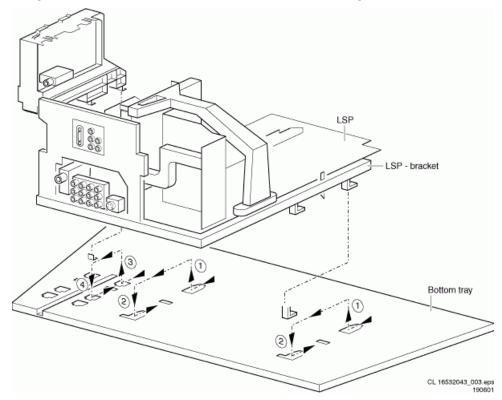


Figure:

- 1. To remove the LSP assembly from the bottom tray, release the 2 locks in the middle on each side rail by moving the tab backward and at the same time pull the complete assembly backward.
- 2. Hook the bracket in the first row of holes in the cabinet bottom (in other words, reposition the bracket from [1] to [2]).
- 3. Do the same with the 'DW/3D comb' module (reposition from [3] to [4]).

Service Position 2:

To make the copper side of the LSP accessible, follow these steps:

- Disconnect the degaussing cable and rotation coil cable (cable between mains assembly and LSP must be long enough, otherwise this mains assembly must also be removed from the cabinet).
- 2. Remove the DAF panel assembly (see explanation later in this chapter), and remove the DAF panel out of the assembly.
- 3. Remove the Side I/O panel from its assembly and place it on the bottom tray.
- 4. Remove the 3D comb filter panel and DW panel out of the mechanical bracket, and reconfigure the cabling.
- 5. Remove the HD jack panel assembly. The HD jack panel itself must stay connected to the LSP.
- Release the cables from their cable ties.
- 7. Carefully shift the LSP panel backward, and shift it a bit to the left (as seen from the back).
- 8. Turn the LSP assembly clockwise, and position the hook of the LSP assembly in the groove of the bottom tray. This is not a true service position, but the LSP assembly position is stable, assuming a big enough table is used.
- Position the DW panel and 3D comb panel carefully on top of the LSP and also position the HD jack panel and DAF panel on the bottom, guarding against shortcircuiting the panels.

10. The LSP is now serviceable (all functions should work, except for degaussing and picture rotation).

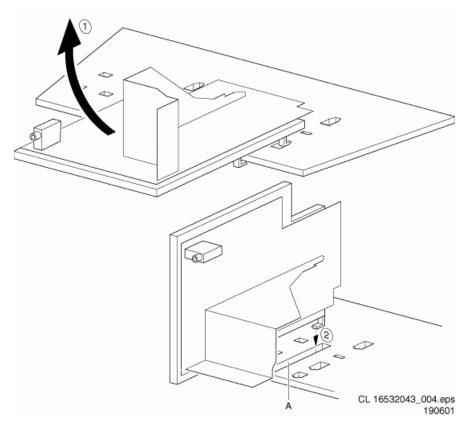


Figure:

Small Signal Board (SSB) Service Position

All relevant test points are accessible with the SSB in its original position, but for ease of use an 'SSB extension board' is available under number 9965 000 05769.

Note: Test points on the side of the SSB pointed to the middle (hot) heatsink could more easily be accessed with an extension board).

To make the SSB accessible on both sides, follow these steps:

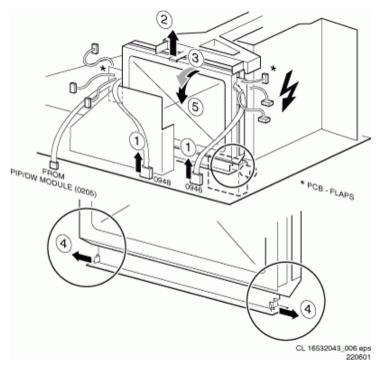


Figure:

- Put the LSP, dependent on the size of the picture tube, a bit to the left of service position 1 (as described above). Otherwise the extension panel will conflict with the CRT panel.
- 2. Release the 'top fixation clamp' that holds the SSB [2], and pull the SSB slightly toward the Tuner [3]. At the same time, release the 2 metal clamps at both sides of the SIMM connector [4]. Pull the top side of the SSB toward the Tuner [5], and take the complete SSB out now (it 'hinges' in the SIMM connector).

- 3. Remove/lift the 'LSP top bracket' after removing the 2 screws that hold the bracket at the right side.
- 4. Remove the shielding of the SSB, and release the coax cable (the one going to connector 0946 on LSP) from the metal groove. In this way this coax cable is long enough to connect to the LSP (see figure below).
- 5. Organize/reorganize the cabling when you put the SSB on the extension panel. The only cable not necessarily needed is the longest coax cable. You do not have DW/PIP functionality then, but in that case you can localize the fault to the DW module. (If necessary, you can order a longer coax cable under number 3104 311 00351).
- 6. Both sides of the SSB are now accessible for servicing.

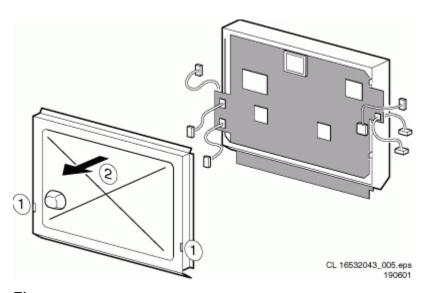


Figure:

Double Window (DW) Panel Removal

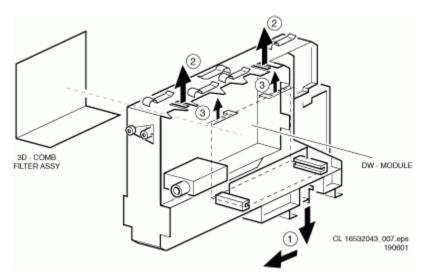


Figure:

- 1. Remove the 'DW panel/3D comb filter panel' bracket from the bottom tray by pulling the release handle [1] backwards. The release catch is lifted by this.
- 2. The board can easily be lifted out of the bracket after releasing the 2 securing clamps [2].
- 3. Both sides of the panel are easily accessible.

3D-Comb Filter Panel Removal

- 1. Pull the release handle [1] backward and remove the 'DW panel/3D comb filter panel' bracket from the bottom tray.
- 2. Remove the 3D comb filter panel from the guiding slots, while with releasing the 2 securing clamps [3].
- 3. The smallest PWB is easily accessible. The biggest PWB is a panel that must be replaced if it is defective. For that reason, accessibility is less important (the interfacing connection is sufficient).

Dynamic Astigmatic Focus (DAF) Panel Removal

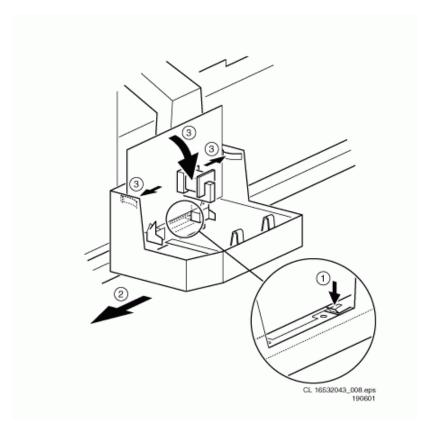


Figure:

- 1. Release a release catch [1] (on the LSP bracket between the LSP and DAF panel) by pushing it down, while pulling the DAF panel assembly backward [2].
- 2. The DAF panel can easily be lifted from its bracket after releasing the 2 securing clamps [3].

Top Control Panel Removal

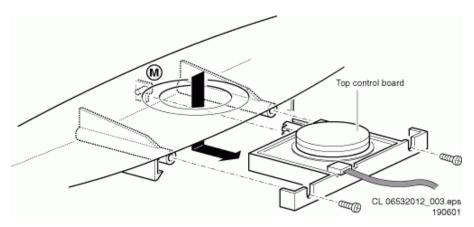


Figure:

- 1. Remove the two screws which hold the panel.
- 2. Pull the top control panel backward (release it from its front hinge [M]).
- 3. Release the 2 securing clamps and lift the panel from its bracket.

Side I/O Panel Removal

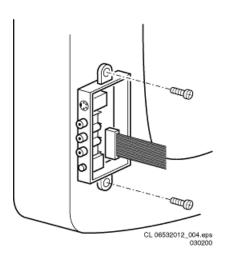


Figure:

1. Release the 2 securing clamps and lift the panel from its bracket.

Mains Switch Panel Removal

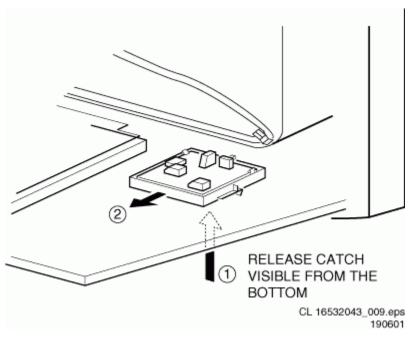


Figure:

The easiest way to access this module is with the LSP in service position 2.

- 1. Position the cabinet a bit over the edge of a table, and push the release catches up from the bottom side of the set [1].
- 2. At the same time pull the Mains Panel assembly backward and remove it [2].

Rear Cover Mounting

Before you mount the Rear Cover, perform the following checks:

- Confirm that the AC Power Cord is mounted correctly in its guiding brackets.
- Confirm that all cables are replaced in their original positions. This is very important due to the large 'hot' area of the set.

Service Modes, Error Codes and Faultfinding

Contents of this chapter:

- 1. Test points.
- 2. Service Modes.
- 3. Problems and solving tips (related to CSM).
- 4. ComPair.
- 5. Error codes.
- 6. The 'blinking LED' procedure.
- Protections.
- 8. Repair tips.

Test Points

The chassis is equipped with test points in the service printing. These test points refer to the functional blocks:

- A1-A2-A3, etc., for the audio processing circuitry [diagrams A5, A6, A7 and B6]
- C01-C02-C03, etc., for the 3D comb interface panel [C0]
- C1-C2-C3, etc., for the control circuitry [B7]
- F1-F2-F3, etc., for the frame drive and frame output circuitry [A4, B4]
- F1F-F2F, etc., for the RGB signals on the CRT panel [F]
- I1-I2-I3, etc., for the intermediate frequency circuitry [A7, B2]
- L1-L2-L3, etc., for the line drive and line output circuitry [A3, B4] and Double
 Window [C]
- N1-N2-N3, etc., for the Jack high definition interface panel [N]
- P1-P2-P3, etc., for the power supply [A1, A2]
- S1-S2-S3, etc., for the feature box circuitry [B3]

• SC1-SC2, etc., for the SCAVEM circuitry on the CRT panel [F]

• V1-V2-V3, etc., for the video processing circuitry [B2, B3, B4, B5, B6] and Double

Window [C]

The numbering is done in a logical sequence for diagnostics; always start diagnosing

within a functional block in the sequence of the relevant test points for that functional

block.

Perform measurements under the following conditions:

• Service mode: SDM.

Video: color bar signal.

Audio: 1kHz, mono.

Service Modes

The Service Default Mode (SDM) and Service Alignment Mode (SAM) offer several

features for the service technician, while the Customer Service Menu (CSM) is used for

communication between dealer and customer.

There is also the option of using ComPair, a hardware interface between a computer

(see requirements), and the TV chassis. It offers the ability of structured

troubleshooting, error code reading, and software version readout for all EM1.1U

chassis.

Minimum requirements: a 486 processor, Windows 3.1 and a CD-ROM drive (see also

paragraph 5.4).

Service Default Mode (SDM)

Purpose

- Provide a situation with predefined settings in order to retrieve the same measurement results as published in this manual.
- Start the 'blinking LED' sequence procedure.
- Have the possibility to override the 5V protection.

Specifications

- Tuning frequency: 61.25MHz (Channel 3).
- Color system: NTSC.
- All picture settings at 50% (brightness, color, picture).
- All sound settings at 50% except volume at 25% (i.e., bass, treble, and balance at 50%, volume at 25%).
- All service-unfriendly modes (if present) are disabled, such as:
 - (sleep) timer,
 - child/parental lock,
 - blue mute,
 - hotel/hospitality mode,
 - auto switch-off (when no 'IDENT' video signal is received for 15 minutes),
 - skip/blank of non-favorite presets/channels,
 - auto store of personal presets,
 - auto user menu time-out.

How to enter

Use one of the following methods:

- Via a standard RC transmitter: key in the code '062596' directly followed by the 'MENU/SELECT' button.
- Via ComPair (simulating the DST).
- Via grounding the 'Front Detect' line (pins 1 and 7 of connector 0240) on the Side
 I/O panel while disconnecting and reconnecting the AC power cord.

CAUTION: Entering SDM by grounding the 'Front Detect' line will override the 5V protection. This should only be done for a short period. In case of SW protections (errors 1 - 4 and 8), the set will shut down in 15s.

When doing this, the service technician must know what he is doing as it could lead to damaging the set.

After entering SDM, the following screen will be shown with 'SDM' at the upper right side for recognition.

SDM Menu

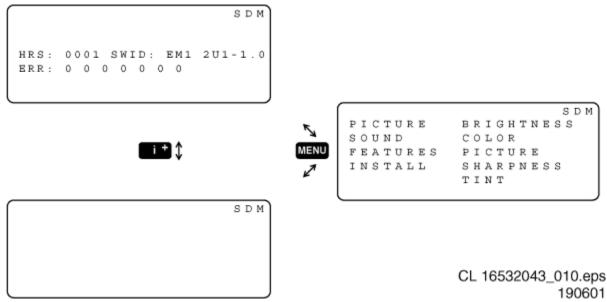


Figure: SDM Menu

How to navigate

When you press the 'MENU' button on the RC transmitter, the set toggles between the SDM and the normal user menus (with the SDM mode still active in the background).

When you press the 'STATUS/EXIT' button on the RC transmitter, the set shows/hides the error buffer. To prevent interference with oscilloscope measurements, it is possible to hide the OSD.

How to exit

Switch the set to STANDBY by pressing the power button on the remote control transmitter or via the 'POWER' switch of the set.

Service Alignment Mode (SAM)

Purpose

- To perform alignments.
- To change option settings.
- To display/clear the error code buffer.

Specifications

- Software alignments (see chapter 8).
- Option settings (see chapter 8).
- Error buffer reading and erasing. The most recent error code is displayed on the left side.
- Hours counter (in hexadecimal format)
- Software version.

How to enter

Use one of the following methods:

- Via a standard RC transmitter by entering the code '062596' followed by the 'STATUS/EXIT' button.
- Via ComPair (simulating the dealer remote).
- By the 'ALIGN' button on the dealer remote, while the set is in the normal operation mode.
- Coming from SDM mode, via pressing the 'VOLUME -' and 'VOLUME+' buttons
 on the local keyboard simultaneously (for a few seconds), the set toggles from
 SDM to SAM.

The following screen will be shown, with 'SAM' at the upper right side for recognition.

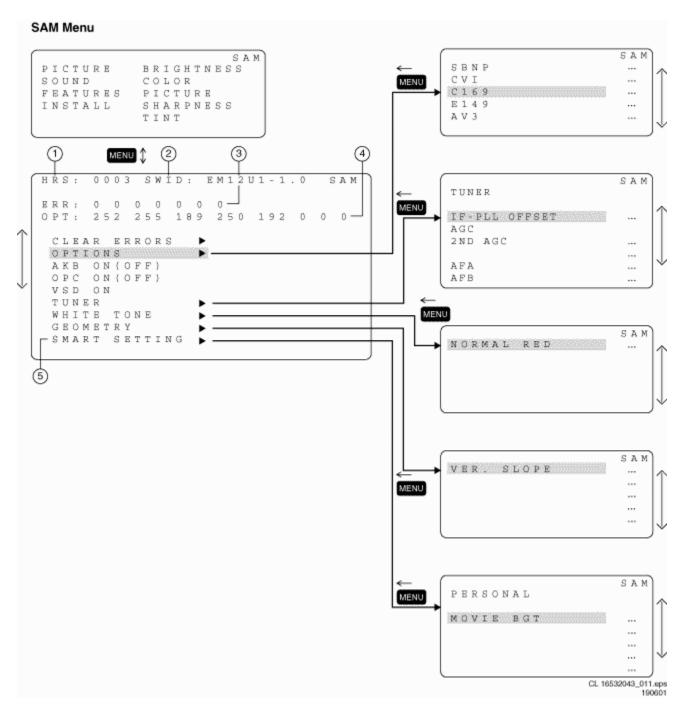


Figure: SAM Menu

Explanation

The Service Alignment Mode menu will now appear on the screen. The following information is displayed:

- 1. Operation hours timer (hexadecimal)
- 2. Software identification of the main microcontroller (AAABBB-X.Y, **example:** EM11U1-1.0)
 - AAA is the chassis name (EM1 = Painter processor, EM2 = OTC processor).
 - BBB = Software code belonging to a certain stroke number, in this case
 1U1 (USA version).
 - X = main version number.
 - Y = sub-version number.
- 3. Error buffer (7 errors possible).
- 4. Option bytes (8 codes possible), summary of options are explained below.
- 5. Sub menus are listed in a scroll menu.

How to navigate

Select menu items with the 'CURSOR UP/DOWN' key. This will highlight the selected item. When not all menu items fit on the screen, move the 'CURSOR UP/DOWN' key to display the next/previous menu items.

With the 'CURSOR LEFT/RIGHT' keys, it is possible to:

- (De)activate the selected menu item (e.g., SERV-BLK).
- Change the value of the selected menu item (e.g., VER-SLOPE).
- Activate the selected submenu (e.g., GEOMETRY).

Pressing the 'MENU/SELECT' button on the RC transmitter switches between the SAM and the normal user menus (with the SAM mode still active in the background).

Pressing the 'MENU/SELECT' key in a submenu will go to the previous menu.

How to exit

Switch the set to STANDBY by pressing the power button on the remote control transmitter or via the 'POWER' switch of the set.

Customer Service Mode (CSM)

Purpose

When a customer is having problems with his TV set, he can call his dealer. The service technician can than ask the customer to activate the CSM, in order to identify the status of the set. Now, the service technician can judge the severity of the complaint. In many cases, he can advise the customer how to solve the problem, or he can decide if it is necessary to visit the customer.

The CSM is a read only mode, therefore modifications in this mode are not possible.

How to enter

The CSM will be turned on after pressing the MUTE key on the remote control transmitter and any of the control buttons on the TV for at least 4 seconds simultaneously. This activation only works if there is no menu on the screen.

After switching 'on' the Customer Service Mode, the following screen will appear:

CSM Menu | CSM |

Figure: CSM Menu

Line 1:

HRS: Hexadecimal counter of operating hours. **Example**: 1B (hex)= 0001 1011 (bin)= 27 (dec.).

Standby hours are not counted as operating hours. **Note:** at each turn on, the counter will advance one hour.

SWID: Software identification of the main microcontroller (see paragraph 5.2.2).

Line 2:

Error code buffer (for more details see paragraph 5.3). Displays the last 7 errors of the error code buffer.

Line 3:

Option bit setting controls the software and hardware functionality. An option byte or option number represents 8 of those bits. Each option number is displayed as a decimal number between 0 and 255. The set may not work correctly when an incorrect option code is set. See chapter 8 for more information on correct option settings.

Line 4:

Not valid in this set. No message here.

Line 5:

Indicates that the set is not receiving an 'ident' signal on the selected source.

Note: On some models, BLUE MUTE is displayed (if the BLMU option is ON) when no signal is received.

In case there is no signal, 'NO SIGNAL' is displayed.

Line 6:

Indicates whether the SLEEPTIMER function is ON/OFF. This is displayed by 'TIMER ON.'

Line 7:

Indicates whether the CHILD LOCK function is ON/OFF. This is displayed by 'CHANNEL BLOCKED.'

Line 8:

Indicates whether the current channel is defined as SKIPPED or NON-PREFERRED.

Line 9:

Not valid.

Line 10:

Indicates which SOURCE is installed for this channel: AV1, CVI, AV2, AV4, or chosen 'off air' channel number.

Line 11:

Indicates which sound mode is installed for this channel: Mono, Stereo, or SAP.

Line 12 to 17:

Values indicate parameter levels of volume, balance, hue, color, brightness, and picture at CSM entry.

How to exit

The Customer Service Mode will switch off after pressing any (except channel + or channel - key) key of the RC transmitter (with the exception of the 'P+' and 'P-' keys) and switching off the TV set with the 'POWER' switch.

Problems and Solving Tips

Picture Problems

TV switches off or changes channel without any user action

The TV set switches off after 'TV SWITCHING OFF' was displayed. Auto standby switched the set off because:

- There was no signal identification signal for more than 15 minutes.
- There was no RC transmitter signal received or local key pressed for > 2 hours.

See chapter 8 for a description of the options to enable/disable auto standby (option SBNP).

Picture too dark or too bright

- Press the 'Smart Picture' button on the RC transmitter. In case the picture improves, increase/decrease the brightness value or increase/decrease the contrast value.
- After switching on the Customer Service Mode the picture is OK.
 Increase/decrease the brightness value or increase/decrease the contrast value.

White line around picture elements and text

- Press the 'Smart Picture' button on the RC transmitter. If the picture improves, decrease the sharpness value.
- After switching on the Customer Service Mode the picture is OK. Decrease the sharpness value.

Snowy picture

Check CSM line 5. If this line indicates 'NO SIGNAL', check the following:

- no or bad antenna signal; connect a proper antenna signal
- antenna not connected; connect the antenna
- no channel preset is stored at this program number; go to the 'INSTALL' menu
 and store a proper channel at this program number
- the tuner is faulty (in this case the 2: CODES line will contain number 13 (Main Tuner 'A') or 16 (DW Tuner 'B'); check the tuner and replace/repair if necessary

Snowy picture and/or unstable picture

A scrambled or decoded channel is received.

Black and white picture

- Press the 'Smart Picture' button on the RC transmitter. If the picture improves, increase the color value.
- After switching on the Customer Service Mode the picture is OK. Increase the color value.

Menu text not sharp enough

- Press the 'Smart Picture' button on the RC transmitter. If the picture improves, decrease the contrast value.
- After switching on the Customer Service Mode the picture is OK. Decrease the contrast value.

Sound Problems

- No sound or sound too loud (after channel change/switching on)
- After switching on the Customer Service Mode the volume is OK.
 Increase/decrease the volume level.

ComPair

Introduction

ComPair (Computer Aided Repair) is a service tool for Philips Consumer Electronics products. ComPair is a further development of the (European) DST (special RC transmitter for Service), which allows faster and more accurate diagnostics. ComPair has three big advantages:

- ComPair helps you to quickly get an understanding how to repair the EM1.1U in short time by guiding you systematically through the repair procedures.
- ComPair allows very detailed diagnostics (on I² C level) and is therefore capable
 of accurately indicating problem areas. You do not have to know anything about I
 ² C commands yourself because ComPair takes care of this.
- ComPair speeds up the repair time since it can automatically communicate with the chassis (when the microprocessor is working) and all repair information is directly available. When ComPair is installed together with the Force/ EM1.1U electronic manual, schematics and PWBs are only a mouse-click away.

Specifications

ComPair consists of a Windows based faultfinding program and an interface box between PC and the (defective) product. The ComPair interface box is connected to the PC via a serial or RS232 cable. In case of the EM1.1U chassis, the ComPair interface box and the TV communicate via a bi-directional service cable via the service connector at the rear side of the set (located at the left side of the rear cinch connectors, see also figure 1-2).

The ComPair faultfinding program is able to determine the problem of the defective television. ComPair can gather diagnostic information in two ways:

Automatic (by communication with the television):

ComPair can automatically read out the contents of the entire error buffer. Diagnosis is done on I² C level. ComPair can access the I² C bus of the television. ComPair can send and receive I² C commands to the micro controller of the television. In this way, it is possible for ComPair to communicate (read and write) to devices on the I² C busses of the TV-set.

Manually (by asking questions to you):

Automatic diagnosis is only possible if the micro controller of the television is working correctly and only to a certain extend. When this is not the case, ComPair will guide you through the faultfinding tree by asking you questions (e.g. Does the screen give a picture? Click on the correct answer: YES/NO) and showing you examples (e.g. Measure test-point I7 and click on the correct waveform you see on the oscilloscope). You can answer by clicking on a link (e.g. text or a waveform picture) that will bring you to the next step in the faultfinding process.

By a combination of automatic diagnostics and an interactive question/answer procedure, ComPair will enable you to find most problems in a fast and effective way.

Beside fault finding, ComPair provides some additional features like:

- Emulation of the (European) Dealer Service Tool (DST).
- If both ComPair and SearchMan / Force (Electronic Service Manual) are installed, all the schematics and the PWBs of the set are available by clicking on the appropriate hyperlink.

Example: Measure the DC-voltage on capacitor C2568 (Schematic/Panel) at the Monocarrier.

Click on the 'Panel' hyperlink to automatically show the PWB with a highlighted capacitor C2568.

Click on the 'Schematic' hyperlink to automatically show the position of the highlighted capacitor.

How to Connect

- 1. First install the ComPair Browser software (see the Quick Reference Card for installation instructions).
- 2. Connect the RS232 interface cable between a free serial (COM) port of your PC and the PC connector (marked with 'PC') of the ComPair interface.
- Connect the AC power adapter to the supply connector (marked with 'POWER 9V DC') on the ComPair interface.
- 4. Switch the ComPair interface OFF.
- 5. Switch the television set OFF (remove the AC power).
- 6. Connect the ComPair interface cable between the connector on the rear side of the ComPair interface (marked with 'I ² C') and the ComPair connector on the mono carrier (see figure 5-6).

- 7. Plug the AC power adapter in the AC power outlet and switch on the interface. The green and red LEDs light up together. The red LED extinguishes after approx. 1 second while the green LED remains lit.
- 8. Start ComPair and select 'File' menu, 'Open...' select 'EM1.1U Fault finding' and click 'OK'.
- 9. Click on the icon to switch 'ON' the communication mode (the red LED on the ComPair interface will light up).
- 10. Apply AC power to TV-set with the 'POWER' switch.
- 11. When the set is in STANDBY, click on 'Start-up in ComPair mode from standby' in the ComPair EM1.1U faultfinding tree, otherwise continue.

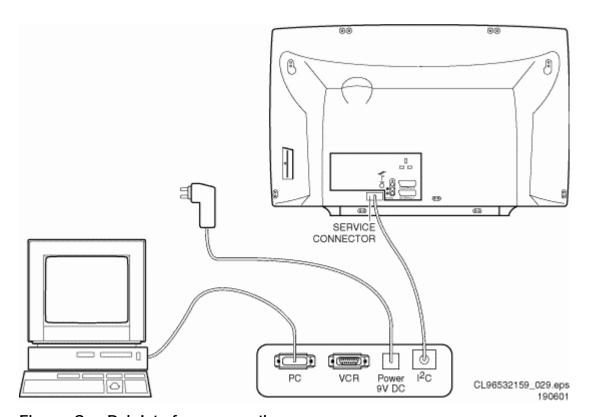


Figure: ComPair Interface connection

The set has now started up in ComPair mode. Follow the instruction in the EM1.1U faultfinding tree to diagnose the set. Note that the OSD works but that the actual user control is disabled.

Error Buffer

Introduction

The error code buffer contains all detected errors since the last time the buffer was erased. The buffer is written from left to right. When an error occurs that is not yet in the error code buffer, it is written at the left side and all other errors shift one position to the right.

How to Read the Error Buffer

Use one of the following methods:

- On screen via the SAM (only if you have a picture). Examples:
 - ERROR: 0 0 0 0 0 : No errors detected
 - ERROR: 6 0 0 0 0: Error code 6 is the last and only detected error
 - ERROR: 9 6 0 0 0: Error code 6 was first detected and error code 9 is
 the last detected (newest) error
- Via the blinking LED procedure (when you have no picture). See next paragraph.
- Via ComPair.

How to Clear the Error Buffer

The error code buffer is cleared in the following cases:

- By activation of the 'CLEAR ERRORS' command in the SAM menu.
- When you exit SDM/SAM with the 'STANDBY' command on the remote control (when leaving SDM/SAM, by disconnecting the set from AC power, the error buffer is not reset).
- When you transmit the command 'DIAGNOSE-99-OK' with ComPair.
- If the content of the error buffer has not changed for 50 hours, it resets automatically.

Error Codes

In case of non-intermittent faults, clear the error buffer before starting the repair. This is to ensure that 'old' error codes are not present.

If possible, check the entire content of the error buffer. In some situations, an error code is only the result of another error code (and not the actual cause). For example, a fault in the protection detection circuitry can also lead to a protection.

Table: Error Code Table

Error	Device	Description	Def. item	Diagram	
1	FBX 3V3 prot	FBX 3V3 protection	5703	B3	
2	No HFB	No Horizontal Flyback	3323	B4	
3	X-Ray protection	X-Ray protection	3310	B4	
4	5V protection	5V protection	1200/7651	A7/B6	
5	No HOP POR	Startup failure		B4	
6	General I2C bus error	General I2C bus error	1943	A7	
7	Mains Dip error	HW error			
8	3D comb prot	3D comb prot	Black box	C0/C1	
10	MC24C32	NVM communication error	7012	B7	
11	MC24C32	NVM identification error	7012	B7	
12	SAA5667	Main uP, int. RAM test failure	7001	B7	

Error	Device	Description	Def. item	Diagram	
13	TEDE9	Main Tuner	1200	A7	
14	MSP3415D	MSP34xx	7651	B6	
15	NA	NA	NA	NA	
16	TELE9	PIP Tuner	1900	L1	
17	M65669	Multi PIP IC	7803	L2	
18	TEA6425	PIPVideo Matrix IC	7910	L1	
30	TDA9320	HIP I/O video processing	7323	B2	
31	SAA4978	PICNIC	7709	B3	
32	TDA9330	HOP video control/geometry	7301	B4	
35	M62320	IO expander HD Jack	7106	N1	

Explanation of error codes:

Error 0

No errors

Error 1

This protection is activated when the PICNIC (pos. 7709 on diagram B3) cannot communicate via I² C for a certain time. This could mean that stabilizer 7009 or 7713 on SSB is defective (dependent of variant). When there is a short circuit to ground behind the stabilizer, 7009 or 7713 could become very hot. For safety reasons, the set will be switched to protection mode.

The HOP (pos. 7301 on diagram B4 detects the absence of an HFB pulse (pin 4 of connector 0324 on LSP, diagram A3)). A bit will be set in the HOP. After filtering by the software, the set will switch to protection mode.

Error 3

This protection is activated when the high-tension voltage of the set is too high. It is called X-ray protection. This protection is triggered by circuitry around 3475 on diagram A3.

Error 4

When the +5V protection is active, the set is switched to protection and error code 4 is placed in the error buffer. The LED will blink 4 times (repeatedly).

A 5V failure can cause a drop in the 5V supply output, resulting in an undefined behavior of the set. Therefore, some I² C devices (Tuner and MSP) connected to the 5V supply are constantly monitored. When none of these devices responds to the microcontroller for a prolonged time, the microcontroller assumes that there is a failure in the 5V supply.

By starting up (disconnecting/reconnecting the AC power cord) the set via grounding of the 'FRONT-DETECT' line (on the side I/O), the +5V protection will be overruled, and it will be easier to determine the cause. The +5V protection will be activated when these I ² C devices fail (no I ² C communication): Main Tuner (pos. 1200 on the LSP), MSP3452 sound processor (pos. 7651 on the SSB).

The following tips are useful to isolate the problem area, after overriding the +5V protection. Determine whether:

The MSP sound processor is loading the +5V; isolate 3650 and/or 4604 (see diagram B6).

The main Tuner is loading the +5V source; isolate coil 5200.

See startup flow chart (figure 5.7).

When POR bit is not communicated during startup, the processor will generate 'HOP POR not successful.'

Error 6

This will occur in the following cases:

- SCL or SDA is shorted to ground.
- SCL is shorted to SDA.
- SDA or SCL connection at the microcontroller is open.

Error 7

Flash detection: From the EHT info, via D6303 and T7303, a flash will stop the H-drive and line output stage immediately. The FLS bit in the status register of the HOP is set to 'high.' As the duration of a flash is very short, the FLS bit will be reset to 'low' again after the flash refresh, so via a slow start the set will be started again.

If this interrupt occurs 5 times within an interval of 10 seconds (indicating an AC power interruption), the set will go into protection and will generate error 7.

Also HW protections (bridge_prot (see diagram A3), non-Vertical Flyback (measured with circuitry 7641 on diagram A4)), lead via 'DEFL-prot' line to a 'Standby' situation, while the processor thinks the set is 'on.' Also here after retrying 5 times, error 7 will be generated.

Error 8

This protection is activated when the Comb filter circuitry (diagrams C0 and C1) cannot communicate via I² C for a certain time.

Non Volatile Memory (EEPROM - pos. 7012) does not respond to the microcontroller.

Error 11

During the last startup, the NVM and the microcontroller did not recognize each other (e.g., one of them was replaced or the NVM memory has been changed/adapted or lost), therefore the NVM was loaded with default values.

Error 12

Microprocessor (Painter - pos. 7001) internal RAM test failure.

Error 13

Tuner (pos. 1200) is corrupted, the I² C line to the tuner is low, or there is no supply voltage at pins 7, 4, and 5 of the tuner.

Error 14

Sound controller MSP34xx (pos. 7651) does not respond to the microcontroller.

Error 16

The Tuner (pos. 1900) on the PIP panel does not respond to the microcontroller.

Error 17

Multi PIP IC M65669 I² C communication failure (pos. 7803 on the PIP panel).

Error 18

I/O expander IC TEA6425 I ² C communication failure (pos. 7910 on the PIP panel).

Error 30

TDA 9320 HIP I/O video processing (pos. 7323 on the SSB).

SAA4978 PICNIC error (pos. 7709 on the SSB).

Error 32

TDA 9330 HOP video control/geometry error (pos. 7301 on the SSB).

Error 35

I/O expander IC M62320P I² C communication failure (pos. 7106 on the High Definition Jack panel).

Note: Error codes 1, 2, 4, and 8 are protection codes, and in this case supplies of some circuits will be switched off. Also in protection, the LED will blink the number of times equivalent to the most recent error code.

The 'Blinking LED' Procedure

Via this procedure, you can make the contents of the error buffer visible via the front LED. This is especially useful when there is no picture.

When the SDM is entered, the LED will blink the contents of the error buffer. Error codes = 10 are shown as follows:

- a long blink of 750ms (which is an indication of the decimal digit),
- a pause of 1.5s,
- n short blinks (n = 1 9),
- when all the error codes are displayed, the sequence finishes with a blink of 3s,
- the sequence starts again.

Example of error buffer: 12 9 6 0 0

After entering SDM:

1 long blink of 750ms followed by a pause of 1.5s,

2 short blinks followed by a pause of 3s,

9 short blinks followed by a pause of 3s,

6 short blinks followed by a pause of 3s,

1 long blink of 3s to finish the sequence,

• the sequence starts again.

Note: If errors 1, 2, 4 or 8 occur, the LED **always** gives the most recent error, even if the set is NOT in service mode.

Protections

General

The EM1.1U has only one microprocessor (Painter) which remains active during Standby. This is because power for the microprocessor and the memories comes from the 3V3 supply, which is derived from the 5V Standby circuitry. Therefore, in both Power on as in Standby mode the microprocessor is connected to this power supply.

If a fault situation is detected an error code will be generated and if necessary, the set will be put in the protection mode. The protection mode is indicated by blinking of the red LED (at a frequency of 3Hz). In some error cases, the microprocessor does not put the set in the protection mode. The error codes of the error buffer can be read via the service menu (SAM), the blinking LED procedure or via DST/ComPair.

To get a quick diagnosis the EM1.1U has 3 service modes implemented:

- The Customer Service Mode (CSM).
- The Service Default Mode (SDM). Startup of the set in a predefined way.
- The Service Alignment Mode (SAM). In this mode, items of the set can be adjusted via a menu and with the help of test patterns.

The 'Protection Diagram' shows the structure of the protection system. See diagram below.

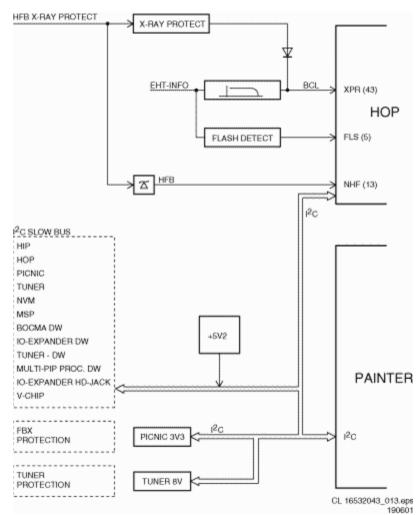


Figure: Protection diagram

There are several types of protections:

- I² C related protections (e.g., +5V supply check).
- HOP related protections (mainly for deflection items).
- Hardware errors which are not sensed by the Painter (e.g., BRIDGE_PROT)

I 2 C Related Protections

In normal operation some registers of the I² C controlled ICs will be refreshed every 200ms. During this sequence, the I² C busses and the I² C ICs as well will be checked. The I² C protection will take place if the SDA and SCL are short-circuited to ground or to each other. An I² C error can also occur if the power supply of the IC is missing (e.g., FBX_PROT: error 1).

HOP Related Protections

Every 200ms, the status register of the HOP is read by the Painter via I² C. If a protection signal is detected on one of the inputs of the HOP, the relevant error bit in the HOP register is set to 'high.' If the error bit is still 'high' after 1s, the Painter will store the error code in the error buffer (NVM) and, depending on the relevance of the error bit, the set will either go into the protection mode or not.

HFB: Horizontal Flyback.

If the horizontal flyback is not present, then this is detected via the HOP (HFB_X-RAY_PROT). One status bit is set to 'high.' The error code is stored in the error buffer and the set will go into the protection mode.

Flash detection.

From the EHT info, via D6303 and T7303, a flash will stop the H-drive and line output stage immediately. The FLS bit in the status register of the HOP is set to 'high.' As the duration of a flash is very short, the FLS bit will be reset to 'low' again after the flash refresh and via a slow start the set will be started again.

Hardware Related Protections

Due to the architecture (with 'hot' deflection) there are two protections that are 'unknown' to the microprocessor, namely the 'BRIDGE_PROT' (coming from the line stage) and the 'DEFL_PROT' protection (coming from the frame deflection stage). If one of these protections is triggered, the set is positioned in 'Standby' mode. The Painter will now try to restart the set. If this does not succeed after 5 times (after 30 - 60s.), the Painter will generate error 7 (this error can have several causes, such as repeating flashes, BRIDGE_PROT/Non VFB leading to DEFL_PROT or a serious AC power dip). A red LED will start blinking.

General and Repair Tips

General

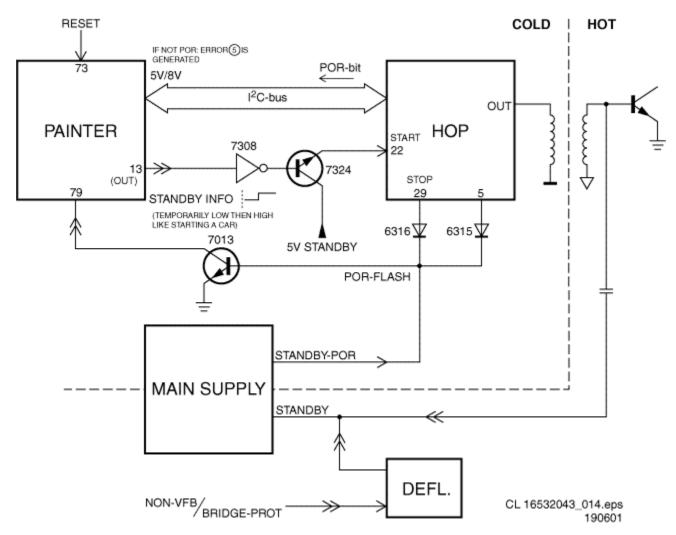


Figure: Start-up circuitry

The startup of the set is very different from other sets (see figure 5-7 and 5-8):

1. When the set is switched 'on', first the HOP is placed in 'low power startup' mode (HOP standby mode). This means that 5V (derived from the available Standby supply) is connected to pin 22 of the HOP IC.

- 2. Now the HOP is driving the line circuitry with 50kHz pulses. At the base of the line transistor this is sensed via the 'STANDBY' line.
- 3. This signal triggers the Main supply to operate. Now the line stage has 'BAT' voltage (141 V); it will also start.
- 4. After the 5V and 8V supply lines are sensed by the Painter (via I² C), it will read the POR bit from the HOP via the I² C bus.
- 5. Now the HOP is switched into 'on' mode and the set will start up further with normal drive (31.468kHz for NTSC).
- 6. The last step will be the unblanking of the picture.

Note: So standby is not controlled via a standby line from the microprocessor, but is achieved indirectly via the HOP circuitry.

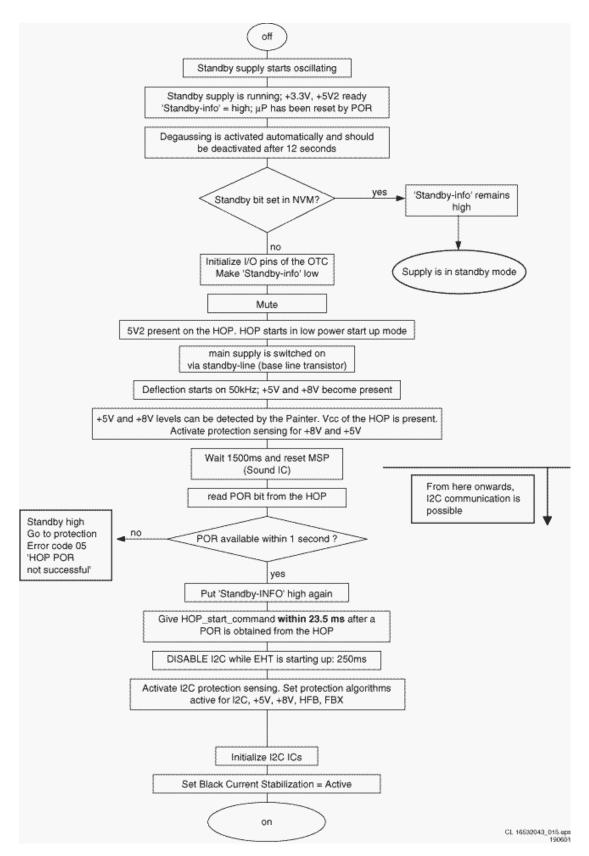


Figure: Start-up diagram

Notice that a very big part of the set (Large Signal Panel) is 'hot,' meaning the primary part of the Standby supply, the whole Main supply (except for the secondary Audio supply), and the complete deflection circuit.

So notice that the deflection-coil is hot.

This set is not equipped with an IR transmitting LED. Instead, a Service (ComPair) connector is implemented at the rear of the set, which is directly accessible (not necessary to remove the rear cover).

In addition to this, there is a blinking LED procedure to show the contents of the error buffer.

The relay you hear during switching 'on' (via the power switch) is from the degaussing circuitry. So it is not used for switching the supply as in the MG chassis.

When there is a menu on the screen, it is not possible to enter a service mode. So see to it that there is no menu on the screen when attempting to enter a service mode.

Main Power Supply

The simplest way to replace components of the Main supply is with repair kit: 3122 785 90340.

More detailed way:

- 1. Replace FET 7504 and zener 6505.
- 2. Remove SSB panel.
- 3. Short circuit BE of TS7529 in order to put supply in 'on' mode (TS7529 is blocking then).
- 4. Load capacitor C2515 (VBAT) with a 500 ohm power resistor (supply cannot work without a minimum load).

- Use a variac to slowly increase the AC power. Measure over sensing resistors R3514/15, to confirm a nice sawtooth voltage becomes available. Also measure the VBAT output.
- 6. VBAT may never exceed 141V. If so, there is something wrong in the feedback circuitry (e.g., regulator 7506).

Caution:

Be careful measuring the gate of FET 7504. Circuitry is very high impedance and can easily be damaged (first connect ground to measuring equipment, then measure the gate).

Do not try to measure on side of SSB directed to the hot heatsink. This is dangerous. Most relevant service test points are guided to the Tuner side and are pointed out by service printing. Where the circuitry was too crowded to place this service printing, it has been explained on the Test Point Overviews in this manual. It is also possible to use the SSB extension panel (part number: 9965 000 05769), so that all test points are easily accessible.

Standby Power Supply

The simplest way to replace components of the Standby supply is with repair kit: 3122 785 90350.

Horizontal Deflection

The simplest way to replace components of the Horizontal Deflection circuitry is with repair kit: 3122 785 90120.

Vertical Deflection

Caution: When you suspect the Vertical Deflection circuitry, please be careful. Because there is a DC voltage on the vertical deflection, the beam current can damage the CRT neck, leading to a defective CRT.

The best thing to do is:

- 1. Interrupt pin 3 of connector 0224 on the CRT panel (diagram F), in order to remove the 'filament' voltage from the tube (no beam current, so no chance of destroying the CRT).
- 2. Measure with a multimeter, or better with an oscilloscope, the functionality of the Frame stage.
- 3. After you have found the cause, exchange the defective component (e.g., TDA8177), and re-solder the interrupted pin 3.

Problem	Possible Cause	Repair Tip					
No picture, no LED	Standby Supply defective.	Measure circuitry (see diagram A2). Start at test point P16. Regardless of the mode of the set, this voltage should always be available.					
No picture, red LED, while expectation was the set should be 'on' (LED off). After some time LED will start blinking.	There is a protection (called defl-prot on diagram A4) (which is not 'seen' by the processor) that forces the set into protection (after 5 restart attempts)	Defl-prot can be triggered by: Non-VFB. Can be measured on F10 Bridge-prot (diagram A3) triggers circuitry around 7652/7641/7407 on diagram A4. (reason can be a short circuit of coil 5422 or excessive horizontal amplitude) Big mains interrupts measured via 141V (3645) on diagram A4. If after 5 restart attempts, set does not function adequately, error 7 will be generated.					
Set going into protection after 5 restarts (error 7), taking about 30 - 60s interrupted, or RGB amplifier IC7307 is defective.		The standby LED will blink at 3Hz (= protection). Measure 180V behind R3341 (diagr. F) while operating, or measure resistance of R3341 while set is off					
No picture, red LED Set is in protection due to various causes. For error codes see error code list.		You have no picture, so: Read out the error buffer via ComPair. (Simulate dealer remote and trigger blinking LED procedure via diagnose <x> <ok>. (x is error code position of the error buffer) When error is known, check circuitry related to supply voltage and 1²C - communication.</ok></x>					
No picture, red LED blinking (code 6, 6, 6)	No communication on I*C bus ('devices' bus) to processor. Set is in protection mode	Measure, dependent of the error, on the I'C bus which device is loading the bus. This protection can be overruled via SDM entry (via short circuiting 'FRONT DETECT' to GND on Side I/O, while switching on the set with mains cord disconnected/connected					
No picture, red LED blinking (code 10, 10, 10)	No communication on I ² C NVM bus to processor. Set is in protection mode	No contact of processor with the NVM. A lot of settings will therefore be wrong.					
No picture, no sound, set is making audible which can be heard via supply squeaking sound transformer squeaking		This could be caused by: - Short circuited V _{BAT} (caused by short circuited line transistor 7421) or - Short circuited sound winding (amplifier is short circuiting 28V) or - Short circuited D6514 (due to excessive V _{BAT}). Delete excessive load to see where failure is being caused or check feedback circu See main power supply repair tip (supply needs a minimal load).					
No picture, no sound, LED works fine	Supply does not work correctly	If, e.g., V _{BAT} is only about 90V, regulator IC 7506 could be damaged.					
No RC5 reception. Red LED does not echo RC commands	Processor circuitry or RC receiver is faulty.	If the set functions with local keyboard operation, the fault must be in the IR receiver circuitry (diagram J).					
Relay activation (degaussing) not audible when switch set 'on' from 'off'		Check RESET circuitry on diagram B5. When switching on the set all I/O pins of processor should become high for a moment. Degauss input signal must be activated for 12 seconds. (so controlled by processor)					
No sound, but picture	Measure P7 on diagram A1. Possible sound amplifier is defect (but not short circuited), or sound enable line is high (see diagram A5). Further the audio signal path must be measured (HIP, MSP, switch ICs, amplifier).	Measure and repair, With ComPair there is a beep-test that can determine where the signal stops (use loudspeakers, headphone).					
No sound at headphone	Discrete amplifiers or supply could	Measure A12, A13, A14, A15 and supply line on diagram A6.					
output Picture is rotated	be damaged. Rotation circuitry or supply could be	Measure test points F3, R1, R2 on diagram A4.					
No picture	damaged (if present). Check functionality and cabling of	Check cable 1946.					
Picture looks like cushion, further OK	Tuner to SSB. NVM content is overwritten or E/W MOSFET is short circuited	First, check in Service Alignment Mode whether geometry can be restored. If not, check test point L4 and diagram A3, or measure with an ohmmeter whether TS7480 is defective.					
Very white picture, with	180V is missing on CRT panel	Probably R3468 on LSP (diagram A3) is interrupted, or there is a bad connection					
flyback lines visible Picture out of focus Focus could be misaligned or SCAVEM circuitry does not work correctly		from plug 0324 to 0224 (CRT panel). Align focus potmeter of Line Transformer; check SCAVEM circuitry on CRT panel					
Loss of sync	Sync is derived in HIP IC from crystal 1318	Confirm the crystal is making good contact.					
Picture distorted Check video path, service default mode.		Investigate whether there is an error code in the error buffer. If there is an error code, check I ² C bus and/or supply lines (see overview of supply lines). Measure and check the signal path of the Tuner, HIP, DW panel, 3D comb filter circuitry, PICNIC, HOP, RGB amplifier. If it is a geometry issue, check Frame circuitry, alignments or possibly corrupted NVM (7012)					
No menu, OSD.	The processor is probably defective.	Measure test points C7, C8, C9, C10 on diagram B7.					
No DW/PIP	Bad connection, or malfunctioning DW panel	First check whether coax cable 1681 of SSB to 1948 of LSP is connected correctly. Without this connection, there is no picture					
Small magenta block at bottom of picture in 1080I mode	Blanking of set top box active in the middle of the picture	Delete 7110 or 7713 of HD jack panel CL 16532043_086.s					

Figure: Repair Tips

Alignments

Contents of this chapter:

- General Alignment Conditions
- Hardware Alignments
- Software Alignments and Settings

Note: The Service Default Mode (SDM) and Service Alignment Mode (SAM) are described in chapter 5. Menu navigation is done with the "CURSOR UP, DOWN, LEFT or RIGHT" keys of the remote control transmitter.

General Alignment Conditions

All electrical adjustments should be performed under the following conditions:

- AC voltage and frequency: 110V (± 10%); 60Hz (± 5%)
- Connect the set to AC power via an isolation transformer.
- Allow the set to warm up for approximately 20 minutes.
- Measure the voltages and waveforms in relation to the chassis ground (with the
 exception of the voltages on the primary side of the power supply). Never use the
 cooling fins/plates as ground.
- Test probe: Ri > 10M; Ci < 2.5pF.
- Use an isolated trimmer/screwdriver for the alignments.
- The following default settings are needed to start the alignment:
 - set color enhancement to NATURAL or MOVIE mode,
 - switch "off" dynamic contrast,
 - switch "off" active control,
 - set brightness to 42 and contrast (named picture) on 99,
 - external video pattern generator on system NTSC M, 61.25MHz (channel 3).

Hardware Alignments

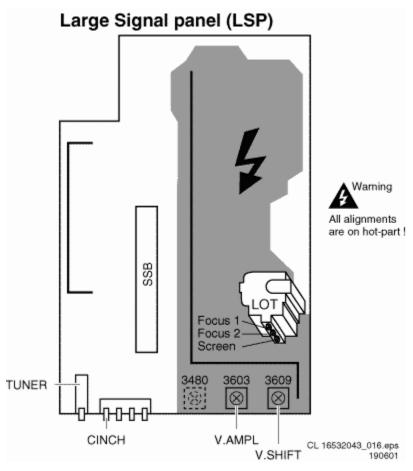


Figure: Large Signal panel (LSP)

Vg2 Adjustment

Method 1 (without oscilloscope)

- 1. Connect a video pattern generator to the set with a "black pattern" signal.
- 2. First, adjust the Vg2 potmeter to the middle of the adjustment range.
- 3. Adjust the Vg2 potmeter of LOT (item 5430) to obtain a normal picture (without visible flyback lines).

Method 2 (with oscilloscope)

- 1. Connect the RF output (channel 3) of the pattern generator to the antenna input of the TV. Test pattern is a "black pattern" (blank screen on CRT without any OSD info).
- 2. Set Normal Red, Normal Green and Normal Blue to 32.
- 3. Set contrast to 0 and brightness to a minimum (with OSD still visible).
- 4. Set the channel of the oscilloscope to 50V/div. and the time base to 0.2ms. Select "external triggering" on the vertical pulse (pin 1 of optocoupler 7610, located near connector 0325 to frame deflection coil).

Caution: be aware that the frame deflection is "hot" and CRT circuit is "cold".

- 1. Measure the black level pulse during the vertical flyback (1st full line after the frame blanking) at the R, G, and B cathodes of the CRT (pin 8, 6 and 11 of the CRT socket). Select the cathode with the highest VDC value for adjusting.
- 2. Adjust this gun with the Vg2 (SCREEN) potmeter of the LOT to 160V ± 2VDC for the 27 inch sets and to 165V ± 2VDC for the 32 inch sets.

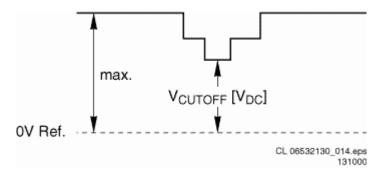


Figure: Waveform Vg2 alignment

Focus

- 1. Tune the set to a circle or crosshatch test pattern (use an external video pattern generator).
- Adjust the first Focus potmeter (upper LOT potmeter, see figure 8-1) until the horizontal and vertical lines at 1/4 from east and west, at the height of the centerline, are of minimum width without visible haze.
- 3. Adjust the second Focus potmeter (middle LOT potmeter, see figure 8-1) until the horizontal and vertical lines at 1/4 from north and south, at the height of the centerline, are of minimum width without visible haze.

PIP AGC adjustment

The Automatic Gain Correction adjustment prevents overdriving of the PIP-tuner if the aerial signal is too strong. Overdriving is visible as a loss of color and synchronization in the PIP picture. Amplification has to be adjusted to minimum level, but the PIP-picture should be as free of noise as possible.

Adjustment

- 1. Connect a pattern generator to the PIP tuner.
- 2. Select color bar without sound and apply a strong aerial signal of 4mV (72dB μ V) and set frequency for NTSC to 61.25MHz.
- 3. Connect an oscilloscope to the output of the PIP tuner (pin 11).
- 4. Adjust potentiometer R3942 so that the oscilloscope indicates 0.5Vpp.
- 5. If an aerial signal is not available, adjust R3942 to 30% of its total travel (100% is fully left).

PIP AFC adjustment

Set the pattern generator (e.g., PM5418) to a color bar video signal and connect the RF output to aerial input. Set amplitude to at least 1mV.

- 1. Connect a multimeter to the AFC output on pin 15 of IC 7914 (TDA9801).
- 2. Use potentiometer R3944 to adjust the AFC output to 2V6.

Software Alignments and Settings

General

With the software alignments of the Service Alignment Mode, the Geometry, White tone and Tuner (IF) can be aligned. Put the set in the SAM mode (see chapter 5). The SAM menu will now appear on the screen. Menu navigation is done with the 'CURSOR UP, DOWN, LEFT or RIGHT" keys of the RC transmitter.

Geometry

Introduction

The geometry alignment menu contains several items to align the set, in order to obtain correct picture geometry.

For all geometry alignments, use an external pattern generator with a geometry pattern (e.g., crosshatch).

See figure below for the correct alignments.

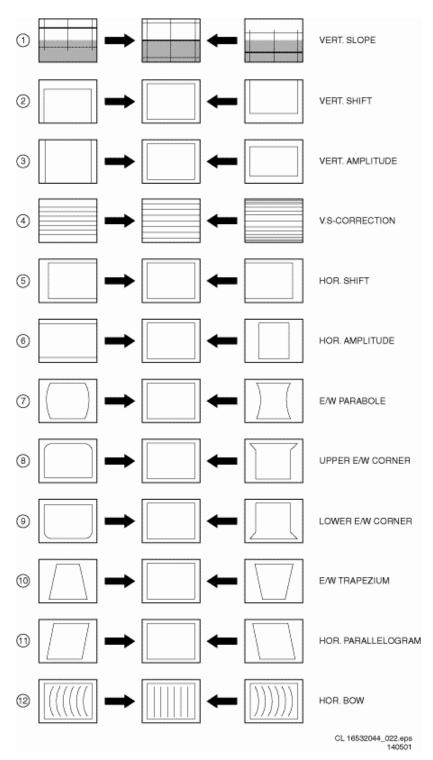


Figure: Geometry alignments

Alignments

- 1. Connect an external video pattern generator to the aerial input of the TV set with a crosshatch test pattern.
- 2. Use default settings as mentioned in paragraph 8.1.
- 3. Activate the SAM menu (see chapter 5).
- 4. Go to sub menu GEOMETRY. Now the following alignments can be performed:
 - Vertical slope (VER. SLOPE) Align the vertical center of the picture to the vertical center of the CRT. This is the first alignment to be performed of the vertical alignments. For an easy alignment set SERV.BLK to on.
 - **Service blanking (SERV. BLK)** Switch the blanking of the lower half of the screen on/off (to be used in combination with the vertical slope alignment).
 - Vertical amplitude alignment Align the vertical amplitude with potentiometer R3603 on the LSP (see Fig. 8-1) so that the complete test pattern is visible.
 - Vertical shift alignment. Align the vertical centering with potentiometer R3609 on the LSP (see Fig. 8-1) so that the test pattern is located vertically in the middle. Repeat the "vertical amplitude" alignment if necessary.
 - Horizontal shift (HOR. SHIFT) [*] Align the horizontal center of the picture to the horizontal center of the CRT.
 - Horizontal bow (HOR. BOW). Align straight horizontal lines in the top and the bottom, horizontal rotation around the center.
 - Horizontal parallelogram (HOR. PARALLEL) . Align straight vertical lines in the top and the bottom, vertical rotation around the center.
 - East West width (EW. WIDTH) [*] Align the picture width until the complete test pattern is visible (similar to Horizontal Amplitude).
 - East West parabola (EW. PARA) [*] Align straight vertical lines at the sides of the screen.

- East West Trapezium (EW. TRAP) Align straight vertical lines in the middle of the screen.
- East West Upper Corner (EW. UCORN) [*] Align straight vertical lines in the upper corners of the screen.
- East West Lower Corner (EW. LCORN) [*] Align straight vertical lines in the lower corners of the screen.

[*] **Note:** Perform these alignments also in 480p and 1080i mode (AV4). Use a 1080i pattern generator (e.g., Sencore VP300). When you leave the geometry menu, the values are stored.

Use a kind of crosshatch pattern, in which you can recognize a vertical line, which is placed on a horizontal amplitude of about 87% (as seen from the center of the CRT). This line is used as a reference, to adjust the overscan situation in 1080i and 480p mode on the edge of the phosphor.

Black cut off Alignment

You can adjust the values of the "black cut off" level in the WHITE TONE sub menu. The color temperature mode (NORMAL, DELTA COOL, and DELTA WARM) or the color (R, G, B) can be selected with the "UP/DOWN RIGHT/LEFT" cursor keys. Change the value with the "RIGHT/LEFT" cursor keys.

First, select the values for the NORMAL color temperature. Then select the (offset) values for the DELTA COOL and DELTA WARM mode. The alignment values are non-linear:

- +1 to +63 represent a positive offset (63 is the maximum positive offset).
- -63 to -1 represent a negative offset (-63 is the minimum negative offset).

Set the pattern generator (e.g., PM5418) to a white spot (chessboard) pattern and connect RF output with aerial input. Set amplitude to 1mV and use default settings as mentioned in paragraph 8.1.

Alignment procedure:

- 1. NORMAL settings
 - NORMAL RED = 32
 - NORMAL GREEN = 32
 - NORMAL BLUE =32
- 2. COOL settings
 - DELTA COOL RED = -4
 - DELTA COOL GREEN = 0
 - DELTA COOL BLUE = +10
- 3. WARM settings
 - DELTA WARM RED = +10
 - DELTA WARM GREEN = 0
 - DELTA WARM BLUE = -6
- 4. CUT OFF (default) settings
 - BLACK LEVEL R = 7
 - BLACK LEVEL G = 7
- Measure with a color analyzer (calibrated with the spectra) on the center of a white square on the screen. Adjust the values of BLACK LEVEL R and BLACK LEVEL G to get the right XY coordinates for Tint = Normal

Table: Xy coordinates

Tint	Temperature (deg. K)	X	Υ
Warm	6500	313	324
Normal	9300	285	293
Cool	12000	270	275

Note: When there is no color analyzer available, use the default settings mentioned above.

Peak-White Alignment

You can adjust the light output of the CRT in the WHITE TONE sub menu. In this case, a color analyzer is necessary.

- 1. Set the pattern generator to a pattern having a white (100 % video) area and connect RF output to aerial input. Set amplitude to 1mV.
- 2. Set the default settings as mentioned in the start of this chapter.
- 3. Measure with a color analyzer (calibrated with the spectra) on the center of the white square on the screen. Adjust the levels of NORMAL RED, NORMAL GREEN and NORMAL BLUE so that you retrieve a 390 cd light output for the 27 inch sets and 400 cd light output for the 32 inch sets.

Tuner (Large Signal Panel)

Note: Described alignments are only necessary when HIP or NVM is changed.

IF PLL OFFSET

Set the pattern generator (e.g., PM5418) to a color bar video signal and connect the RF output to aerial input. Set amplitude to at least 1mV.

Alignment procedure:

- 1. Choose a known good channel.
- 2. Enter SAM mode and select TUNER
- 3. Align the IF AFC parameter so that you come into the AFC window, meaning that the AFB value must be on the transient of going from 1 to 0 (see table below, which explains the best way of aligning).
- 4. After this alignment, store the value by returning to the former menu (via "MENU/SELECT" key).
- 5. Exit the SAM mode via the "Standby" button on the RC transmitter.

Table: IF PLL offset

AFA	AFB	IF PLL offset			
0	0	Decrease offset value			
0	1	Increase offset value			
1	0	Correct			
1	1	Correct			

AGC

Set the pattern generator (e.g., PM5418) to a color bar video signal and connect the RF output to aerial input. Set amplitude to at least 1mV.

Alignment procedure:

- 1. Enter SAM mode, select TUNER and activate the AGC line in the sub menu.
- 2. Connect a DC multimeter to pin 1 of the tuner (item 1200 on LSP).
- 3. Adjust the AGC until the voltage at pin 1 of the Tuner is just below 3.8V.
- 4. Increase/decrease the value by pressing the "CURSOR LEFT/RIGHT" button on the RC transmitter.
- 5. Store by pushing "MENU/SELECT".
- 6. Switch the set to "STANDBY".

2ND AGC

Set the pattern generator (e.g., PM5418) to a color bar video signal and connect the RF output to aerial input. Set amplitude to at least 1mV.

Alignment procedure:

- Enter SAM mode, select TUNER and activate the 2ND AGC line in the sub menu.
- 2. Connect a DC multimeter to pin 1 of the tuner (7201 on DW panel).
- 3. Adjust the 2ND AGC line until the voltage at pin 1 of the Tuner is just below 3.8V.
- 4. Increase/decrease the value by pressing the "CURSOR LEFT/RIGHT" button on the RC transmitter.
- 5. Store by pushing "MENU/SELECT".
- 6. Switch the set to "STANDBY".

Option Settings

Options are used to control the presence/absence of certain features and hardware. There are two ways to change the option settings (see also figure 8-6):

Changing a single option

An option can be selected with the "MENU UP/DOWN" keys and its setting can be changed with the "MENU LEFT/RIGHT" keys.

Changes in the option settings are saved by leaving the OPTION submenu. Some changes will only take effect after the set has been switched off by breaking the AC mains supply (cold start).

Changing multiple options by changing option byte values

Changing the option bytes directly makes it possible to set all options very fast. An option byte (OB1..8) can be selected with the "MENU UP/DOWN" keys and its setting can be changed with the "MENU LEFT/RIGHT" keys. An option byte represents a number of different options. All options of the N8 are controlled via 8 option bytes. Select the option byte (OB1..OB8) and key in the new value.

Changes in the option byte settings are saved by leaving the OPTION submenu. Some changes will only take effect after the set has been switched off by breaking the AC mains supply (cold start).

Option bits/bytes

An option byte value is calculated in the following way:

Value 'option bit 1' x 1 =

Value 'option bit 2' x 2 =

Value 'option bit 3' x 4 =

Value 'option bit 4' x 8 =

Value 'option bit 5' x 16 =

Value 'option bit 6' x 32 =

Value 'option bit 7' x 64 =

Value 'option bit 8' x 128 =

Total: value 'option byte' =

Table: Option code settings

Model Number	OB1	OB2	ОВ3	OB4	OB5	OB6	ОВ7	OB8
27PT830H37C	254	123	222	94	0	0	0	0
32PT740H37A	254	123	223	94	0	0	0	0
32PT830H37A	254	123	223	94	0	0	0	0
32PT842H37A	254	127	250	251	32	0	0	0
36PT842H37D	254	127	250	251	32	0	0	0

Software version used: 2U1. Below are the option definitions for both type numbers.

Table: Option overview for type number 842

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB1	1	IPIX	Incredible Picture	OFF = function disabled / ON= function enabled
OB1	2	CBFL	Comb filter	OFF = no comb filter on the SSB / ON = comb filter present on the SSB
OB1	3	AV3	External 3 (Side I/O)	OFF = side AV source not available / ON = available
OB1	4	SMCK	Smart clock	OFF = AUTOCHRON is not available / ON = available
OB1	5	E149	Picture setting for expand 14:9	OFF = not available in FORMAT menu / ON = available
OB1	6	C169	Picture setting for compress 16:9	OFF = not available in FORMAT menu / ON = available
OB1	7	CVI	External source selection for PiP	OFF = function disabled / ON= function enabled
OB1	8	SBNP	Auto standby with no picture	OFF = no switch to Stby / ON= switch to Stby after 10m when no ident
OB2	1	PIPF	PiP Functionality (excl. YPbPr decoding)	OFF = function disabled / ON= function enabled

OB2	2	PIPT	PiP Tuner	OFF = function disabled / ON= function enabled
OB2	3	PIPC	PiP Control (hue control)	OFF = function disabled / ON= function enabled
OB2	4	BLMU	BLue MUte	OFF = function disabled / ON= function enabled
OB2	5	SOSD	Smart OSD	OFF = full display of OSD not available / ON = available
OB2	6	PLST	Program LiST	OFF = access to command is ignored / ON = access is processed
OB2	7	VDBY	Virtual DolBY	OFF = Virtual Dolby not available / ON = Virtual Dolby is available
OB2	8	IPMU	Incredible Picture	OFF = INCR. PICT/CONSTRAST+ menu item is not available / ON = available
OB3	1	VCBK	VChip BlocK unrated	OFF = function disabled / ON= function enabled
OB3	2	SPKC	SPeaKer Control	OFF = function disabled / ON= function enabled
OB3	3	FUNN	Fine tUNiNg	OFF = function disabled / ON= function enabled
OB3	4	AAVL	Automatic Volume Level	OFF = menu item 'AVL' not available / ON = menu item available
OB3	5	TIME	TIMEr	OFF = function disabled / ON= function enabled

ОВ3	6	CCAP	Close Caption	OFF = function disabled / ON= function enabled
OB3	7	SURF	Surf	OFF = function disabled / ON= function enabled
OB3	8	VSLC	Vertical slicing	OFF = function disabled / ON= function enabled
OB4	1	PAGC	Picnic	OFF = function disabled / ON= function enabled
OB4	2	APC	Auto Picture Control	OFF = Time Window is set to 2s / ON = Time window is set to 5s
OB4	3	INCF	Selection color delay line	OFF = function disabled / ON= function enabled
OB4	4	AOUT	Audio OUT OFF = function disabled / ON= function enabled	
OB4	5	TMWIN	TiMe WINdow	OFF = Time Window is set to 2s / ON = Time window is set to 5s
OB4	6	ROTI	Picture ROTatlon	OFF = menu item 'ROTATION' not available / ON = available
	7	BNUM	Bar NUMeric items	OFF = function disabled / ON= function enabled
OB4	8	VBNR	Vchip Block No Rating	OFF = function disabled / ON= function enabled

OB5	1			N/A
OB5	2			N/A
OB5	3			N/A
OB5	4			N/A
OB5	5	LTI	Luminance Transient	OFF = function disabled
ОВО			Improvement	/ ON= function enabled
OB5	4	AKBL	AKB Line	OFF = function disabled
ОВЗ	U			/ ON= function enabled
OB5	7	CTSP	Centre SPeaker	OFF = function disabled
ОВЗ	,		Certife Si caker	/ ON= function enabled
OB5	Q	VSR	Vertical Scan	OFF = function disabled
ОВЗ	O	VJK	Reference	/ ON= function enabled
OB6	18	N/A	(RESERVED)	N/A
ОВ7	18	N/A	(RESERVED)	N/A
OB8	18	N/A	(RESERVED)	N/A

Table: Option overview for type number 830

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB1	1	IPIX	Incredible Picture	OFF = function disabled / ON= function enabled
OB1	2	CBFL	Comb filter	OFF = no comb filter on the SSB / ON = comb filter present on the SSB
OB1	3	AV3	External 3 (Side I/O)	OFF = side AV source not available / ON = available

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB1	4	SMCK	Smart clock	OFF = AUTOCHRON is not available / ON = available
OB1	5	E149	Picture setting for expand 14:9	OFF = not available in FORMAT menu / ON = available
OB1	6	C169	Picture setting for compress 16:9	OFF = not available in FORMAT menu / ON = available
OB1	7	CVI	External source selection for PiP	OFF = function disabled / ON= function enabled
OB1	8	SBNP	Auto standby with no picture	OFF = no switch to Stby / ON= switch to Stby after 10m when no ident
OB2	1	ССАР	Close Caption	OFF = function disabled / ON= function enabled
OB2	2	SURF	Surf	OFF = function disabled / ON= function enabled
OB2	3	VSLC	Vertical slicing	OFF = function disabled / ON= function enabled
OB2	4	BLMU	BLue MUte	OFF = function disabled / ON= function enabled
OB2	5	SOSD	Smart OSD	OFF = full display of OSD not available / ON = available
OB2	6	PLST	Program LiST	OFF = access to command is ignored / ON = access is processed

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB2	7	VDBY	Virtual DolBY	OFF = Virtual Dolby not available / ON = Virtual Dolby is available
OB2	8	IPMU	Incredible Picture	OFF = INCR. PICT/CONSTRAST+ menu item is not available / ON = available
OB3	1	ROTI	Picture ROTatlon	OFF = menu item 'ROTATION' not available / ON = available
OB3	2	BNUM	Bar NUMeric items	OFF = function disabled / ON= function enabled
OB3	3	VBNR	Vchip Block No Rating	OFF = function disabled / ON= function enabled
OB3	4	VCBK	VChip BlocK unrated	OFF = function disabled / ON= function enabled
OB3	5	SPKC	SPeaKer Control	OFF = function disabled / ON= function enabled
OB3	6	FUNN	Fine tUNiNg	OFF = function disabled / ON= function enabled
OB3	7	AAVL	Automatic Volume Level	OFF = menu item 'AVL' not available / ON = menu item available
OB3	8	TIME	TIMEr	OFF = function disabled / ON= function enabled
OB4	1			

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB4	2	AKBL	AKB Line	OFF = function disabled / ON= function enabled
OB4	3	VSR	Vertical Scan Reference	OFF = function disabled / ON= function enabled
OB4	4	PAGC	Picnic	OFF = function disabled / ON= function enabled
OB4	5	APC	Auto Picture Control	OFF = Time Window is set to 2s / ON = Time window is set to 5s
OB4	6	INCF	Selection color delay line	OFF = function disabled / ON= function enabled
OB4	7	AOUT	Audio OUT	OFF = function disabled / ON= function enabled
OB4	8	TMWIN	TiMe WINdow	OFF = Time Window is set to 2s / ON = Time window is set to 5s
OB5	18	N/A	(RESERVED)	N/A
OB6	18	N/A	(RESERVED)	N/A
ОВ7	18	N/A	(RESERVED)	N/A
OB8	18	N/A	(RESERVED)	N/A

Circuit Descriptions and Abbreviation List

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- 1. Introduction.
- 2. Block diagram.
- 3. Power Supply.
- 4. Control and Teletext.
- 5. Tuner and IF.
- 6. Video: HD Jack Interface (AV4, 1080i/480p).
- 7. Video: High-end Input Processor (HIP).
- 8. Video: Feature Box (FBX).
- 9. Video: High-end Output Processor (HOP).
- 10. Video: 3D-Comb filter.
- 11. Synchronization.
- 12. Horizontal Deflection.
- 13. Vertical Deflection.
- 14. Audio.
- 15. CRT and SCAVEM.
- 16. Double Window (DW).

Introduction

The EM1.1U is a lower specified EMG-chassis. The global name of the set is EM1U. EM stands for Eco-MG, 1 for the used processor (Painter) and U stands for USA. It is similar to N8 chassis. Therefore in this chapter if N8 is mentioned, it is also applicable for EM1.1U.

The user interface and micro controller are the same as used in the H8 set. In the N8 however, a HIP, PICNIC, and HOP are used for the '100 Hz' function i.s.o. the BOCMA in the H8.

The HIP and HOP have about the same functionality as the BOCMA.

This chip set however, sees to it that line frequency and YUV-signals are doubled (2 fh), while the vertical frequency stay 60 Hz (1fh). The set runs in progressive scan (an interlaced picture at 60 Hz, in stead of at 30 Hz in normal NTSC)

The PICNIC is used for video features like AutoTV and Freeze.

The architecture consists of a conventional Large Signal Panel (LSP) a Picture In Picture (PIP) and a Small Signal Board (SSB) module, placed into a so-called SIMM-connector (Standard Interface, 80 pins).

The LSP is built up very conventional, with hardly any surface mounted components on the copper side. Difference with the MG3.1U-chassis is that the N8 LSP has a very large 'hot' part, including the deflection coil.

The SSB is a high tech module (two sides reflow technology, full SMC) with very high component density and complete shielding for EMC-reasons. Despite this, it is designed in such a way, that repair on component level will be possible. To achieve this, attention has been paid to:

- the position of service test lands (tuner side),
- · accessibility (tuner side),
- clearance around surface mounted ICs (for replacing),
- diagnostics and fault finding via ComPair.

Warning: Be aware that half of the LSP-circuitry is 'hot', including the deflection coils.

Note: The start-up behavior of the N8 is different than that of the MG-chassis, meaning that the 'Supply ON/Deflection OFF' situation does not exist. This means that isolating failures in the N8 must be done in a different way. See Chapter 5 of this manual. For a good understanding of the following circuit descriptions, please use the Block Diagram LSP Supply and Deflection, Block Diagram Video + PIP, Block Diagram Video no PIP, Block Diagram Audio, I2C Overview, Supply Lines Overview and Test points Overview (LSP, SSB and CRT Panel) and Wiring Diagram. Where necessary, you will find a separate drawing for clarification.

Block Diagram

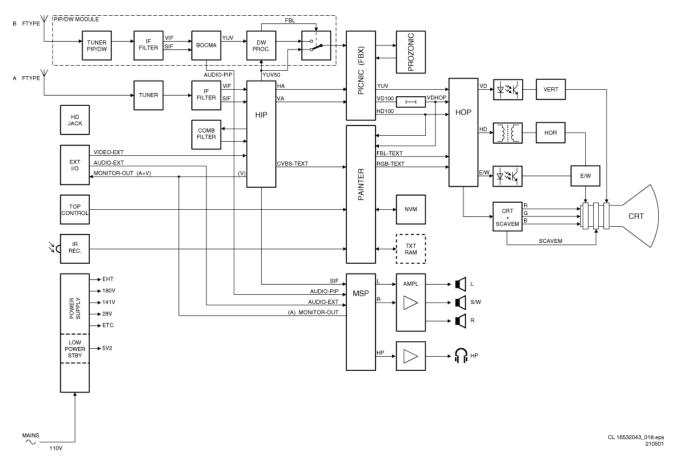


Figure: Block diagram

The tuner type is a PLL tuner and delivers the IF-signal, via audio and video SAW-filters, to the HIP (High-end Input Processor). The HIP has the following functions:

- IF modulation.
- Video source and record select.
- Color decoder.
- Synchronization.

Five video in/output connections (with audio connections) are available:

- 1. Front: interfaces CVBS
- 2. AV1: interfaces CVBS and YUV-input (1fH)
- 3. AV2: interfaces CVBS and Y/C (meant for VCR-connection)
- 4. AV4: interfaces YPbPr/RGB (HD) inputs (2fH).
- 5. Monitor out: interfaces CVBS out

The HIP delivers the signal to the PICNIC.

This IC takes care of:

- Analogue to Digital conversion and vice versa.
- 60 Hz interlaced to 60 Hz progressive scan conversion.
- Panorama mode.
- Noise reduction.
- Dynamic contrast.

For Digital Scan the PROZONIC is required, which can be connected to the PICNIC.

After the PICNIC the (now 100 Hz) YUV- and H/V-signals are fed to the HOP (High-end Output Processor). This IC handles the video control and geometry part. The RGB-

signals from CC/OSD are also inserted via the HOP. The video part delivers the RGB signals to the CRT-panel and the geometry part delivers the H-drive, V-drive, and a drive-signal for rotation (as a variable DC-level on the V-drive signal).

Both deflection circuits are 'hot' and located on the LSP and are driven by the HOP. To make the galvanic separation, the line drive is driven via transformer 5410 and the frame drive via optocoupler 7610. The horizontal output stage generates some supply voltages, the EHT-, focus- and Vg2-voltages.

The RGB amplifiers on the CRT-panel are integrated in one IC and are supplied with 180V from the LOT.

The SCAVEM circuit modulates transitions of the Luminance (Y) signal on the horizontal deflection current, giving a sharper picture.

The sound part is built around the MSP345X (Multichannel Sound Processor) for IF sound detection, sound control and source selection. Amplification is done via an integrated power amplifier IC, the TDA2616.

The microprocessor, called Painter (OSD, Closed Captioning, and Control) takes care of the analogue CC input- and output processing. The Painter processor and SRAM are supplied with 3.3 V, which is derived from the +5VSTANDBY.

The NVM (Non Volatile Memory) is used to store the settings; the Painter is an OTP (One Time Programmable) chip with programmed ROM-code.

In the N8 there is a separate Standby Supply in order to reduce the Standby power consumption. During Standby, the Main Supply is switched off (via TS7529). A relay is used to switch the Degaussing circuit.

The Main Supply, a SOPS supply based on the 'down-converter' principle, generates the 141 V (VBAT) and the 28 V for the audio part.

The difference between this and former MG-sets is that VBAT is not mains isolated ('hot') and is alignment free.

Power Supply (Diagram A1 and A2)

General

The power supply has a number of main functions. These functions are dealt with in succession:

- Mains filter
- Voltage doubling circuitry
- Degaussing picture tube
- Standby power supply
- Main supply

Mains Filter (Diagram A1)

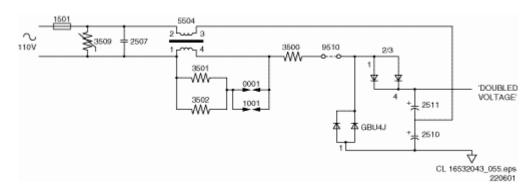


Figure: Mains Filter

The mains filter has two functions: it prevents high-frequency signals to be transferred into the mains and it protects the set from lightning damage.

C2507 prevents the high-frequency signals, generated by the set, to be conveyed into the mains by short-circuiting them.

In the case of a lightning surge between the two phases (differential mode), the energy is immediately bled away through the VDR (R3509) to the other phase.

In case of a lightning surge on both phases of the mains in relation to the aerial earth, the mains filter acts as a high resistance (UEMK=L * dl/dt) as a result of which the voltage across coil L5504 increases. A spark gap (0001/1001) prevents the voltage from increasing too much, which would lead to a damaged coil. When ignited, the current will be discharged via this spark gap.

The two networks using R3503//0002 and R3502//0003 are also used for lightning protection. They lead the energy of a common-mode lightning surge from the 'cold' to the 'hot' side in case of insertion on the aerial or from the 'hot' to the 'cold' side in case of insertion via the mains-input.

Resistor R3500 is used for limiting the inrush-current.

Voltage Doubling Circuitry (Diagram A1)

Via diode bridge cell 6513 and capacitors 2510 and 2511, the AC power voltage is rectified two times. The sum of voltages over 2510 and 2511 is supplied to the main-supply circuitry.

Degaussing (Diagram A1)

After switching 'ON' the set with the 'POWER ON'-switch, the DEGAUSS_INPUT signal from the processor (Painter) will be made high, transistor 7528 will conduct and relay 1002 will be activated. Initially a considerable current will flow, via PTC 3532, through the degaussing coil. The PTC will heat up, resistance will rise, and the current will decay rapidly. The Painter will switch off the relay after 12 seconds.

Standby Power Supply (Diagram A2)

This power supply is of a SOPS type (Self-Oscillating Power Supply) and is regulated by the controlled switching of an oscillator. It uses the so-called 'Flyback' principle:

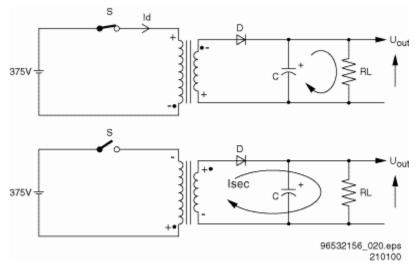


Figure: Flyback principle

- After closing switch 'S', the current ID will increase linearly in time. The magnetic
 energy in the primary coil is directly proportional with the self-inductance of the
 coil and current ID (thus with time the switch is closed). The voltage polarity at
 the secondary winding is negative (due to different winding direction), meaning
 that diode D will block. Capacitor C will discharge via RL, and UOUT will
 decrease.
- Opening switch 'S' will generate a counter-e.m.f. in the primary winding, trying to maintain current ID. Through this, the polarity of the secondary voltage will invert. The magnetic energy, stored in the coil, will now be transformed to the secondary side. Diode D will now conduct, capacitor C will be charged and UOUT will increase.

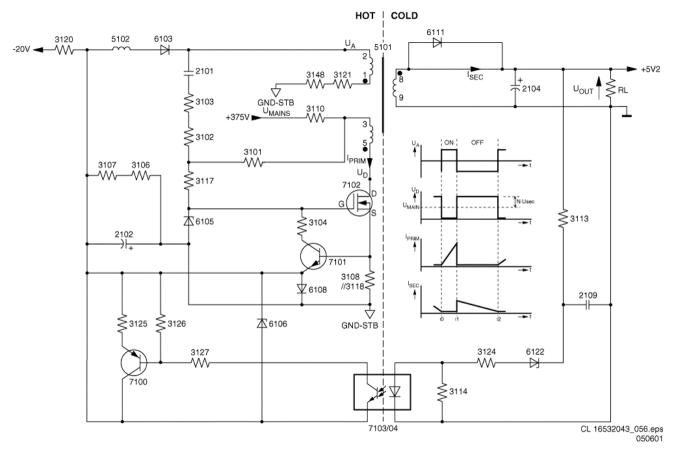


Figure: Standby supply circuitry

To apply this on the N8 (diagram A2): replace switch 'S' by FET TS7102, coil L by L5101, diode D by D6111 and C by C2104.

Time interval t0 - t1:

After switching the set on, the gate of MOSFET TS7102 will be high (max. 15V due to zener diode D6105). This will drive the FET into saturation (UDS = 0V). The DC-voltage UMAINS will be transposed across the primary winding of L5101 (Pins 3 & 5) resulting in a linearly increasing current through this coil.

The voltage across the co-coupled coil (Pins 1 & 2) is also positive and will keep the FET into conductivity via C2101, R3103, R3105, R3102 and R3117 for some time. The slope of the primary current is determined by the self-induction of the coil and on the magnitude of the supply voltage (+375 V).

The maximum current is determined by the time the FET stays into conductance (t0 - t1). This time is directly determined by the voltage across R3108//R3118. This voltage is a measure of the current and if it exceeds 1.4 V, TS7101 will be driven into conductivity and consequently connect the gate of TS7102 to ground; the FET will block. The voltage across the secondary winding (Pins 8 & 9) will be negative, diode D6111 will block.

Time interval t1 - t2:

The sudden current interruption in the primary coil will induce a counter-e.m.f. trying to maintain the current. The voltage on the drain of the FET will increase. The secondary voltage (8, 9) will become positive and will charge C2104 via D6111. All energy that was stored in L5101 during t0 - t1 will be transferred into the load. Due to the transformer principle, a voltage will now be induced in the primary winding (3, 5) and the co-coupled winding (1, 2). This voltage will be: N * USEC (N = winding ratio).

The voltage across the co-coupled coil will be negative, keeping the FET blocked.

Time t2:

At t2, the current through the secondary coil will be reduced to zero, as C2104 is no longer charged. Therefore, the voltages will decay and will change polarity. The gate of the FET will be again made positive, is driven into conductivity and the cycle starts again.

Feedback, stabilization:

The Standby Power Supply always oscillates at maximum power; the only limiting factor is the maximum primary current that has been pre-set with R3108//3118//R3119 UOUT is determined by R3114, R3124, and zener diode D6122. If the voltage across R3114 exceeds the threshold voltage of the diode of the optocoupler 7104 (±1 V) or, in other words, UOUT exceeds 5.2 V the transistor of the optocoupler will conduct.

Transistor TS7100 will be driven and a negative voltage will be transposed to the emitter of TS7101. When TS7101 conducts, the gate of the FET is at earth potential, forcing the oscillator to stop. Due to the load, the secondary voltage UOUT will decrease. At a certain voltage, optocoupler TS7104 will block and the oscillator will start again.

Since there are no capacitors and there is a high amplification-factor in the feedback circuit, the feedback is ultra-fast. This is why the ripple on UOUT is minimal. The negative supply voltage (-20 V) used in the feedback circuit originates from the co-coupling coil and is rectified through D6103.

Stabilization is not effected through duty-cycle control but through burst-mode of TS7100.

Burst-mode is load dependent. If the power supply is less loaded, the secondary voltage will have the tendency to increase more rapidly. If the load on the power supply increases, then the oscillator stops less often, right up to the moment that the oscillator is operating continuously: maximum load. If the power supply is now loaded even more, the output voltage will decay. The maximum load is determined by the maximum primary current set by R3108//3118//3119.

Protection:

If the optocoupler would fail, the secondary voltage will increase. This would have disastrous consequences since many ICs (e.g. Painter, flash-RAM, DRAM) are fed with this 5.2 V. In other words; very expensive repairs would be required.

We already know that the negative supply is directly dependent upon the secondary 5.2 V because of which the negative supply will increase proportionally as the secondary voltage increases.

If the negative supply in the mean time reaches -30 V, D6106 will start to zener and therefore TS7101 will start conducting. D6106 will take over the stabilization task of the optocoupler, however, with a considerable spread: from -20V to -30V is a 50% increase, thus UOUT will increase from 5.2V to max. 7.5V.

Main Supply (Diagram A1)

Some important notes on beforehand:

- VBAT is not isolated from the main supply ('hot').
- VBAT is alignment free.

The Main Power Supply generates the 141 V (VBAT) and the 28 V for the audio part, and is based on the so-called 'down converter' principle.

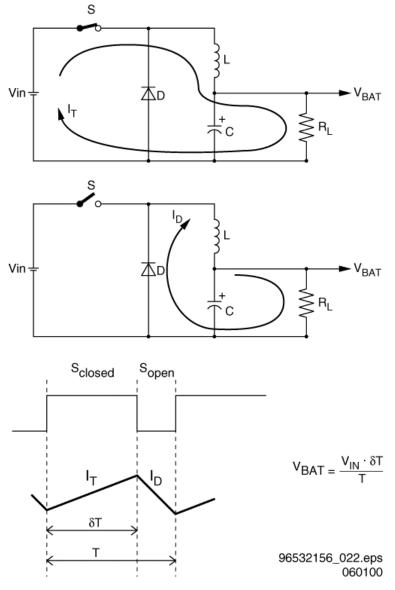


Figure: Down-converter principle

- After closing switch 'S', the linear in time increasing current IT, , will charge capacitor C.
- Opening switch 'S' will generate a counter-e.m.f. in coil L, trying to maintain current IT. This is possible via diode D (this diode is also called 'freewheel diode'). So after opening 'S', the magnetic energy stored in coil L will be transferred to electrostatic energy in capacitor C. The VIN will only supply current during the time that 'S' is closed while a constant current is flowing through RL.
- VBAT is directly proportional with VIN and the time that 'S' is closed and reverse
 proportional with period time 'T'. Therefore, by changing the duty cycle, it will be
 possible to control VBAT.

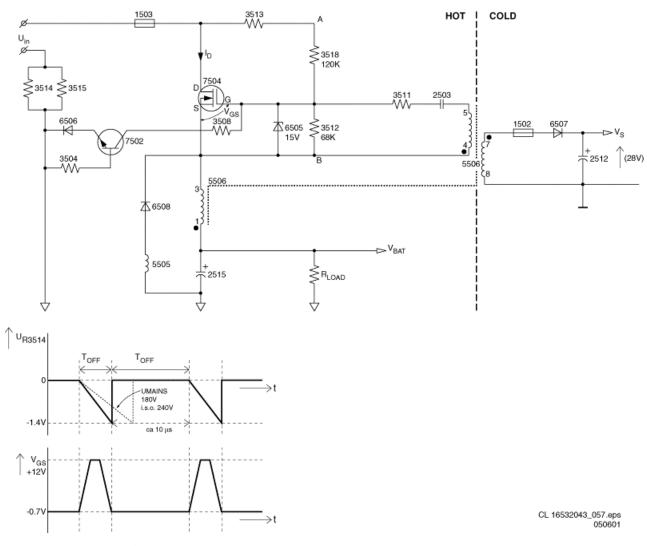


Figure: Main supply circuitry

At start-up of the main supply, C2515 can be assumed as being a short-circuit. UAB will be 15 V (R3513, D6510) and UGS of the FET will be +5.4 V (voltage division over R3512 and R3518). The FET will be driven into saturation (same as closing switch 'S'). The drain-current will increase linear in time. With other words: resistors R3513 and R3518 will start the oscillator.

The voltage across the co-coupled coil (4, 5) is also positive and will keep the FET into conductivity.

The drain-current will also flow through R3514//R3515. The voltage on the base of TS7502 will be +0.8 V due to the stabilization circuit (which is explained further). At increasing current, the emitter-voltage of TS7502 will get more negative. When this voltage reaches -0.7 V, TS7502 will be driven into conductivity and consequently connect the gate of TS7504 to earth; the FET will block (same as opening switch 'S'). The maximum drain-current is 0.7 V/ (R3514//R3515)= 1.6 A.

The voltage polarities on L5506 will invert, keeping the gate of TS7504 negative via the co-coupled coil (4, 5). The voltage on the secondary winding of L5506 (7, 8) will be positive, generating the +28 V audio supply voltage via D6507 and C2512.

The sudden current interruption in the primary coil will induce a counter-e.m.f. that wants to maintain the current via the 'freewheel' diode D6508. This current is linear decreasing in time and as it is also flowing through R3414//R3415, TS7502 will be blocked after a certain period. The gate of the FET will be again made positive, is driven into conductivity and the cycle starts again.

Stabilization of VBAT:

The output voltage VBAT will be determined by: VBAT = VIN * TON/(TON + TOFF) = VIN * duty-cycle.

To stabilize the output voltage, a feedback loop is implemented, which will reduce TON when VBAT increases and vice versa.

Via a voltage divider, existing of (1 %) resistors R3507, R3510 and R3527, a voltage of 2.5 V (when VBAT = 141 V) is fed to the input of precision shunt regulator 7506. This regulator will conduct, a current will flow through R3524, and TS7505 will be driven into conductivity. The base of TS7502 will now be set at a certain positive voltage. As this transistor switches the FET TS7504 on and off, this circuit can determine the duty-cycle.

E.g. when the load increases, VBAT will decrease. Consequently, the input-voltage of regulator 7506 will decrease, resulting in a lower current. Through that, the emitter-base voltage of TS7505 will diminish.

The current through R3504 will decline, changing the base-voltage of TS7502 and through that the TON (will increase) of the FET. The output voltage VBAT will rise. If the load continues to increase, the regulator will block at a certain moment, the collector-current of TS7505 will now be zero. If no current flows through R3504, TON will now be maximum (IMAX = 1.6 A). This is the point where VBAT will be below 141 V, and at further increasing load will be switched off (The voltage across the co-coupled coil (4, 5) will decrease due to the increasing load. Therefore, the voltage on the gate of TS7504 comes below the threshold voltage. The supply switches off and an audible hiccupping can be heard).

On the other hand when the load decreases, VBAT will rise. Consequently, the input-voltage of 7506 will also rise resulting in a higher current. The current through R3504 will rise, changing the base-voltage of TS7502 and through that the TON (will decrease) of the FET. The output voltage VBAT will be reduced.

If, for instance, VIN will decrease (e.g. UMAINS is 180 V i.s.o. 240 V), the slope of the drain-current will be flattened, through which the FET will be longer into conductance, keeping VOUT constant.

If, for any reason, the stabilization circuit fails, the output voltage VBAT can never exceed 200 V (via D6514). D6514 will form a short-circuit, VBAT will drop and the set will switch off (this will result in an audible hiccupping of the supply).

Set to 'POWER OFF' (via RC):

When the set is switched to 'POWER OFF' via the Remote Control, the Main supply will be switched off.

This is done by the circuit around TS7529 (see diagram A1):

During 'ON'-state the Main supply is fed with line pulses via the STANDBY-line. They are rectified and smoothed via D6517, D6516, and C2530 and fed to TS7529. Because they are less than -20 V, this transistor will be blocked.

When these pulses are stopped (via command micro controller to HOP), TS7529 will be saturated and TS7502 will be switched off. This will switch off the Main supply.

Set to 'POWER ON' (via 'POWER' button of set):

When the set is switched 'ON', the HOP is not working (as much as possible ICs are made voltage-less during Standby mode. Therefore, it is impossible that the STANDBY-line carries line-pulses, so the main supply cannot start up. This problem is solved via the 'low power start-up' possibility of the HOP.

Via pin 22, the HOP receives, via the STANDBY_INFO line from the Painter, a voltage of 5.2V coming from the Standby supply. The result will be that the HOP will generate pulses with a nominal TOFF and TON growing from 0 to 30% of the nominal value. This signal is unchanged until the Main supply is switched 'ON' and the HOP the correct I2C-command POR-bit) has received.

Guarding circuit:

The 11V of the line-stage is monitored.

The +28V winding (pin 6) of supply-transformer 5506 is monitored. (These pulses, when switching off the set, exist longer than the 11V-level)

When switching off the set by the 'POWER'-switch, the 11V will decrease and will generate a positive STAND-BY (POR) pulse.

At that moment the RGB-outputs will be driven such that the EHT-capacitor is heavily loaded in order to have a nice switch off spot. Therefore, when the set is 'on', T7510 is always conducting.

The switch off spot is nicer then without extra sensing of +28 V winding.

The STAND-BY (POR) signal drives via R3545 a positive pulse back to the Painter-processor. The Painter will switch off the Main Supply via the HOP IC. It will put the HOP in HOP-standby, stopping the drive pulses. The main supply will be switched off. (See diagram B4)

SSB

There are three voltages used for the SSB: +8 V, +5.2 V and +5 V.

+5.2 V is the Standby voltage; it should always be present. The 8V is derived from the 11D V with stabilizer 7906 (on LSP). This 11D voltage is only present when the line-drive pulses start the deflection.

The 8V is used to switch the +5.2 V with transistor 7905 to supply the +5 V.

Control and Closed Captioning (diagram B7)

Painter

The SAA5677/M1 (IC7001) is called the Painter (OSD, CC and Control). In this IC, the microprocessor and the Closed Captioning-decoder are integrated.

Some of its functions are:

- Set control.
- CC/OSD acquisition.
- RGB-outputs to the HOP
- I/O-ports for I2C, RC5, LED, and service modes.
- Error code generation.

The software for N8 can be 192kB.

The Non Volatile Memory IC7011 is a 4kB version M24C32.

All ICs in this part are supplied with 3V3. For this voltage, a 3V3 stabilizer is used (IC7005).

When the 3.3 V is available, a POR is generated with TS7003/7004 to wake up the Painter. During the reset, all I/O pins are high. When a POR is generated, the TV-set is in Standby mode.

The HS-signal derived of HFB and VS-signal derived of Vsync are fed to the Painter for stable OSD and CC.

Closed Captioning

The painter deals with CC-decoding. The Painter gets its video signal directly on pin 31 (from the HIP).

The RGB-outputs are available on pins 46/47/48. Fast blanking is realized via pen 52.

12C

In the N8-chassis with Painter-processor there are two I2C-busses used:

- Slow (max. 100 kHz) hardware I2C-bus (called I2C1) used for all IC communication.
- Separate short bus (called I2C 3) for the Non Volatile Memory (NVM) to avoid data corruption.

NVM

The Non Volatile Memory contains all set related data that must be kept permanently, such as:

- Software identification.
- Operational hours.
- Error-codes.
- Option codes.
- All factory alignments.
- Last Status items for the customer + a complete factory recall.

Tuner and IF (Diagram A7 and B2)

The tuner is I2C-controlled and is capable of receiving off-air and cable channels: The tuning is done via I2C. The reference voltage on pin 9 is 33 V. This voltage is derived from the 180 V (from the LOT) via two resistors of 2.2k ohm (diagram F). The Painter together with the HIP controls the tuning procedure.

The IF-filter is integrated in a SAW (Surface Acoustic Wave) filter. Two SAW filters are used: One for filtering picture-IF and one for filtering sound-IF.

The output of the tuner is controlled via an IF-amplifier with AGC-control. This is a voltage feedback from pin 62 of the HIP to pin 1 of the tuner. AGC take-over point is adjusted via the service alignment mode 'Tuner AGC'. Too much noise in the picture could be caused from an incorrect AGC setting. There could also be a misalignment of the AGC-setting if the picture deforms with perfect signal. The IF-amplifier amplifies too much.

The video IF-signal is fed to pins 2 and 3 of the PLL-controlled IF-demodulator. The voltage controlled oscillator of the PLL is adjusted via the service menu 'IF PLL'. The external coil L5408 connected between pins 7 and 8 is used as reference. The demodulated IF-video signal is available at pin 10 of the HIP.

On pin 10 the CVBS-signal becomes available, via TS7321 the signal is supplied the PIP-module.

Via the PIP-module, it comes back.

In this video signal, the sound carrier part is filtered by the sound trap 1407. Via TS7322 the signal goes back into the HIP (pin 14) to the I/O selection.

To realize quasi split sound, the IF-signal is fed to the HIP on pin 63 and 64 via SAW-filter 1408. The FM-modulated signal is available on emitter of 7410 and is fed to the audio demodulator MSP345x.

Video: HD Jack Interface (Diagram N)

The Jack High Definition module covers the following functions:

- 1. RGB output selection.
- 2. Matrix circuit to convert YPbPr to RGB.
- 3. Sync slicer for YPbPr sync on Y, RGB sync on Green.
- 4. Sync selection.
- 5. Control Function.
- 6. Audio feed-through of signal source.

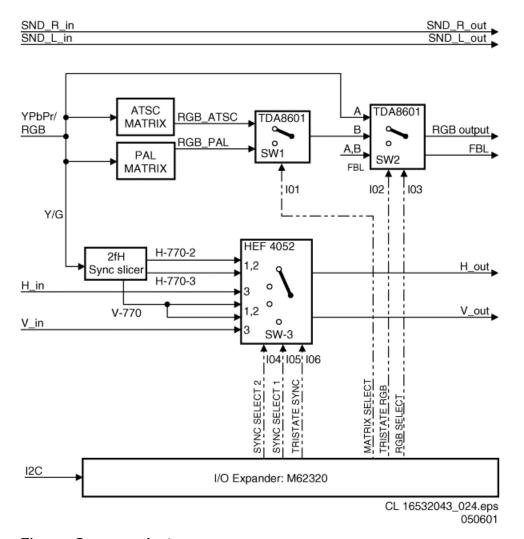


Figure: Source select

RGB Output Selection

The module has two video inputs and one RGB output (going into the set.)

The inputs can also handle 1080i-signals and 480p-signals (both in RGB format and YPbPr format.)

(This selection circuitry is also needed to cope with the various formats of the non-standardized HD set top box business.)

Video-input (3 cinches, reference number 1993-A-B-C):

- YPbPr with sync on Y.
- RGB with sync on green (note: cinch-inputs are normally used for YPbPr input.)

Video-input (D-sub, reference number 1990):

- YPbPr with sync on Y (note: D-sub input is normally used for RGB-inputs only.)
- RGB with sync on Green.
- RGB with separate H and V Sync (called VGA in 480p.)

RGB output:

This RGB output of the board is signaled into the set (HOP-section of SSB [B4].)

Matrix

The YPbPr-signal format is converted to RGB via the matrix function. In 480p-format, the PAL matrix is used, otherwise the ATSC matrix is used.

The matrix choice is made with TDA8601 (SW1, 7107.)

This switch is controlled via the command IO-1 (called MATRIX SELECT in the figure.)

Sync Slicer

The sync slicer extracts the horizontal and vertical synchronization signals for the HOP (in the set):

- From the 3-level sync pulses Y of the 1080i YPbPr
- From the 3-level sync pulses Green of the 1080i RGB
- From the normal sync pulses of the 480p signal

Explanation of 3-level sync shown in picture:

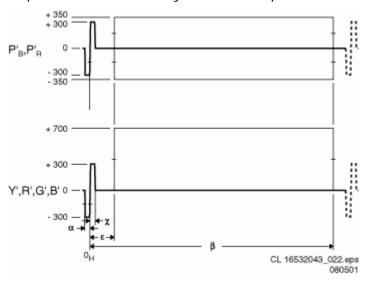


Figure: 3 level sync

Example of a 2-level sync pulse: CVBS-signal with two levels of sync (-300 mV, 0 mV) Example of a 3-level sync pulse: ATSC-signal with three levels of sync (-300 mV, 0 mV, +300 mV)

The amplitudes of the Y, R, G, B signals are 700mV; amplitudes of the Pb and Pr signals are 350mV.

Sync Selection

If the synchronization is derived from Y or Green, the H and V sync from the sync-slicer must be selected.

- When YPbPr-signal or RGB-signal is 480p-format: sync signals will be V-770 and H-770-2 sync.
- When YPbPr-signal or RGB-signal is 1080i-format: sync signals will be V-770 and H-770-3 sync.

When the sync is separate (H and V), the sync of the source must be selected. The IO-4, IO-5 control-lines select the sync-inputs of the HEF4052 (7102.) In our figure, these control-lines are named SYNC SELECT 2 and SYNC SELECT 1. Via IO-6 line (called TRISTATE SYNC), the sync output can be put in tri-state.

Control Function

The different selections are made by the I/O expander, controlled by I2C.

These selections can be made with the user interface.

Audio

Audio left and audio right are connected via the two cinches and passed through the module.

Video: High-end Input Processor (HIP, diagram B2)

In the N8 the TDA932xH input processor is used, which contains the following functions:

- IF demodulation.
- AFC signal generation, used to track drifting transmitters.
- Sound carrier re-generation (SIF).
- Sync acquisition, delivering HA and VA.
- Switching off IF-filtering.

The HIP has various inputs.

- Full matrix switch with:
 - 2 CVBS inputs
 - 2 Y/C (or additional CVBS) inputs
 - 1 CVBS front end input
- Two RGB and 1 YUV-input

Outputs: Three separate switchable outputs can be used:

- 1 YUV-output is fed to the PICNIC
- 2 CVBS outputs: One for CC-decoding (named CVBS-TXT) and the other for output to MONITOR OUT to have WYSIWYR (What you see is what you record)

The input signals from the Front I/O are fed to the HIP and front detection is fed to the Painter.

AV1 is a CVBS- and a YUV input (e.g. for DVD), while AV2 is meant for CVBS and Y/C (SVHS). The third option is a MONITOR OUT-output.

Video Processing

The sandcastle-pulse of the HIP will not be used for synchronization. The HOP will generate synchronization signal derived from the feature box (PICNIC) signals. The HIP itself (no external voltage) controls the Y/C switch in the HIP.

The Chrominance decoder in the HIP is full multi-standard, but only NTSC is decoded. One crystal is connected to the pin 57 without any alignment. The crystal is also used as a reference for the synchronization. A digital control circuit that is locked to the reference signal of the color decoder determines the start-up of the sync. This crystal may only be replaced by the original one. If just a crystal is taken, the internal capacitance will be different and the effect will be that there is no color.

In the HIP, a sync separation circuit has been integrated. The HIP delivers the HA and VA (50/60 Hz) to the PICNIC and PIP/DW module. On pin 59, there is the 1fH sandcastle but this is not connected to any circuit and only used internally for the color demodulator. The 2fH-sandcastle signal is generated by the HOP.

Video: Feature Box (PICNIC, diagram B3)

Introduction

The basic function of the Feature box (FBX6) is picture improvement, and depending on the version several scan conversion methods can be applied. The PICNIC is the key component.

In the N8-chassis, the feature box is integrated on the SSB. The PICNIC is used for the 60 Hz (prog. Scan) conversion. In the PICNIC, the following functions are present:

- The ADC.
- The DAC.
- The interlaced to progressive scan conversion.
- The noise limiter (DNR).
- The contrast improvement.

All these functions are integrated in one IC: SAA4978H, a 160 pin QFP.

ADC/DAC

Analogue to Digital conversion is done with three identical 9-bit ADC's.

Digital to Analogue conversion uses three identical 10-bit DACs.

In the PICNIC there are three 9 bits ADCs present for Y, U and V. For digitizing the Y (luminance) 9 bits are used, to realize a more detailed picture. The nine bits are only used internally. Via dithering, the nine bits are reduced to eight bits and that data is stored in memory. The data in memory is fed back to the PICNIC and via un-dithering the data is again reproduced in nine bits for processing.

U/V (color difference signals) is also sampled with nine bits. These two nine bit data streams are multiplexed to four bit data streams. This reduction can be allowed, as the perception for colors by the human eye is less sensitive as for luminance.

Interlaced to Progressive Scan Conversion

The main task of the PICNIC is the conversion from interlaced 60 Hz to progressive scan 60 Hz for YUV and HV-sync. In order to remove 'large area flicker' (especially visible in a white picture), the field-rate of the video is doubled by the FBX6. The line frequency (16 kHz) is doubled (32 kHz). When the video input contains fields A, B etc, the conversion provides an AABB sequence on the display. The actual conversion is done in the first Field Memory by reading it twice at double speed, while writing it once.

Automatic Aspect Ratio Adaptation (AARA)

This feature uses data from the 'black bar detection circuit' to adapt the vertical and horizontal amplitude to an aspect ratio belonging to the display without showing the black bars.

CTI

At CVBS video signals, the bandwidth of color signals is limited to 1/4 of the luminance bandwidth. Transients between areas of different color are therefore not very sharp. The PICNIC can increase these transients artificially with a time manipulation algorithm.

Dynamic Contrast

To make the contrast (black/white) range wider, Philips has invented Dynamic Contrast. It uses the digital memory used in digital scan sets. It measures every A-field (25 x/s) and digitally analyses where on the grayscale most of the image is located. If it is a relatively dark image, the lighter part of that image is stretched towards white, so that more contrast will become visible in that picture. If it is a relatively light image, the darker part of that image is stretched towards black, so that these darker parts will have more contrast. When the image is in the middle of the grayscale, both dark and light parts are stretched.

PROZONIC

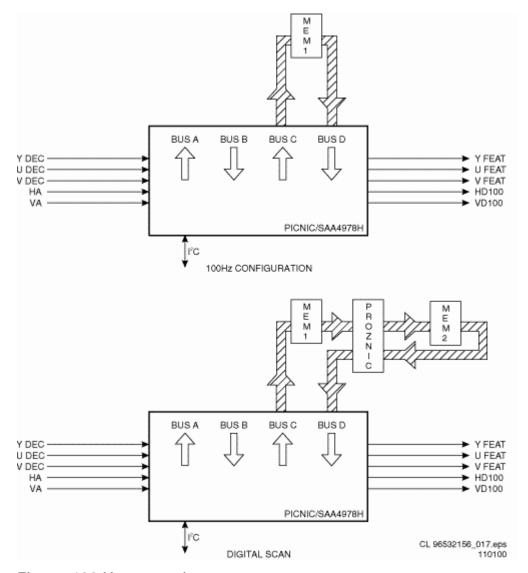


Figure: 100 Hz conversion

To the PICNIC, external ICs are connected dependent of the features.

For N8-sets with Digital Scan the PROZONIC (IC7708, SAA4990H) is placed with two memory ICs (IC7714 and 7715). It is an abbreviation for PROgressive scan ZOom and Noise reduction IC.

When applying this, the second Field Memory has to be installed. The following functions are available:

- Line flicker reduction (Digital Scan): this is a feature to reduce the 30 Hz interlace line flicker.
- Dynamic Noise Reduction: noise affected signals can be improved by combining the pixel values of the current and past video fields. This is however only possible in areas without movement.
- Variable Vertical Sample Rate Conversion
- Synchronous No Parity Eight bit Reception an Transmission interface (SNERTbus)

Video: High-end Output Processor (HOP, diagram B4)

General

In the HOP (High-end Output Processor, TDA9330) the video processor and digital deflection processor are integrated. The main functions of the HOP are:

- Video control (contrast, brightness, saturation, etc.).
- 2nd RGB interface for OSD/CC.
- Peak White Limiting.
- Cut-off control and White Drive (RGB outputs).
- Geometry control.

The YUV-signals from the PICNIC are fed to the HOP. In the HOP, the video and geometry control parts are integrated. In addition, the RGB-signals from TXT/OSD are inserted via the HOP. This IC has all functions from a video processor and geometry control.

The geometry part delivers the H-drive, EW-drive, and a drive signal for rotation. The internal V-drive circuit of the HOP is not used (is explained further on).

Video Control

After conversion to RGB again, the signals can be controlled for Saturation, Contrast, and Brightness.

2nd RGB Interface for OSD/CC

On pins 35 to 38, the RGB and fast blanking from the Painter (OSD and CC) are inserted.

Peak White Limiting

On pin 43 there is a Peak White Limiting signal line (PWL). If the beam current (EHT-info line) increases, then the EHT-info voltage will decrease. PWL is controlled by average limiting via R3343/C2333.

Cut-off Control

Switching the TV to Standby:

- 1. Vertical scan is completed.
- 2. Vertical flyback is completed (the horizontal output is gated with the flyback pulse, so that the horizontal output transistor cannot be switched on during the flyback pulse).
- 3. Slow stop of the horizontal output is started, by gradually reducing the 'on' time at the horizontal output from nominal to zero (this will take 50 ms.).
- 4. At the same time, the fixed beam current is forced via the black current loop for 25 ms., by setting the RGB outputs to a maximum voltage of 5.6 V.

In this chassis, a 'one-point' cut-off control is used:

A current of 8A (for cut-off) is fed to pin 44 of the HOP. This is done with a measurement pulse during the frame flyback. During the first frame, three pulses are generated to adjust the cut-off voltage at a current of 8A. With this measurement the black level at the RGB-outputs is adjusted. So at start-up there is no monitor pulse anymore.

At start-up, the HOP measures the pulses, which come back via pin 44. The RGBoutputs have to be between 1.5V and 3.5V. If one of the outputs is higher than 3.5V or one of them lower than 1.5V, the RGB-outputs will be blanked.

Geometry Control

All geometry control is done via I2C and the data is stored in the NVM (IC7012) of the SSB.

Line Drive (LINEDRIVE1).

Line drive is derived from an internal VCO. As a reference an external resonator is used (1301). The internal VCO is locked with the HD100-pulse, which comes from the PICNIC. The 'PHI-2' part in the HOP receives the HFB_X-RAY_PROT (pin 13) to correct the phase of the line drive. The EHT-info is supplied to pin 14 (DYN-PHASE-CORR) to compensate picture breathing depending on the beam current.

Frame Drive (FRAMEDRIVE+).

Triggered by Frame+ output of HOP-IC (pin 1), the FRAMEDRIVE+ signal is extended to 530uSec (flyback time) by the circuit around TS7309 and 7311. (Vsync signal is used to vertically sync the painter)

Note: The Frame outputs (pins 1/2) of the HOP are not used!

East/West Drive.

At pin 3, the E/W-drive is available. Pin 4 is a feedback input for the EHT-info and is used to prevent pumping of the picture. EHT varies also dependent of the beam current.

Frame Rotation.

For frame rotation, a control voltage is used from pin 25 of the HOP. This voltage can vary from 0.4V to 4V.

Guarding Protections:

Flash detection:

When a flash occurs, the EHT-info will become negative very fast. Via D6303/D6304/R3316, TS7303 starts to conduct. This makes pin 5 of HOP high. When pin 5 of HOP is high, then the output (pin 8) is immediately stopped. If the H-drive stops, then also pin 5 will be low again, which will reset the flash detection. A bit (FLS) will be set in an output status register, so via the Painter it can be seen when there was a flash. This FLS-bit will be reset when the Painter has read that register.

HFB protection:

If the HFB is not present then this will be detected via the HOP. The Painter puts the TV into protection and an error code will be generated.

3D Comb Filter (Diagram CO)

Conventional Comb filters separate the luminance (black and white picture information) from the chroma (color picture information), by comparing horizontal scanning lines within one video frame The 3D Digital Comb Filter takes this idea two steps further by acting upon not only consecutive lines within the frame, but in the frame before and after as well. The added analysis and correction result in far sharper pictures with less noise, as well as an enhanced purity of color. The filter also compensates for any motion that occurs between fields.

The video inputs and outputs are protected from temporary overload conditions and are ESD protected for improved reliability. The module is controlled via I2C commands. The red LED on the panel indicates proper sync and color burst timing. When they are detected, the LED must be 'off.'

The input currents for the 5 V (280 mA) and 9 V (120 mA) supply are self-limiting due to the use of a PTC (R3103 and R3104).

The 3D Comb filter is integrated in one IC (type uPD64083.) The block diagram of the 3D Comb panel is indicated in the next figure.

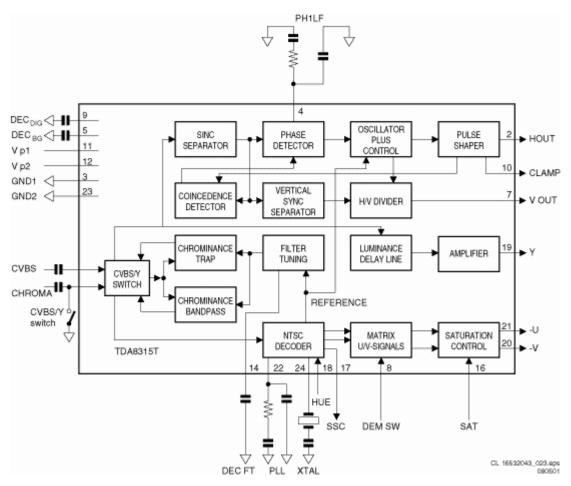


Figure: Block diagram 3D Comb panel

Synchronization (Diagram B3 and B4)

The HIP video processor provides vertical and horizontal sync pulses VA and HA, which are synchronized with the incoming CVBS signal. These pulses are fed to the PICNIC where they are doubled to be synchronous with the 100Hz picture. The outgoing pulses, VD100 (in reality 60 Hz), and HD100 are fed to the HOP that supplies the vertical and horizontal drive pulses and the 2fH sandcastle pulse.

Via a mono-stable multi-vibrator circuitry (7309/7311), a frame flyback pulse is generated of 530s. This pulse is triggered by the Frame + output of the HOP-IC. The VSYNC output of this circuitry together with 'HS' signal (retrieved from the HFB signal via TS7007 on diagram B7) synchronize the Painter for stable OSD/CC.

The 'framedrive +' line drives the frame deflection.

When no CVBS is offered to the video processor, the VA and HA pulses are switched 'off' by the HIP, and the VD and HD pulses are then generated by the PICNIC. This to assure a stable OSD.

This also counts for the AV4 input signal (HD input). When having no signal here, we still have a stable OSD.

Horizontal (Line) Deflection (Diagram A3)

Driving the Line Output Stage

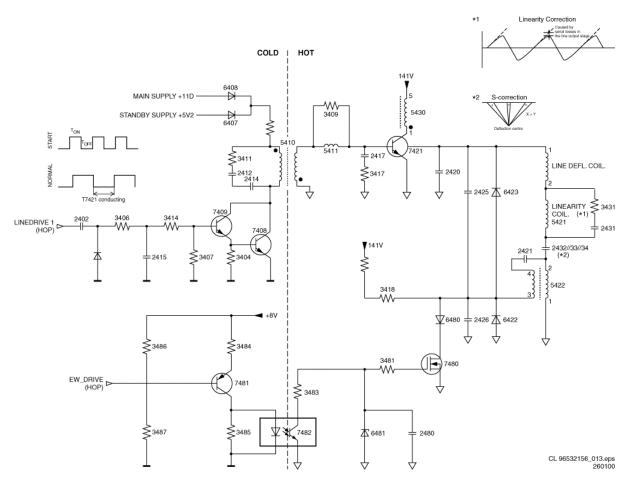


Figure: Line deflection circuitry

The HOP (located on the SSB) generates the line-drive pulses (LINEDRIVE1), which have a frequency of 31468 Hz (T = 31.77s).

When the LINEDRIVE1 signal is high, TS7409 and TS7408 will conduct. A constant DC voltage will be applied across L5410, causing a linear increasing current through this coil. The secondary voltage of L5410 has a negative polarity so that TS7421 will block. When switching on the set, the current through L5410 is supplied by the 5V2 Standby supply (via D6407), and taken over by the +11D voltage (via D6408) of the main supply.

When the LINEDRIVE1 signal becomes low, TS7409 and TS7408 will block. The voltage polarity across the primary winding of L5410 will invert. The positive voltage on the secondary winding will now drive TS7421 into conductivity. Because of the storage time of the line transistor (TS7421), L5410 cannot transfer its energy immediately to the secondary side. This may result in high voltage peaks on the collector of TS7409 and TS7408. To prevent that these peaks will damage the transistors, a 'snubber' circuit (C2414, C2412, and R3411) will suppress them.

When the LINEDRIVE1 signal is high again, the above-described sequence starts again. Circuit L5411 and R3409 will increase the switch-off time of the line transistor.

The line stage will be started via the 'slow start' principle. During start-up, the HOP generates line drive pulses with a small TON and a high frequency (50 kHz); TOFF will be constant and TON will be gradually increased until the duty-cycle is 50 % (normal condition). The time interval from start to normal condition takes about 150mSec. When switching off, the same procedure is followed, but now in reverse order.

Operation of the Line Output Stage

To explain the operation of the line output stage, we use the following start conditions:

- C2433 is charged to max. 141 V (VBAT)
- TS7421 is driven into conductivity.

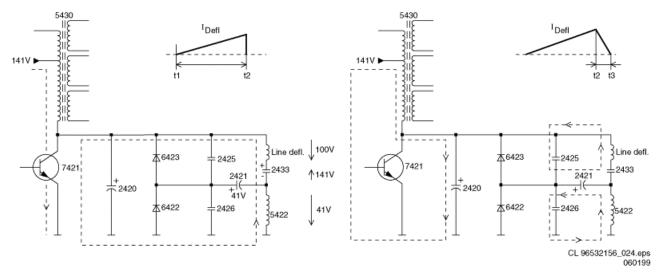


Figure: Line deflection part 1

Period t1 - t2:

When TS7421 is driven into conductivity, the capacitor voltage of 141 V will be divided across bridgecoil L5422 and the deflection coil (conn. 0317). Due to the chosen inductance values, there will be 100 V across the deflection coil and 41 V across L5422. The linear increasing current in the deflection coil will result in a spot moving from the center of the picture tube to the right.

The voltage across L5422 will also charge C2421 (41 V - 0.7 V).

Period t2 - t3:

At the moment the LINEDRIVE signal becomes high, TS7421 will stop conducting. In the coils, a voltage will be induced, trying to maintain the current. The current through the line deflection coils continues to flow through C2425 and C2421 and the current

through L5422 continues to flow through C2426 and C2421. The energy stored in the line deflection coil is passed to C2425, and the energy of L5422 to C2426.

The resonance-frequencies of these two LC-circuits define the flyback time of the spot from the right side of the picture tube to the left.

On average, no current flows through C2421 and thus the voltage across this capacitor remains constant.

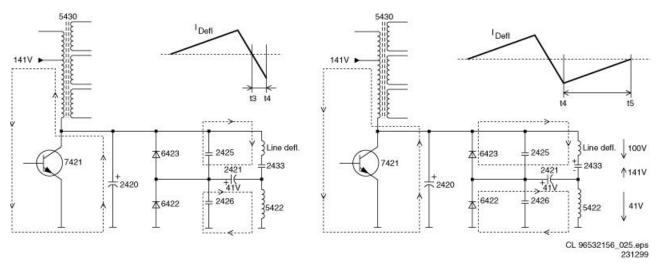


Figure: Line deflection part 2

Period t3 - t4:

As for the period t2 - t3, but now the current flows in the opposite direction, since the voltage across C2425 and C2426 is higher than the voltage across C2433 and C2421.

Period t4 - t5:

The coils try to maintain the negative current and will charge the capacitors negative. Because of this, D6422 and D6423 will conduct. The voltage is 100V across the deflection coil and 41V across L5422. As both diodes conduct, we may consider the voltage constant. A linear current flows with the same changing characteristics as in period t1 - t2. The spot now moves from the extreme left to the center of the picture tube. Before the current becomes zero, and the spot is located in the center of the frame, TS7421 reverts into conductivity. First a short negative current will flow. Then the cycle begins again.

The Linearity Correction

A constant voltage across the horizontal deflection coil should result in a linear increasing saw-tooth current. This however is not the case as the resistance of the coil is not negligible. In order to compensate for this, a pre-magnetized coil L5421 in series with the deflection coil is used. This coil ensures that during time interval t1 - t3 the circuit-resistance will be higher than during t4 - t5. L5421 is called the linearity coil. To avoid self-oscillation, R3431 and C2431 are placed parallel to L5421.

The S-Correction

Since the sides of the picture are further away from the point of deflection than the center, a linear saw-tooth current would result in a non-linear image (the center would be scanned slower than the sides).

To solve this, the deflection current for the right- and left side will be reduced. C2433 is charged quadratic during time interval t1 - t2. On the left and right sides of the screen the voltage across the deflection coil decreases, causing the deflection to slow down. In the center of the screen, the voltage increases and the deflection will increase in speed.

An S-shaped current will have to be superimposed onto the saw-tooth current. This correction is called finger-length correction or S-correction. C2433 is relatively small, as a result of which the saw-tooth current will generate a parabolic voltage with negative voltage peaks. The current also results in a parabolic voltage across C2421, resulting in the finger-length correction, proportionally increasing with the picture width. The EW-DRIVE signal will ensure the largest picture width in the center of the frame. Here the largest correction is applied. The larger the picture width, the higher the deflection current through C2433.

The E/W-Correction

A line, written at the upper- or lower side of the screen, will be larger at the screen center when a fixed deflection current is used. Therefore, the amplitude of the deflection current must be increased when the spot approaches the screen center. This is called East/West correction.

The EW-DRIVE signal is generated in the HOP and will drive FET TS7480 via TS7481 and optocoupler TS7482. TS7480 will charge capacitor C2423 more or less, increasing the deflection current when reaching the center of the screen.

Secondary Line-Voltages

During the blocking time of TS7421, the magnetic energy of coil 1 - 5 of the LOT will be transferred to electrical energy in the secondary winding. Via rectifying and smoothing, the several secondary supply voltages will be generated:

- EHT, Focus and Vg2-voltage,
- +180V for the CRT panel (pin 8 LOT),
- +11D for the line deflection (pin 12 LOT),
- +13VLOT for the frame deflection (pin 6 LOT),
- -15VLOT for the frame deflection (pin 3 LOT),
- Filament voltage (pin 9 LOT).

The EHT-INFO signal is derived via R3450//R3451. This signal decreases while the beam current increases. It is fed to the HOP to compensate for loss of picture width and picture height.

The DYN-FASE-CORR signal is fed to the HOP via C2455 and drives a dynamic phase correction necessary because of beam current variations. This is done by regulating TON of the line transistor TS7421.

East-West Circuit

The moment TS7480 is driven into saturation, C2421 will discharge during the flyback. As a consequence of which C2421 must be charged again during the scan via the conduction diode D6422 (as long as C2421 is not charged to the voltage across L5422, D6422 will conduct). The current in the deflection coil is therefore larger than the current flowing in L5422 (1-2). The voltage across the deflection coil increases, so the picture width increases. When TS7480 blocks, C2421 will not discharge anymore and the voltage across C2421 will remain constant. The result is that the voltage across the deflection coil is minimal. The voltage across coil L5422, however, is maximal. This coil (L5422) consists of a transformer:

- As the current through the coil 1-2 increases (smaller picture width), the current through coil 3-4 decreases. Because of the transformer characteristic a higher voltage will be subjected to coil 3-4, this will counteract the current. The current will diminish even further.
- When the current through coil 1-2 diminishes (larger picture width), the current through coil 3-4 increases.

The EW Drive

The EW drive signal originates in the HOP and is supplied to TS7480. The shape of this signal determines the various geometric correction parameters:

- H amplitude,
- EW-parabola,

- EW-corner,
- EW-trapezium,
- Horizontal parallelogram,
- Horizontal bow.

Beam Current Correction

The EHT-info at point 10 of the LOT is dependent on the value of the beam current and the voltage divider R3450, R3451, and C2450. The EHT-info is fed to the HOP to trim the contrast and to compensate for the changes in picture-width as a function of the EHT-info, when the high-voltage is decreased.

The EHT-info is integrated via C2450 and sent to the gate of the E/W FET (TS7480) as a DC-voltage to correct the EW-current.

Vertical (Frame) Deflection (Diagram A4)

Driving the Frame Output Stage

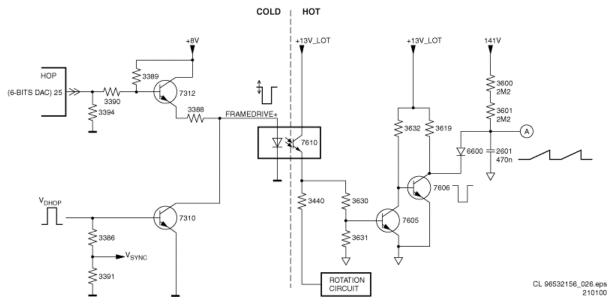


Figure: Frame deflection circuitry

The HOP drives the frame output stage. As the HOP is 'cold' and the frame output stage is 'hot', they must be galvanic isolated. This is done by means of an optocoupler. In the MG-chassis, the HOP generates three signals needed for the frame output stage: VDPOS, VDNEG and FRAME ROTATION. To avoid the costs of three optocouplers, the frame drive pulse and rotation DC-voltage are added together and then fed to optocoupler TS7610.

This is done as follows:

The positive frame output signal of the HOP (pin 1 of HOP, diagram B4) is extended for 16.5 lines and inverted via a mono-stable multivibrator (TS7311, TS7309 and TS7310, diagram B4). This signal is called FRAMEDRIVE+. The output signal of pin 25 of the HOP (rotation-information) is superimposed via TS7312 on this signal. The FRAMEDRIVE+ and is fed to optocoupler 7610 (diagram A4). So this signal contains info for both the frame deflection and the frame rotation (if present).

The circuit around IC7440 will amplify this signal and the output current will flow through the rotation coil. The vertical pulses on this signal are filtered by C2445 to ensure that only a DC-voltage will be supplied to the rotation coil.

The output voltage of the rotation circuit is between -8 and +8 V.

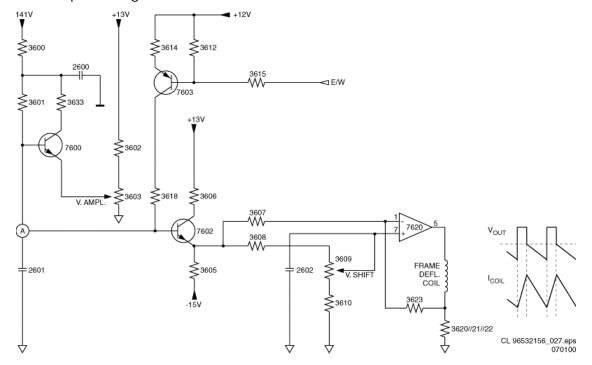


Figure: Frame deflection

The sawtooth voltage for the frame output stage is not generated by the HOP but by a discrete circuit after the optocoupler 7610 via R3600 and R3601 a linear increasing voltage over C2601 is built up with a large time constant.

The circuit around TS7603 is a current source, driving C2601 with a current value derived from the E/W modulator. This will result in an S-shaped voltage on C2601 (also known as EW-correction).

Flyback Generator

The frame output stage is supplied via the +13 V and -15 V coming from the LOT. The output of the amplifier is 0VDC, so a coupling capacitor is not required.

During the (forward) scan, a supply of +13 and -15 V is sufficient to respond to the slow changing current. The flyback generator puts a voltage of -15 V on pin 3. Because of the voltage drop over zener diode D6622 (8.2 V), C2622 will be charged to 19 V: being 13 + (15 - 8.2 - 0.7) V.

During the flyback scan, the change in current per time is much larger, so a higher voltage is required. The flyback generator will now generate a voltage of +13V on pin 3. Added to the charge on C2622 this will give a flyback voltage of 32 V (depending on the CRT size, this value can differ).

The IC amplifier (IC7620, pin 5) supplies the sawtooth current to the frame deflection coil. The current through this coil is measured via R3620//R3621//R3622 and fed back to the inverting input of the amplifier.

R3624 and C2624 on the output of the amplifier, form a filter for high frequencies and in that way also prevents oscillations.

Peak voltages on the output, e.g. as a result of a possible flash, are damped by the clamp circuit consisting of D6619, C2627, and R3627. The network consisting of R3625, R3629 and C2629 form an extra damping circuit.

Protection Circuit for Bridge-Coil and Frame Output Stage

The secondary voltage of bridge coil L5422 is guarded at the diode modulator (D6421/22) via a detection circuit consisting of an 8.2 V zener diode (6499 on diagram A3). When the bridge-coil is working properly, the average voltage on D6422 is such that this zener diode will conduct and will drive TS7652 into saturation via the BRIDGE_PROT signal (see diagram A4). When, for any reason, the secondary side of the bridge-coil is shorted, the average voltage on D6422 will drop below the zener-voltage and TS7652 will block. Now capacitor C2642 will be charged. Transistor TS7407 will start conducting and the DEFL-PROT (= STANDBY, see diagram A3) signal will be grounded via R3403. This will switch off the main supply (see diagram A1).

Via the circuit built around TS7641 the frame output stage is guarded. If the frame output stage is working properly, TS7641 and TS7652 will both conduct and thereby discharging C2642. TS7407 is blocked now, causing the DEFL-PROT signal to have a high resistance.

If there are frame pulses missing, TS7641 will block and capacitor C2642 can be charged. Transistor TS7407 will now start conducting and the STANDBY (=DEFL-PROT) signal will be grounded via R3403. This will switch off the main supply (see diagram A1).

Audio (Diagram B6, A5 and A6)

Introduction

All N8 sets contain one of ITT's Multistandard Sound Processing ICs for sound decoding. The USA-version uses the MSP3451G (Global decoding and Virtual Dolby). This IC takes care of the main FM sound decoding.

All MSP versions contain digital audio processing used for the basic left/right stereo sound, such as bass, treble, balance, incredible sound and spatial. In addition to that, the MSP3451 is also able to perform Virtual Dolby; a Dolby approved sound mode for surround sound reproduction with left/right speakers only.

The MSP3451 is capable of supporting four stereo inputs. Therefore, an extra input selector (HEF4052) is not needed. It has a separate headphone output, so sound control is done separate from the speakers.

Audio Decoding

The signal is fed to the AGC. After this, an ADC converts the IF-signal to a digital signal. This digital signal is processed by two demodulation channels. The first one is able to handle FM.

This channel contains a mixer to shift the incoming signal in the frequency domain. This shift is determined by the value of a DCO (Digital Controlled Oscillator).

After the down-mix, the signal is fed, via a filter, to a discriminator. From here the FM (BTSC) demodulation can be performed.

Both channels contain an 'automatic carrier mute' function, which automatically mutes the output of the analogue section when no carrier is detected.

After demodulation, the FM-signals are subjected to a de-emphasis operation. After that, the matrix of the stereo system is applied.

Explanation BTSC Stereo System (USA)

The standard for TV stereo audio in the USA was set by the Broadcast Television Systems Committee (BTSC). The BTSC system was designed to:

- be compatible with then current monaural TV receivers,
- present a good stereo separation and signal to noise ratio,
- make available a Second Audio Program as a separate audio channel,
- provide a technical voice/data channel to communicate within the TV stations system.

In a transmitted TV signal in the USA, the FM Audio signal is placed 4.5 MHz above the AM Video Carrier. The audio FM has a nominal deviation of +/-50 kHz. With the BTSC system this signal separation and FM deviation is maintained.

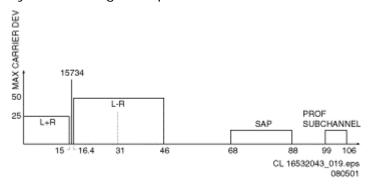


Figure: Base band audio signal spectrum

Figure above shows the detected base band audio signal spectrum. The 'L+R' signal maintains compatibility with the original (and current) monaural receivers. With Double Sideband Suppressed Carrier (DSSC) for the 'L-R' signal, there is a need for an exact re-insertion of the missing carrier. This to assure a good detection in the receiver. This is the main purpose of the pilot carrier at 1fH (15,743 Hz). It also serves to alert the TV set (and the customer) to the fact that the signal is in stereo. As the pilot is at the exact horizontal scan frequency, this can lead to false indication from such sources as VCRs, Signal Amplifiers, etc. where both sound and video are present with RF energy.

The figure also shows the Second Audio Program (SAP) frequency, which is a constant carrier of an audio tone of 5fH (78,670 Hz), FM modulated by the SAP program content. SAP is always monaural.

The material on the SAP audio may, in some cases, not be related to the video content. Alternatively, it may contain a verbal description of the action in the video for those who can not view the picture.

Some stations use it to transmit background music or book reading for the blind.

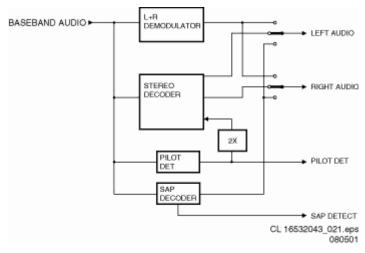


Figure: Block diagram stereo sound system

In figure above, a simplified block diagram of a stereo sound system in a TV set shows the 'L+R' audio signal combined with the detected 'L-R' audio signal to develop stereo 'L' and 'R' audio.

The 'pilot' signal is doubled in frequency (to 2fH) and re-inserted into the detection of the 'L-R'. This to complete the detection.

The pilot signal also tells the control circuit when a pilot frequency is present. The 'L-R' and 'L+R' audio are supplied to the stereo matrix. There, by addition and subtraction the single 'R' and 'L' audio signals are output. The SAP audio is detected and made available. In addition, the indication of a SAP signal is given to the control circuit.

Audio Processing

The sound processing in N8 is completely done by the MSP3451G for 'Virtual Dolby' sets:

- **Volume control** is done by the user via the SOUND menu.
- **Tone control** is done via the BASS/TREBLE control.
- Headphone control: In 'Virtual Dolby'-sets, the MSP has a separate Headphone output so separate sound control is possible.
- Mute control can be done in different ways:
 - Via the 'SOUND_ENABLE' line of the Painter. Used during start-up/switch-off conditions, in order to avoid audible plops. This line is active low (high = mute).
 - Via the decoding part of the MSP.
 - Via the processing part of the MSP.

The mute on the RC transmitter or in the User Interface (UI) is per today a combination of processing mute and 'SOUND_ENABLE' line. When a user mute is done, the processing mute will turn down the volume, after which the 'SOUND_ENABLE' line is switched. De-muting is the other way around. The reason for this is a technical problem with crosstalk of the headphone into the loudspeakers.

Automatic Volume Leveling (AVL)

One of the features of the MSP-family is AVL. If used, it limits the big volume differences in the broadcast between e.g. news transmissions and commercials or within a movie.

To be able to get a Dolby approval (for the Virtual Dolby sets), the AVL feature must be switchable. Therefore, the AVL feature is customer switchable via the menu.

Audio Amplification

The audio amplifier part is very straightforward. It uses two integrated power amplifiers (TDA2616). It delivers an output of 2 x 10WRMS to two full range speakers and/or subwoofer.

The supply voltage is +28 V, generated by the main supply via L5506.

Muting is done via the 'SOUND-ENABLE' line connected to pin 2 of the amplifier IC and coming from the Painter. This signal is inverted by TS7730, as a result of which at a high level of the 'SOUND-ENABLE' signal, current is sinked from pin 2, and the IC mutes.

CRT and SCAVEM (diagram F)

RGB Amplifiers

On the CRT panel, the RGB amplifier (TDA6108, IC7307) is located. Via the outputs 9, 8 and 7 the cathodes of the picture tube are driven.

The supply voltage for the amplifier is 180 V and is derived from the LOT.

SCAVEM

The SCAVEM-circuitry is implemented in the layout of the picture tube panel. It is thus not an extra module. SCAVEM means SCAn VElocity Modulation. This means that the picture content influences the horizontal deflection. In an ideal square wave, the sides are limited in slope by a limited bandwidth (5 MHz).

SCAVEM will improve the slope as follows: At a positive slope, an SCAVEM-current is generated which supports the deflection current. The first half of the slope the spot is accelerated and the picture is darker, while at the second half of the slope, the spot is delayed and the slope becomes steeper.

At the end of the slope, the SCAVEM-current decays to zero, and the spot is at the original position. An overshoot occurs which improves the impression of sharpness. At the negative slope, the SCAVEM-current counteracts the deflection.

During the first half of the slope, the spot is delayed and the slope becomes steeper. During the second half the spot accelerates, the SCAVEM-current is zero at the end of the slope.

The Y-scavem signal comes from diagram B4 and is the input-signal for the scavem-circuitry on the CRT-panel. (Y-scavem enters the CRT-panel on pin 5 of 0340).

The Y-scavem circuitry has or a RGB 2fh-input via AV4-input, or Yttp-input (= cvbs) for the other signal sources

Via TS7300 this signal is fed to emitter follower TS7304. The signal is conveyed to the differentiator C2303, R3309, and R3318. Only the high frequencies are differentiated (small RC-time).

The positive and negative pulses of this signal drive respectively TS7303 and TS7302 into conductivity. The DC setting of the output stage is set by R3304, R3308, R3316, and R3319. The working voltage of the transistors is settled at half the supply voltage. At the positive section of the pulse, the current flows through R3318, C2307, the SCAVEM-coil, and TS7303. At the negative section of the pulse, the current flows through R3318, C2304, the SCAVEM-coil, and TS7302.

Picture In Picture (PIP)

Introduction:

The PIP panel provides the option for viewer to see two pictures or programs on the displayed area of a TV screen. The size and position of the 'second' picture can also be selective by the viewer.

The PIP panel execution is only applicable to NAFTA only.

Key Components:

Tuner (1900): UV1336BL9/AGS • SAW Filter (1901): OFWM1962M • IF processor (7914): TDA9801 PIP processor (7803): M65669 • Switching ICs: TDA8601 (7919), HEF4053 (7801 & 7916) IO expander (7403): M62320P

Block Diagram:

There are basically two types of configurations. 2-antenna inputs or one tuner PIP, as shown in Fig. 1.

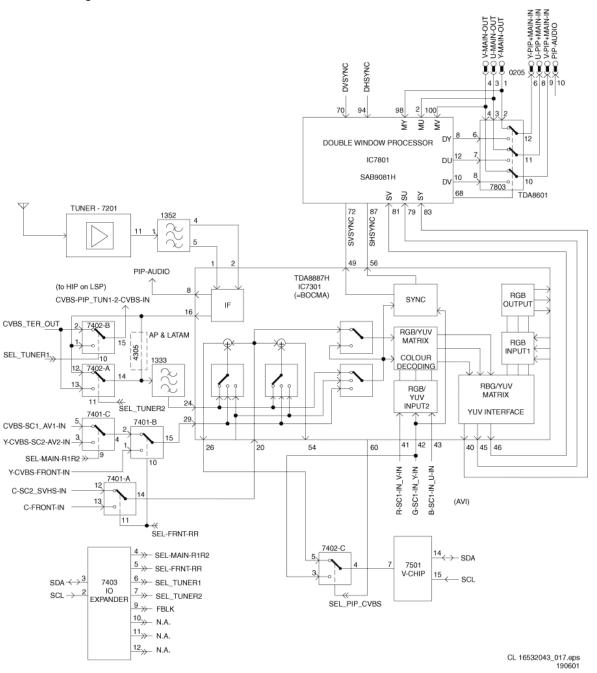


Figure: PIP panel block diagram Pip panel block diagram

Circuit Descriptions

IF section (for set with 2-antenna inputs)

Basically the IF-processing works around IC7901 TDA9801 and tuner. It demodulates the IF signal received from the tuner at pin-1 & 2 via SAW filter 1901, processes it into CVBS signal and outputted at pin-7. The AGC and phase alignments are possible on this panel.

CVBS selection (2-antenna inputs only)

Due to 2-antenna inputs construction, it is possible to provide main picture/PIP picture source either from each tuner (one for off-air and one for cable, or both off-air or cable). It was done by the switching component of IC7916. The switching logic signals, SEL_TUNER1 and SEL_TUNER2 are from IO expander IC7910 pin-6 & 7 respectively. Table-1 shows the switching logic.

Table: Switching logic between Tuner-1 and Tuner-2 for Main or PIP Picture

SEL-TUNER1 (Pin 6 of IO Expander IC7910)	SEL-TUNER2 (Pin 7 of IO Expander IC7910)	Selected CVBS signals
0	0	Main Picture = Tuner 1 PIP Picture = Tuner 2
0	1	Main Picture = Tuner 1 PIP Picture = Tuner 1
1	0	Main Picture = Tuner 2 PIP Picture = Tuner 2
1	1	Main Picture = Tuner 2 PIP Picture = Tuner 1

In order to display the external AV sources by the PIP panel, source selection circuit is incorporated on the panel. In A10 PIP execution, 3 external AV sources are possible (AV1, AV2/S-VHS1, AV3/S-VHS2). The selection between these sources is done by IC7801 HEF4053.

Note: When S-VHS is inserted from the rear, AV2 source will be disabled. Likewise when S-VHS is inserted from the side-AV.

The switching logic of AV sources is shown in Table-2.

Table: AV switching logic for PIP picture

Device IC7403	pin	Function	RF (CVBS)	AV1	AV2	AV2SVHS	AV3	AV3SVHS
IO Expander	4	S1	1	0	X	X	X	X
	5	S2	0	0	1	1	1	1
	9	S3	X	X	1	1	0	0

Since the PIP processor input needs CVBS signal, the YC from the SVHS inputs (rear & side AV) are being 'added' by TS7817 or TS7816.

PIP Processing

IC7803 M65669 is a PIP signal processor whose sub-picture is composite signal for NTSC, PAL M/N. It also has a built-in V-Chip data slicer and built-in field memory (144k-bit RAM). The PIP picture size can be 1/9 or 1/16, with picture freeze capability. The composite video signal from the PIP tuner or AV source is fed to IC7803 pin-22. Since the PIP is only NAFTA execution only one x'tal 1802 (14.3181MHz) is connected to pin-28, for decoding the CVBS into NTSC YUV signals, in the digital domain for PIP memory & output control. The compressed YUV then reconvert back to analogue by the

DACs. The YUV are output at pin-39, 37 & 35 of IC7803 respectively. In order to display the PIP sub-picture correctly on the main picture, the VFB & SANDCASTLE sync signals from the deflection are connected to IC7803 pin-33 & 32.

The sub-picture YUV signals are fed to fast switching IC7919 TDA8601 pin-6, 7 & 8. In normal operation (w/o PIP), the main picture YUV signals (at pin-2, 3 & 4) are bypassed by IC7919, and returned back to the main video processor. When PIP mode is active, the sub-picture YUV signals are used and fed to main video processor. The control is made possible by fast blanking signal from IC7803 pin-1.

Guide+ (NAFTA only)

The CVBS_TER_MAIN & CVBS_TER_PIP signals for the Guide+ decoding are routed/taken from the PIP panel along together with the switching signals (RESET, SEL_YUV_RGB & SEMI-STD-BY) derived from the IO expander IC7910.

Semi-Standby (NAFTA only)

The Semi-standby is used when Guide+ controller wants to capture the data when the set is in standby mode. Normally this is done once every night when the set is in standby mode. During this mode to reduce the load of the power supply the PIP circuitry is switch-off by TS7911 & TS7912. IO expander IC7910 pin-12 does the Semi-standby switching. Table-3 shows the Semi-standby switching logic.

Table: Semi-standby switching logic

Condition	Semi Stdby pin 12 IC7910	Stand By pin 13 on main uP	Remarks
Normal	High	High	PIP ON, TV ON, Main Front End ON
Stand By	Low	Low	PIP OFF, TV OFFMain Front End OFF
Semi Stdby	Low	High	PIP OFF, TV OFFMain Front End ON

Power Supply

The power supplies used by PIP panel are from the main board 5V, 8V and 33V (for tuner only). The 5V is supplied to tuner 1900, VIF IC7914 and switching circuitry of IC7801 & IC7916. +3V3 is derived from 5V are regulated by TS7891 & D6890. +3V3 voltage is mainly used by PIP processor circuitry. The 8V is mainly supplied to the fast switching IC7919 TDA8601.

Abbreviation List

Abbreviation	Description
1fh	1 time the line frequency
2fh	2 times the line frequency
480p	480 lines resolution (progressive scan)
1080i	1080 lines resolution via interlacing
AARA	Automatic Aspect Ratio Adaptation: algorithm that adapts aspect ratio to remove horizontal black bars; keeping up the original aspect ratio
ADC	Analogue Digital Converter
AFC	Automatic Frequency Control: control signal used to tune to the correct frequency
AGC	Automatic Gain Control: algorithm that controls the video input of the feature box
AI	Artificial Intelligence
AM	Amplitude Modulation
ANR	Automatic Noise Reduction: one of the algorithms of Auto TV
AR	Aspect Ratio: 4 by 3 or 16 by 9
AUDIO-C	Audio Center
AUDIO-L	Audio Left

AUDIO-R Audio Right

AUDIO-SL Audio Surround Left

AUDIO-SW Audio Subwoofer

Auto TV Name for the combination of picture

features/improvements, which work automatically (ANR/Auto sharpness/Auto Histo/ambient light).

AV Audio Video

BC-PROT Beam current protection

BLC-INFO Black current information

Bocma-IC IF/video/geometry IC in DW-module

BRIDGE-PROT Protection triggered when bridge coil is malfunctioning

B-SC1-IN Blue EXT1 in

B-SC2-IN Blue EXT2 in

BTSC Broadcast Television Systems Committee

B-TXT Blue teletext

CC Closed Captioning

CENTER Center speaker

C-FRONT Chrominance front input

CL Constant Level: audio output to connect with an

external amplifier

Compair Computer aided rePair

CRT Cathode Ray Tube or picture tube

CSM Customer Service Mode

CTI Color Transient Improvement: manipulates steepness

of chroma transients

CVBS Composite Video Blanking and Synchronization

CVBS-SC1-IN CVBS EXT1 in

CVBS-SC2 OUT CVBS EXT2 out

CVBS-SC2-IN CVBS EXT2 in

CVBS-SC3-IN CVBS EXT3 in

CVBS-SC4-IN CVBS EXT4 IN

CVBS-TER CVBS terrestrial

CVBS-TXT-OUT CVBS teletext out

CVBS-Y-FRONT CVBS luminance front input

DAC-HOP Digital analogue converter HOP IC

DC-filament Filament supply voltage

DEFL-PROT Protection triggered when there something wrong in

hot-side (= STANDBY)

DFU Direction For Use: description for the end user

DRAM Dynamic Random Access Memory

DNR Digital Noise Reduction: noise reduction feature of the

box

DSP Digital Signal Processing

DVD Digital Versatile Disc

DW Double Window

DYN-FASE-COR Dynamic phase correction

EHT Extra High Tension

EHT-INFO Extra High Tension information

EW East West, related to horizontal deflection of the set

EXT External (source), entering the set via EXT or via

cinches

FBL Fast Blanking: DC signal accompanying RGB signals

FBL-SC1-IN Fast blanking signal for EXT1 in

FBL-SC2-IN Fast blanking signal for EXT2 in

FBL-TXT Fast Blanking Teletext

FBX Feature Box: part of small signal /separate module

which contains 100 Hz processing, extra featuring and

AutoTV algorithms

FILAMENT Filament of CRT

FM Field Memory or Frequency Modulation

FRONT-C Front input Chrominance (SVHS)

FRONT-DETECT Front input detection

FRONT-Y_CVBS Front input luminance or CVBS (SVHS)

G-SC1-IN Green EXT1 in

G-SC2-IN Green EXT2 in

H-770-2 Horizontal 2 level sync pulse (HD-sources)

H-770-3 Horizontal 3 level sync pulse (HD-sources)

HA Horizontal Acquisition: horizontal sync pulse coming

out of the HIP

HD100 Horizontal Drive: horizontal sync pulse coming out of

the featurebox

HD-input High Definition (2fh) input of AV4

HDTV High Definition TV: highest resolution defined by the

ATSC standard (1080 lines and 1920 horizontal pixels,

referred to as 1080i)

HEATER Heater (Filament)

HFB Horizontal Flyback Pulse: horizontal sync pulse from

large signal deflection

HFB_XRAY-PROT HFB combined with X-ray protection information

HIP High-end video Input Processor: video and chroma

decoder of N8

HOP High-end video Output Processor: video, sync and

geometry controller of N8

HP Headphone

IF Intermediate frequency

IN-FRONT-SNDL Sound left front in

IN-FRONT-SNDR Sound right front in

IN-SC1-B In EXT1 Blue

IN-SC1-G In EXT1 Green

IN-SC1-R In EXT1 Red

IN-SC1-SNDL In EXT1 sound left

IN-SC1-SNDR In EXT1 sound right

IN-SC2-B In EXT2 Blue

IN-SC2-CVBS_Y In EXT2 CVBS or luminance (SVHS)

IN-SC2-FBL In EXT2 fast blanking

IN-SC2-G In EXT2 Green

IO-BUS In/Out - Bus

Last Status The settings last chosen by the customer and read and

stored in RAM or in the NVM. They are called at startup of the set to configure it according the customers

wishes

LED Light Emitting Diode

LINE-DRIVE Line drive signal

LNA Low Noise Adapter

LSP Large signal panel

MSP Multi standard Sound Processor: ITT sound decoder of N8

MUTE Mute-Line

NC Not Connected

NDF No vertical Deflection: vertical fly back protection

NHF No Horizontal deflection: horizontal fly back protection

NVM Non Volatile Memory: IC containing TV related data

e.g. alignments

O/C Open Circuit

ON/OFF LED On/Off control signal for the power-LED

OSD On Screen Display

OTP One Time Programmable IC (in this case the Painter)

Painter Set micro controller, dealing with OSD, control, CC and

V-chip

P50 Project 50 communication: protocol between TV and

peripherals (not used in USA)

PCB Printed Circuit board

PICNIC Peripheral Integrated Combined Network IC: main IC

for 100 Hz featuring and feature processing

PILOT Pilot Signal

PLL Phase locked Loop

POR_FLASH Signal that informs micro controller (painter) that set

will switch off

Progressive Scan Scan mode where all scan lines are displayed in one

frame at the same time, creating a double vertical

resolution.

PTC Positive Temperature Coefficient Resistor (degaussing)

PTP Picture Tube Panel

RAM Random Access Memory

RC Remote Control

RC5 signal from the remote control receiver

RESET Reset signal

RGB Red, green, blue signal

ROM Read Only Memory

SAM Service Alignment Mode

SC Sandcastle: pulse derived from sync signals

SCAVEM Scan Velocity Modulation

S/C Short Circuit

SC1-OUT EXT output of the MSP audio IC

SC2-B-IN Scart2 Blue in

SC2-C-IN Scart2 Chrominance in

SC2-OUT EXT output of the MSP audio IC

SIF Sound Intermediate Frequency

SIMM 80-fold connector between LSP and SSB

SLDP Smart Local Dooming Prevention (HW and SW)

SMC Surface Mounted Components

SNDL-SC1-IN Sound left EXT1 in

SNDL-SC1-OUT Sound left EXT1 out

SNDL-SC2-IN Sound left EXT2 in

SNDL-SC2-OUT Sound left EXT2 out

SNDR-SC1-IN Sound right EXT1 in

SNDR-SC1-OUT Sound right EXT1 out

SNDR-SC2-IN Sound right EXT2 out

SNDR-SC2-OUT Sound right EXT2 out

SNDS-VL-OUT Surround sound left variable level out

SNDS-VR-OUT Surround sound right variable level out

SNERT Synchronous No parity Eight bit Reception / Transmit

SOUND-ENABLE Signal from micro controller controlling sound-level

(anti-plop)

SSB Small Signal Board

SRAM Static Random Access Memory

STANDBY (POR) Signal coming from Main Supply informing the supply is

switching off

SW Subwoofer

U-100 U from Feature Box

YPbPr YUV-input with other naming

YUV YUV-input

C Micro controller

V-100 V from Feature Box

V-770 Vertical synchronization (HD-sources)

VA Vertical Acquisition

Vbat Main supply for deflection (mostly 141 V)

Vchip Violence chip (used in DW-module)

VD100 Vertical Drive: vertical sync pulse from deflection

VFB Vertical Fly back Pulse: vertical sync pulse coming

from the feature box

VSYNC Pulse derived of 530 s-circuit behind the HOP, to

vertically synchronize the Painter

VL Variable Level out: processed audio output towards

external amplifier

WYSIWYR What You See Is What You Record: record selection

that follows main picture and sound

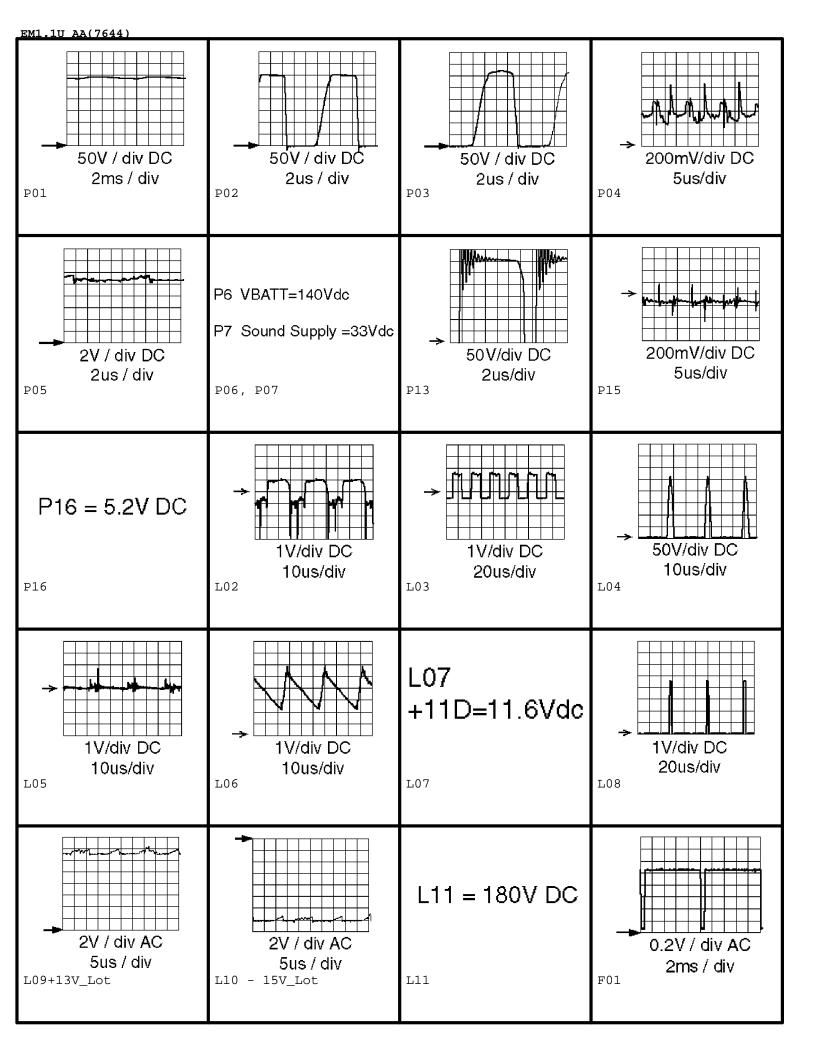
XTAL Quartz crystal

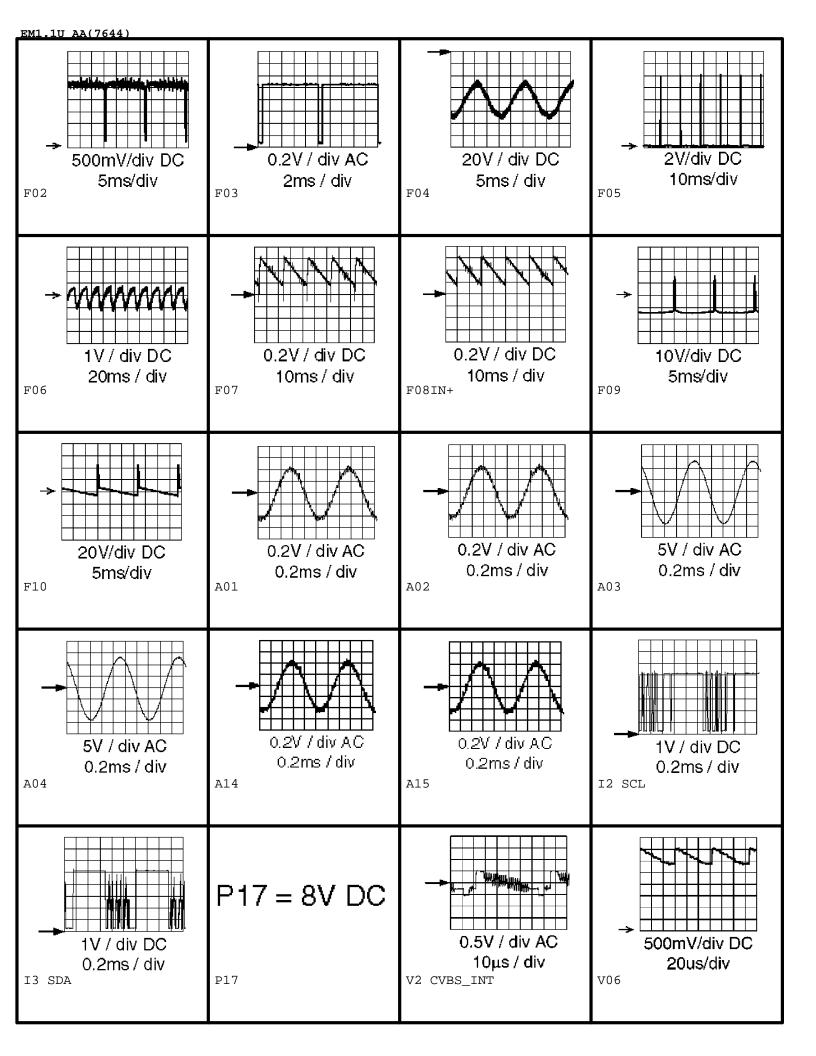
Y-100 Y from Feature Box

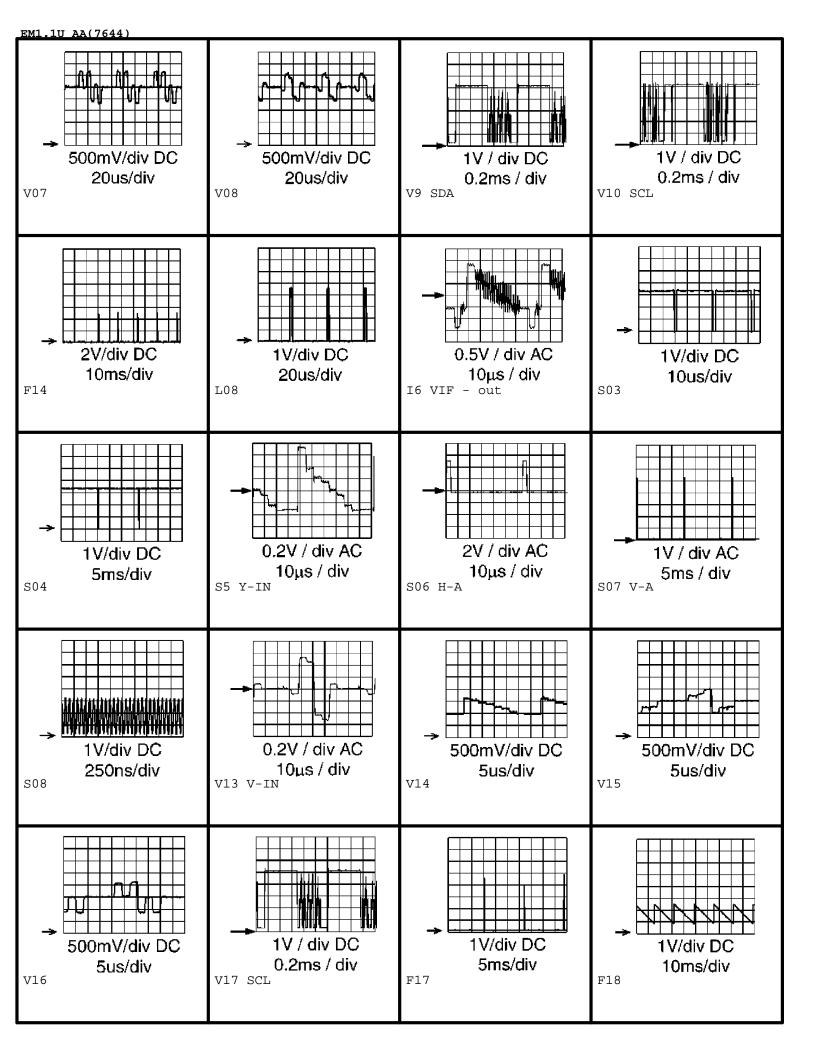
Y-OUT Luminance-signal to HOP IC

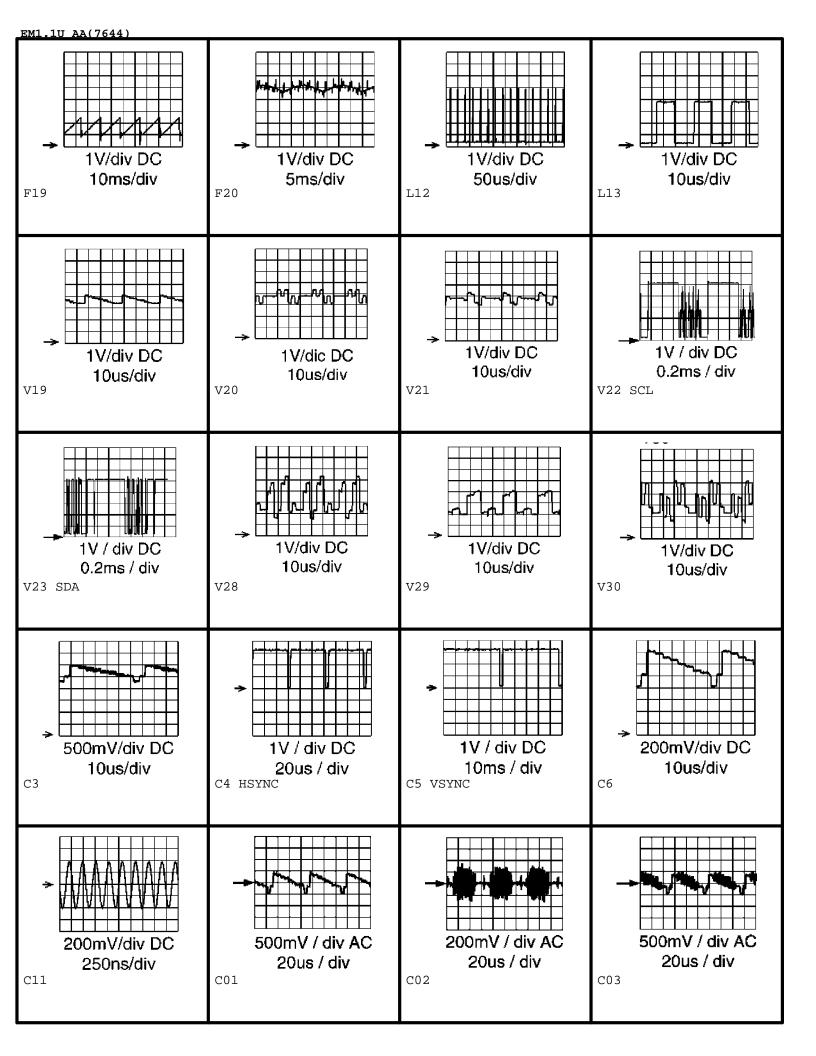
Y-scavem Signal needed for sharpening vertical lines

via scan velocity modulation

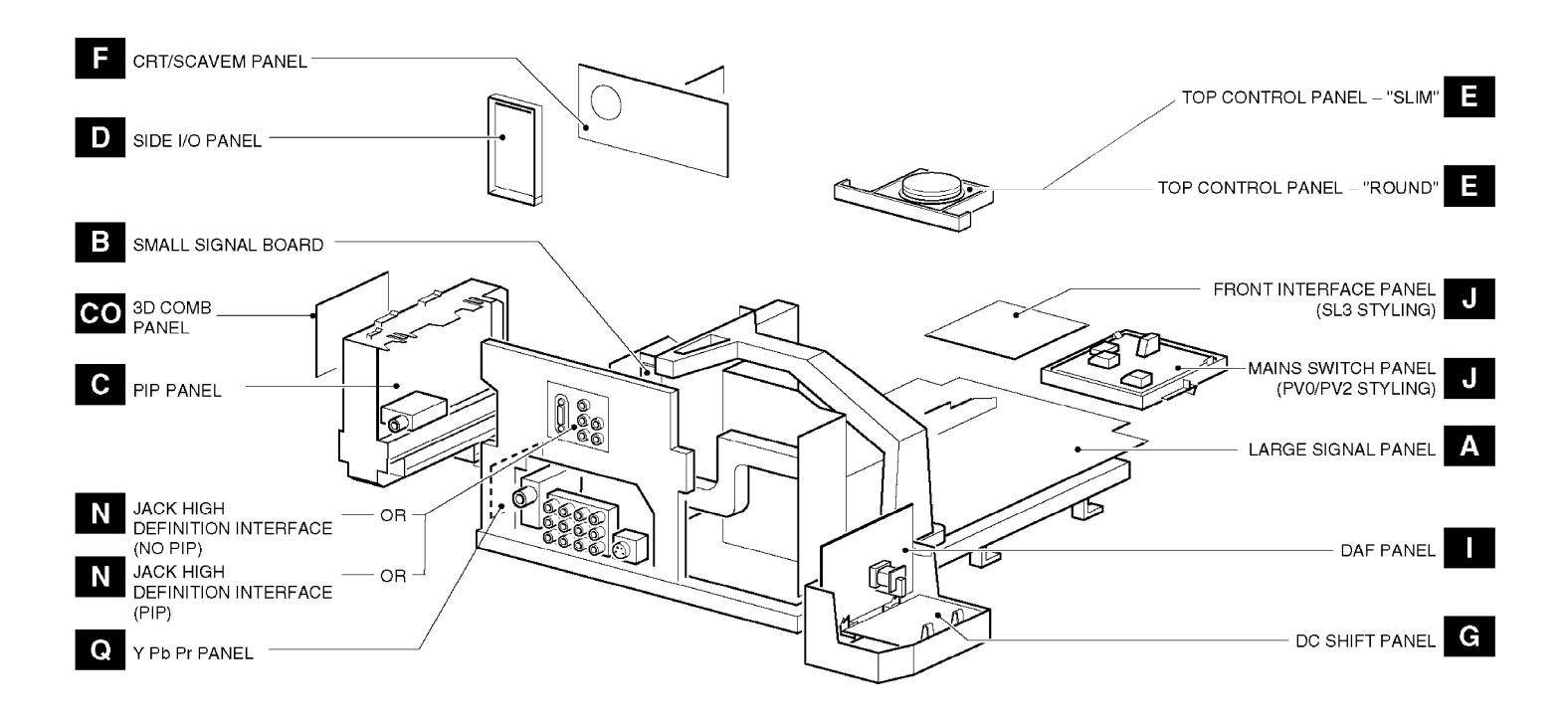


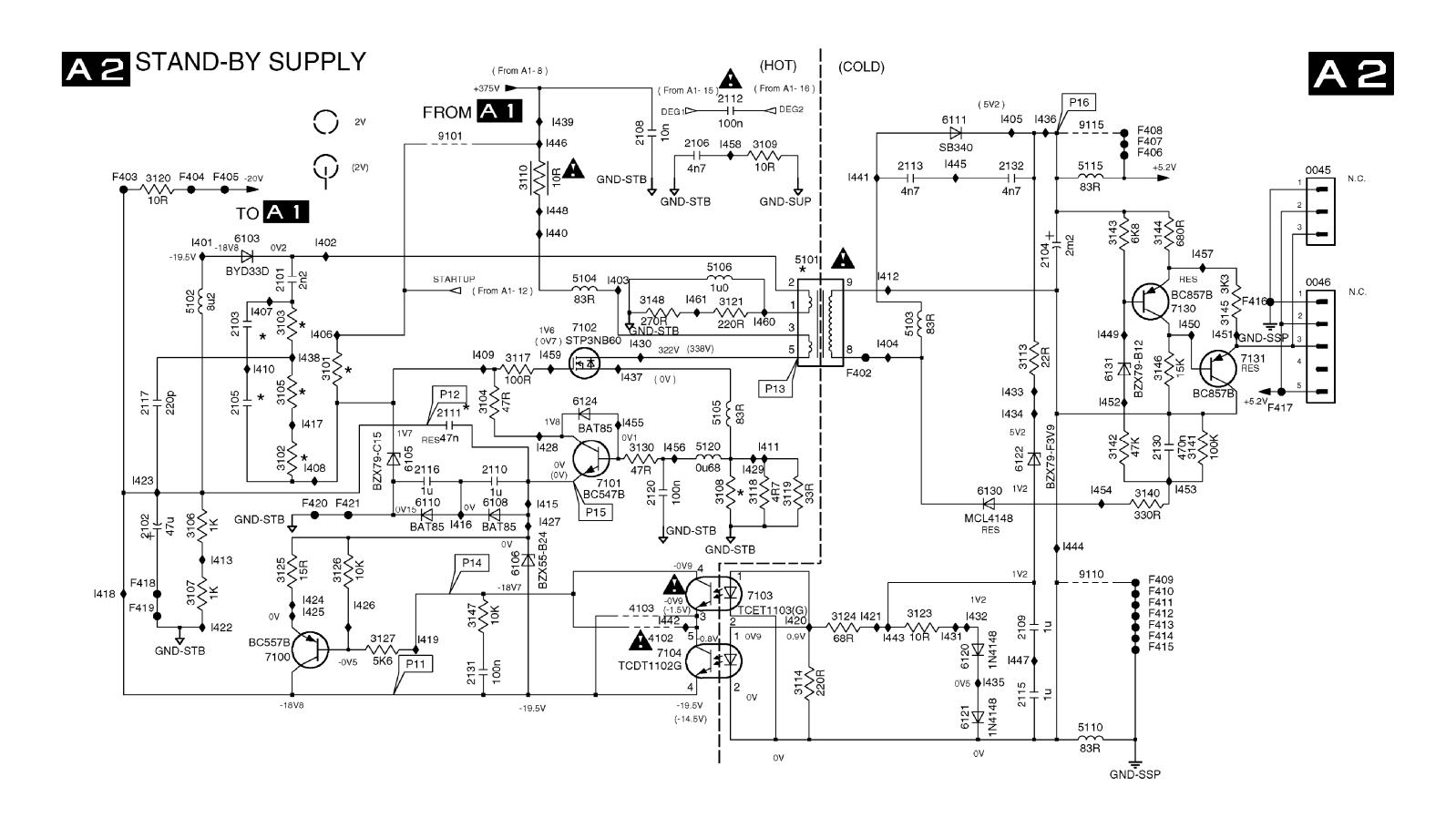


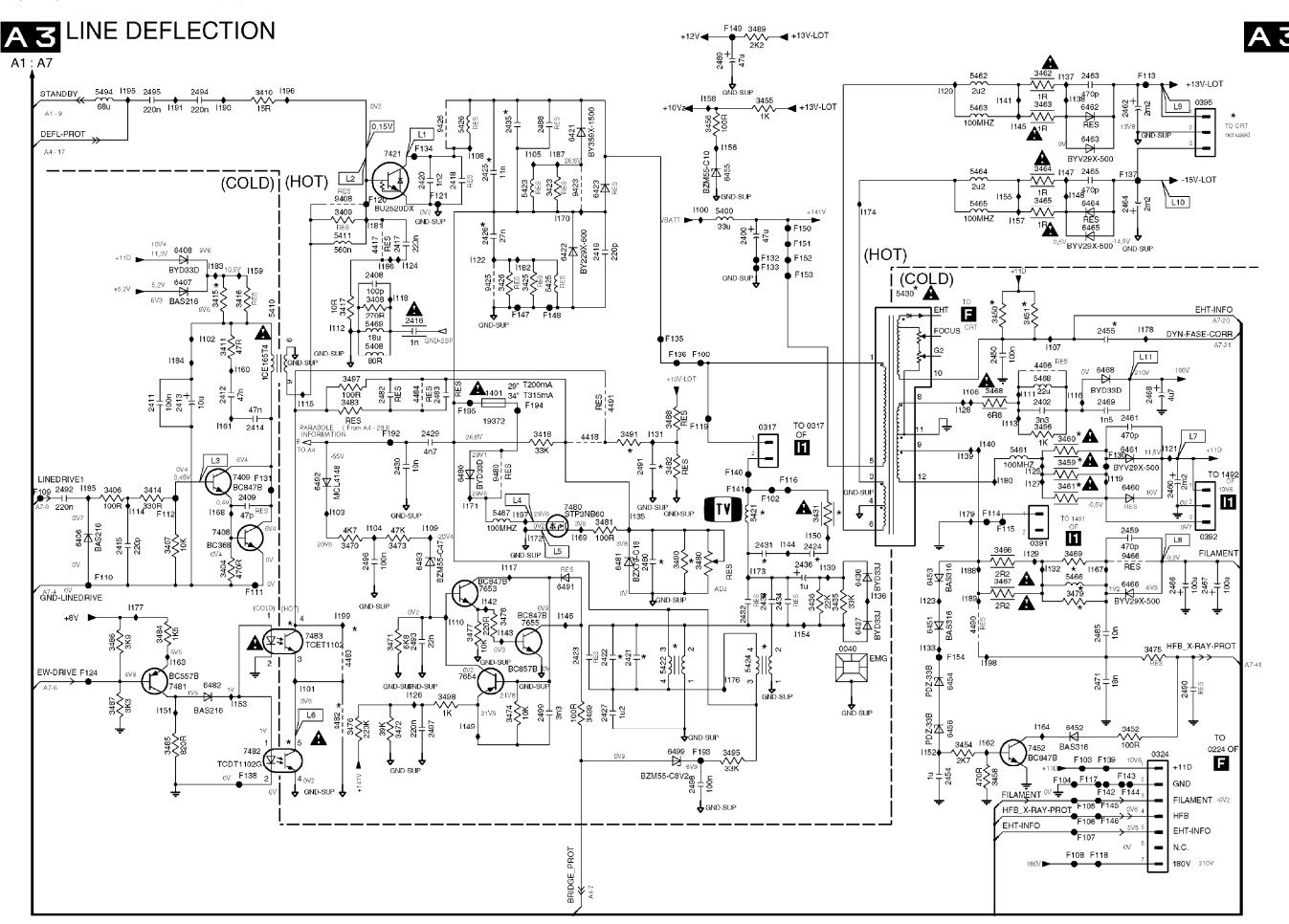




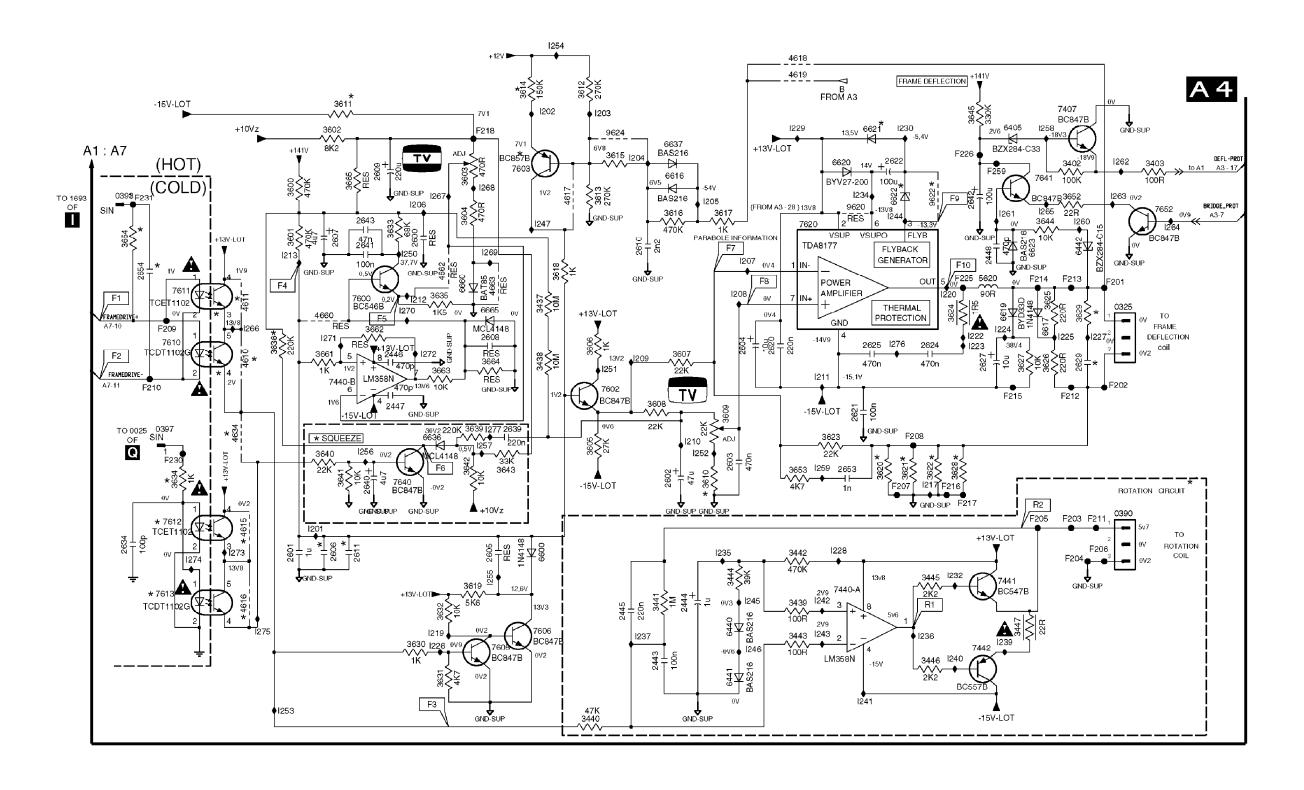
EM1.1U AA(7644)			
500mV / div AC 20ms / div			

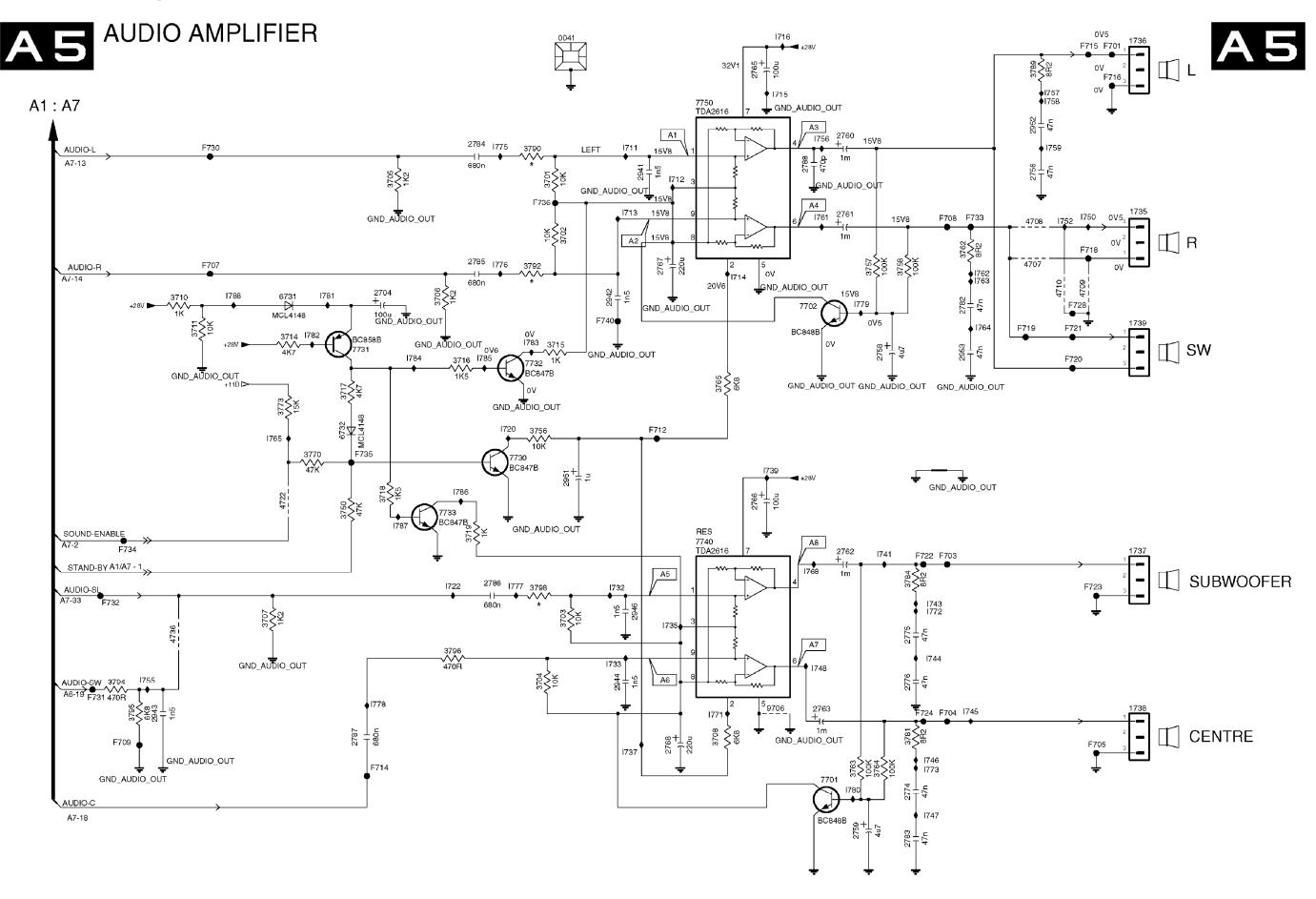


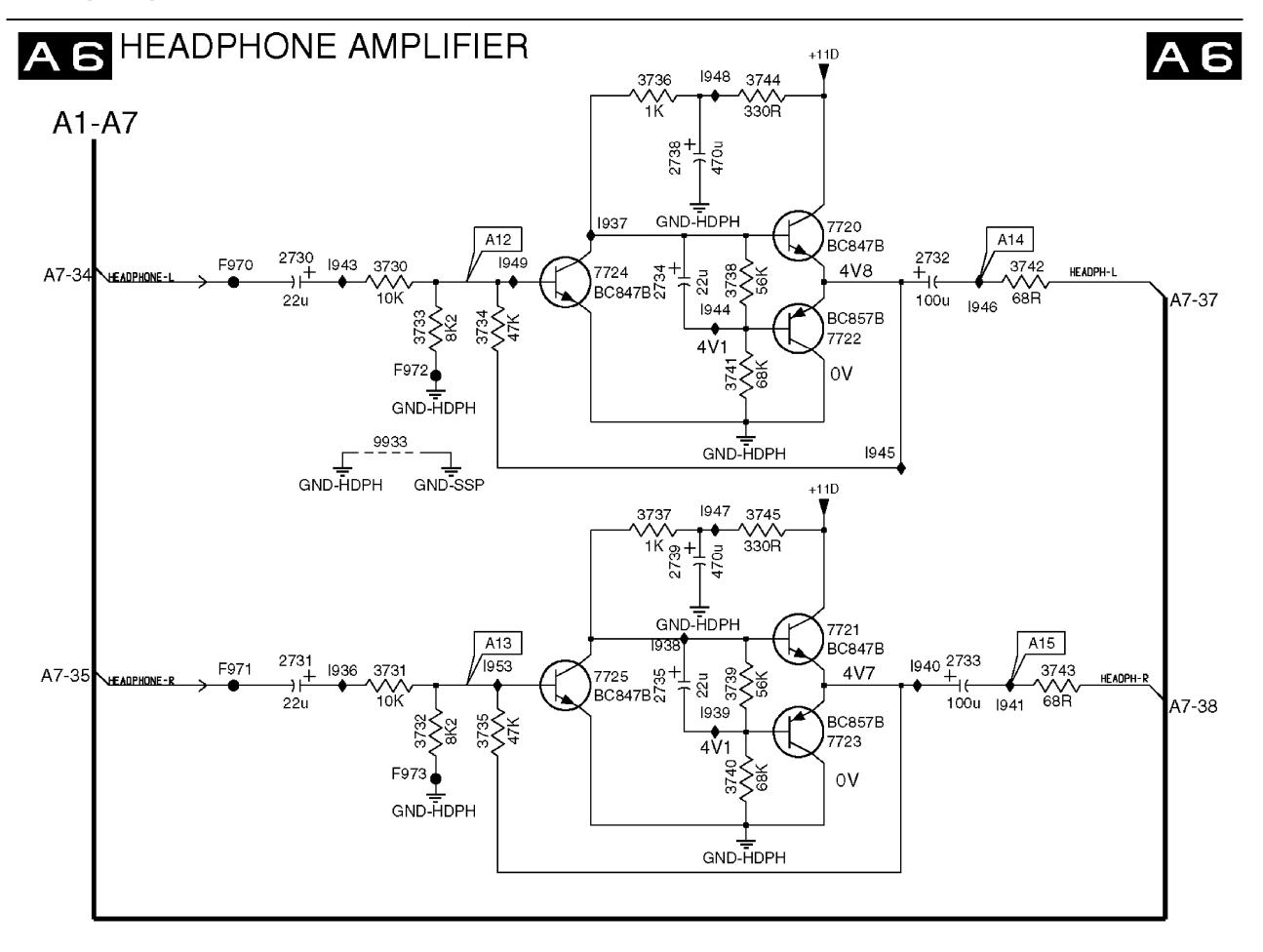


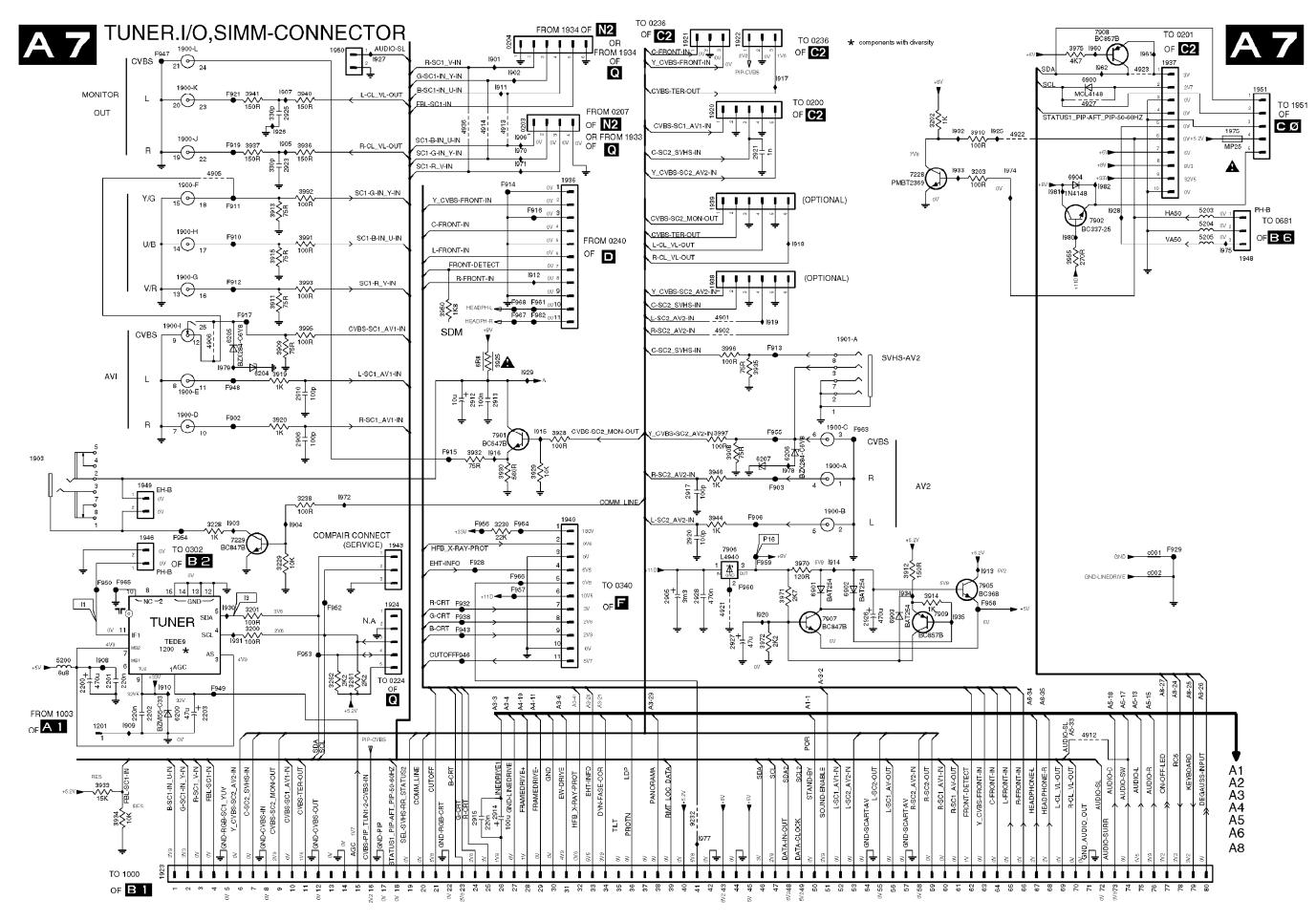


A 4 FRAME DEFLECTION ROTATION

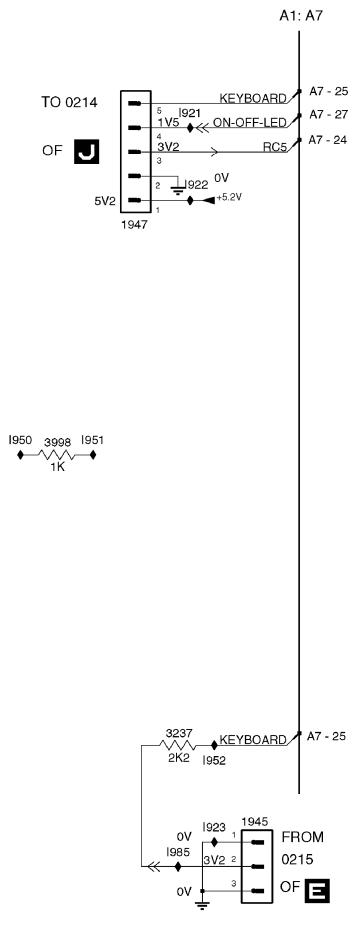


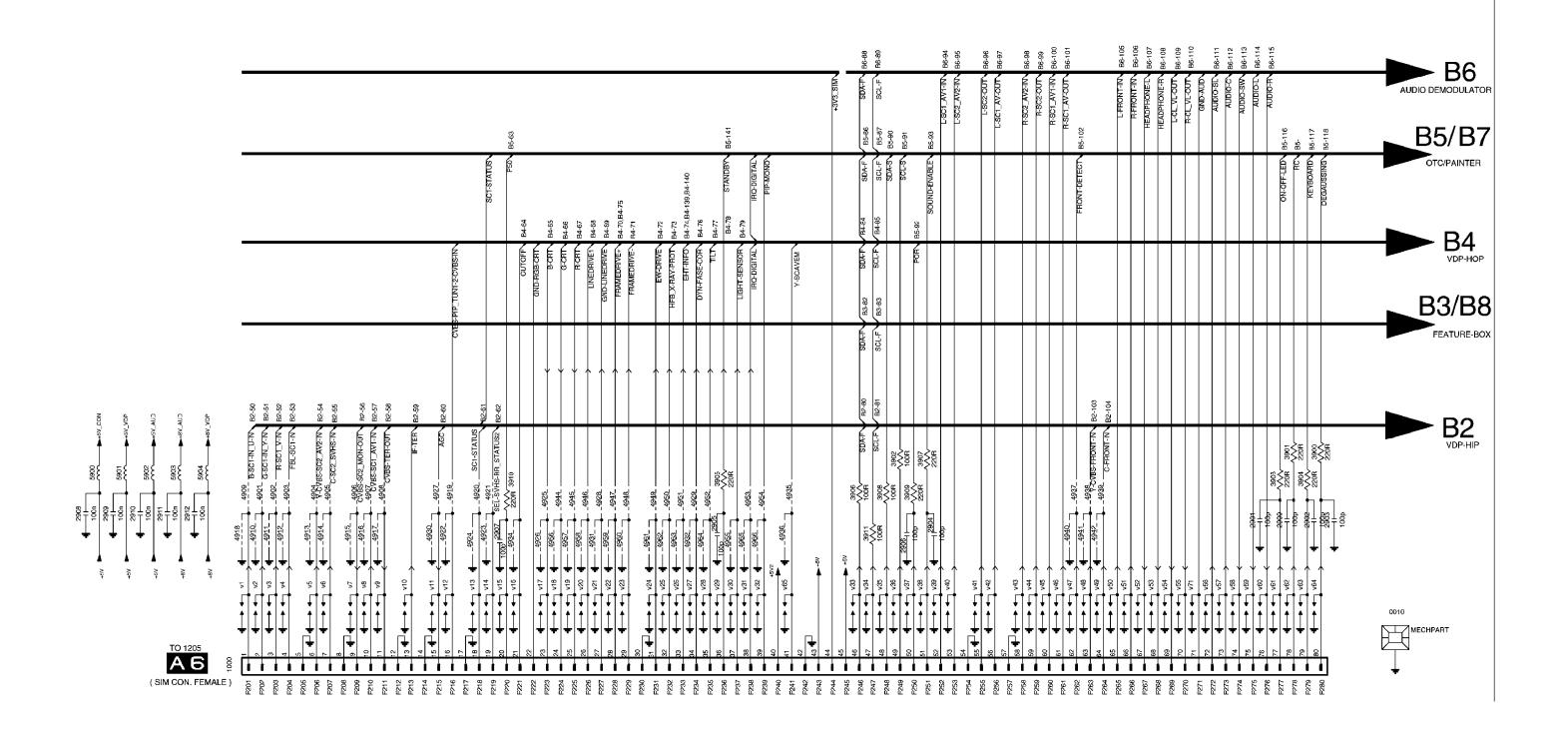


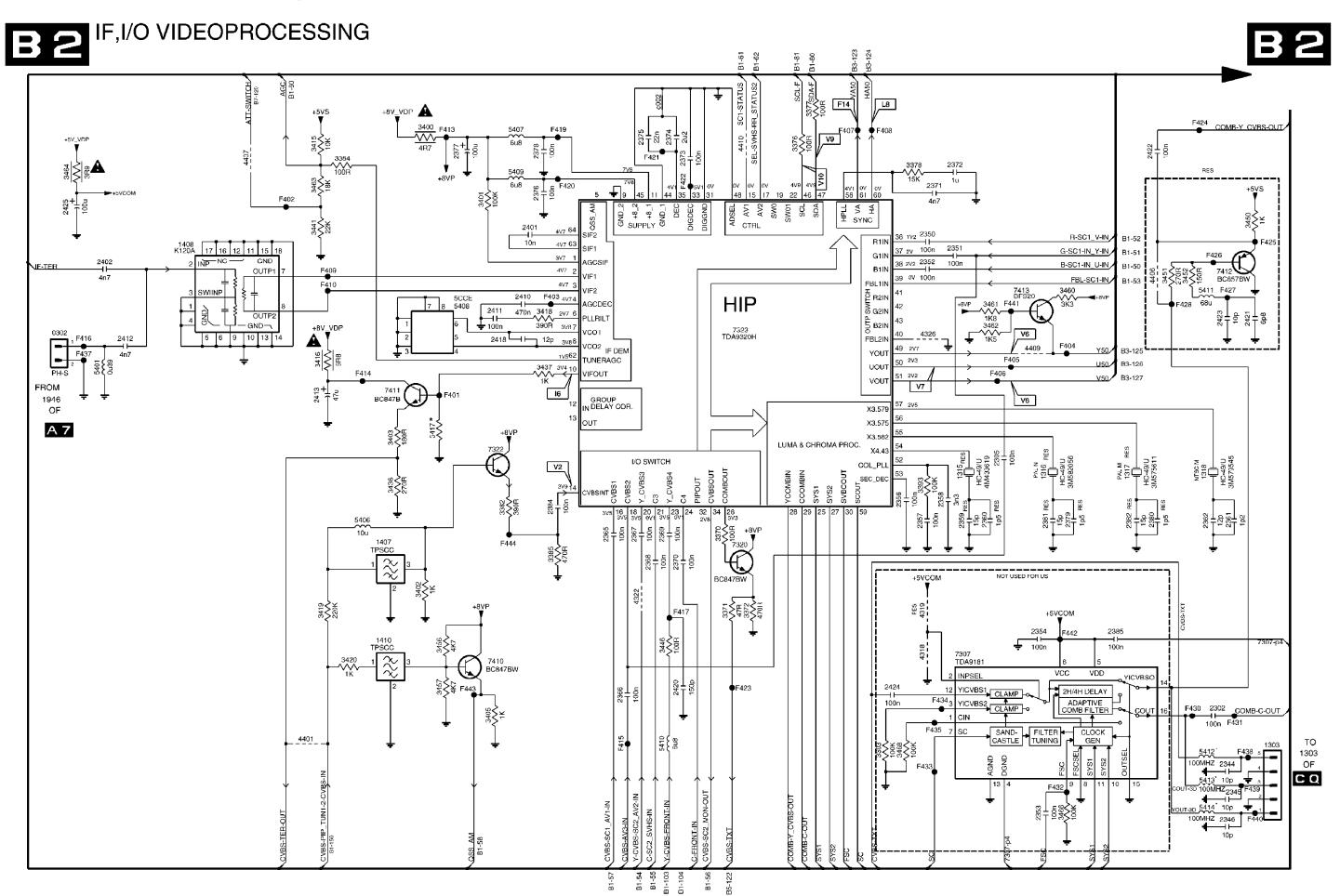




A8 FRONT







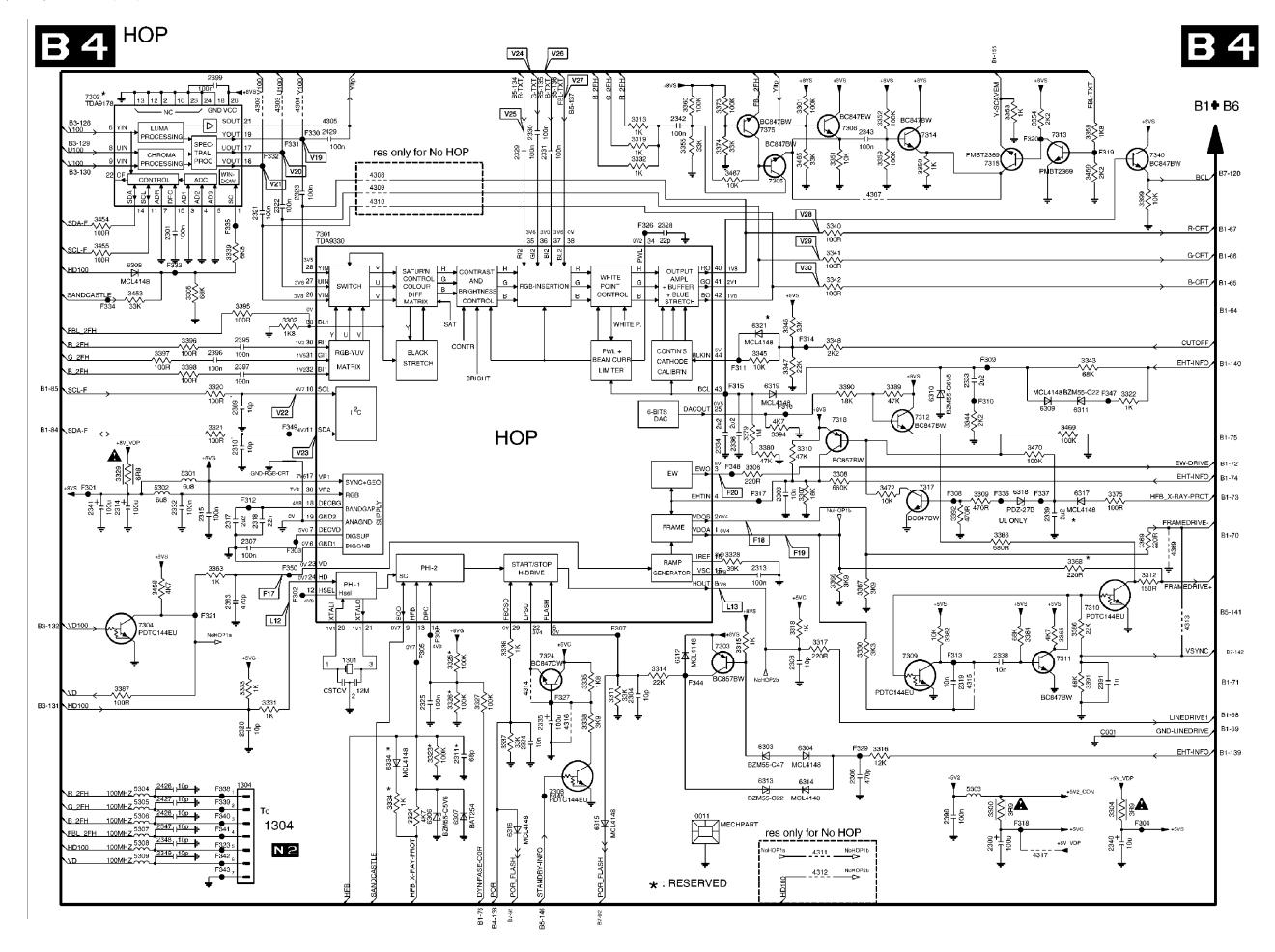
V17

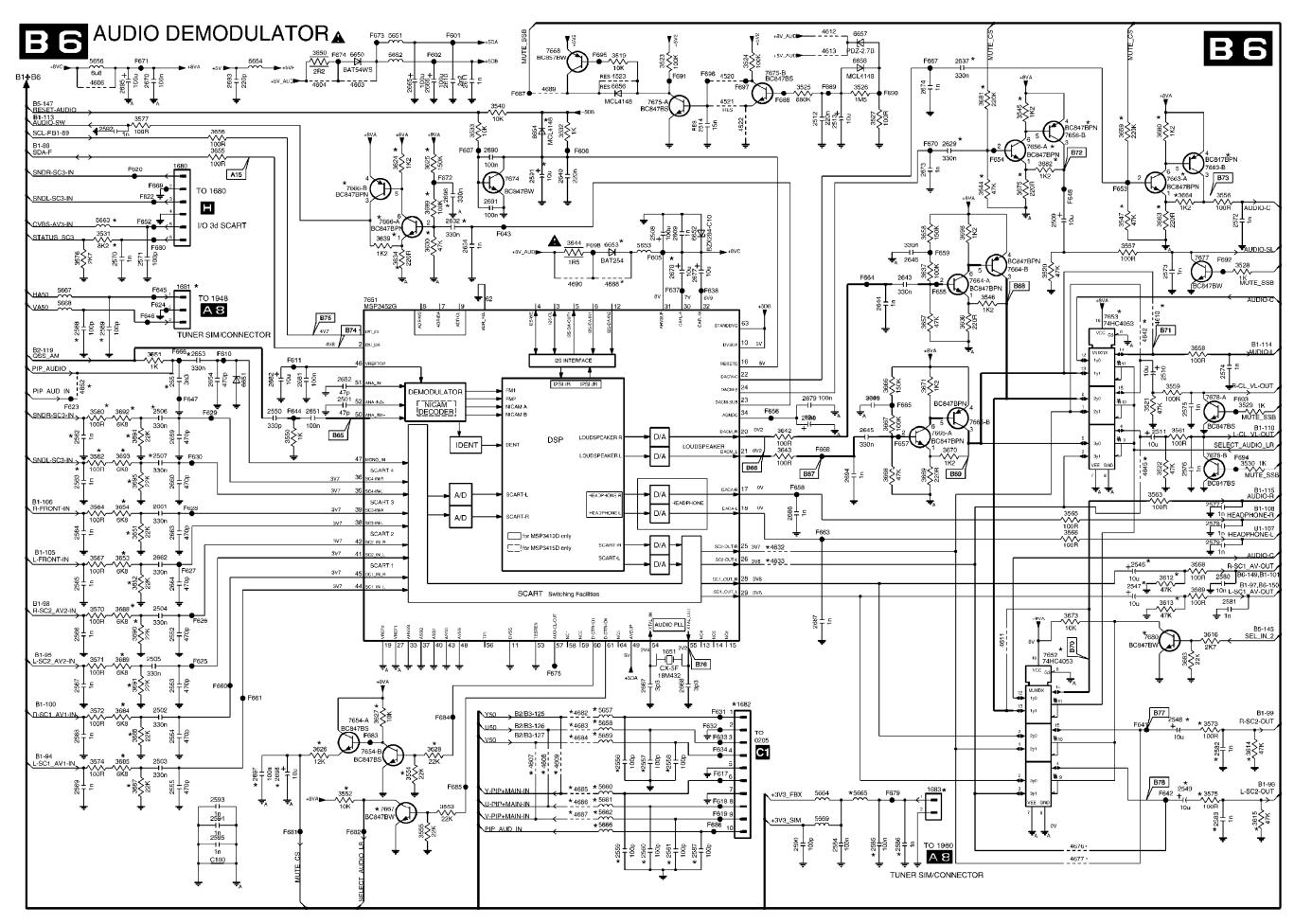
2738 2738

2743

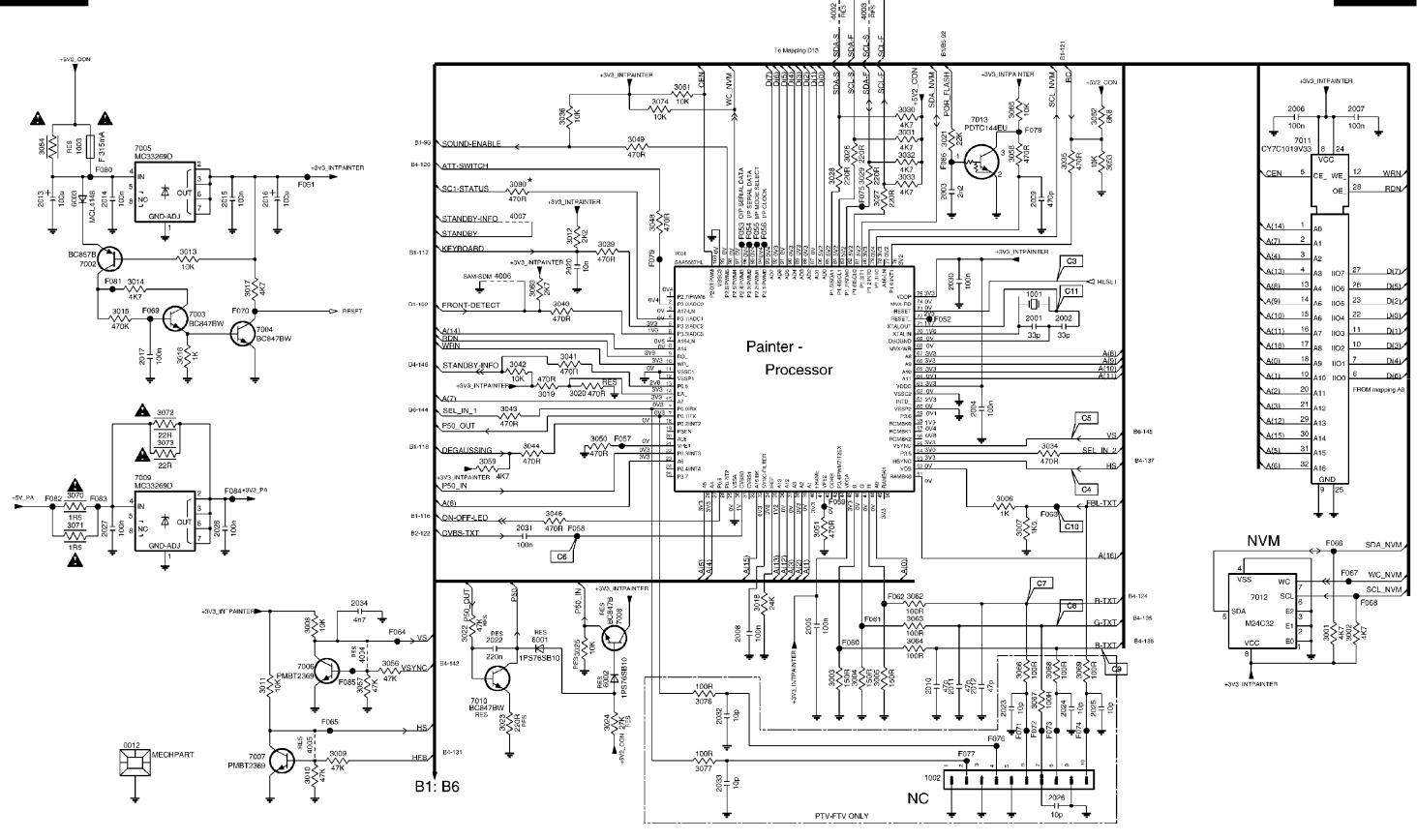
B1**+**B6

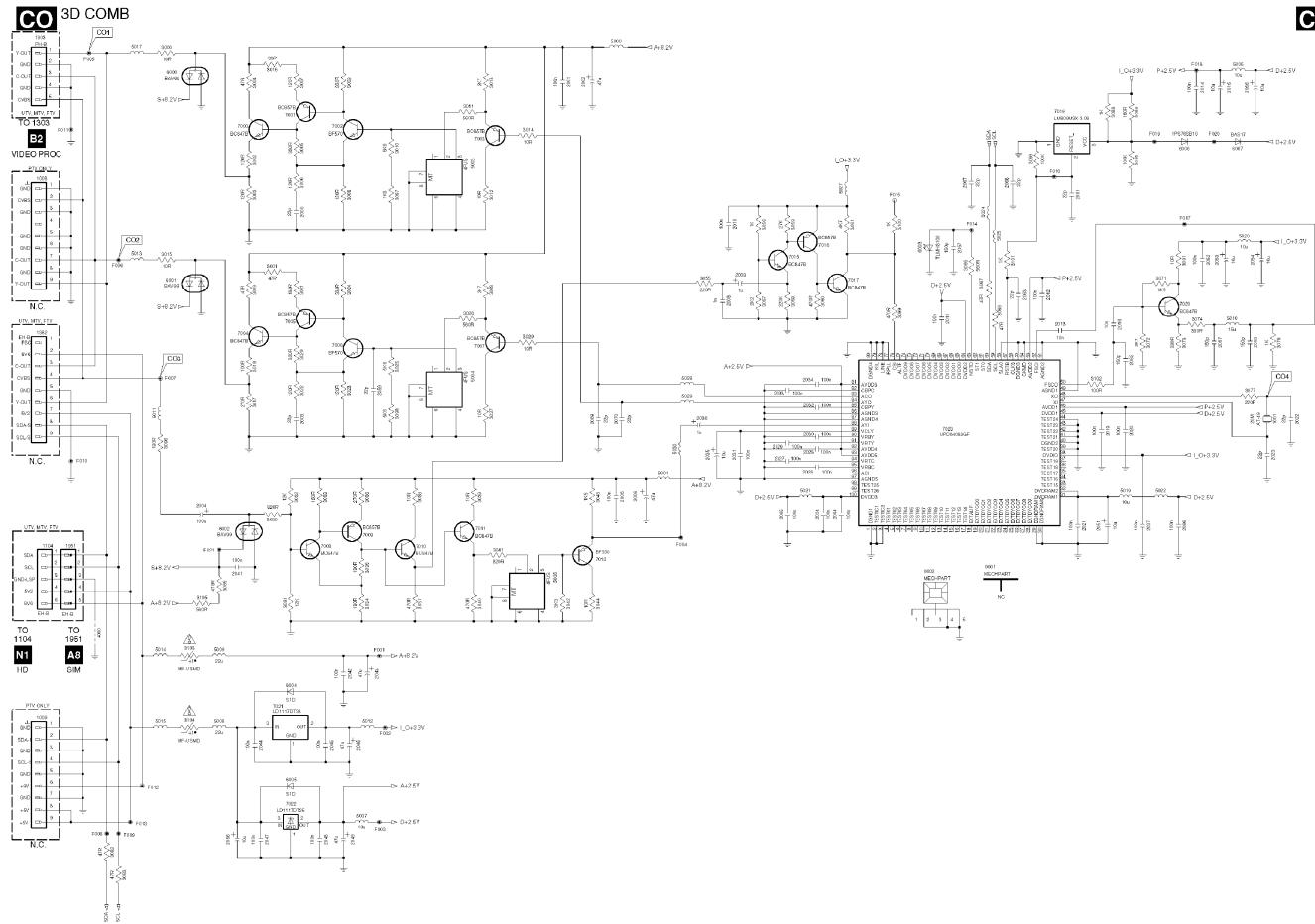
59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 73 74 100n



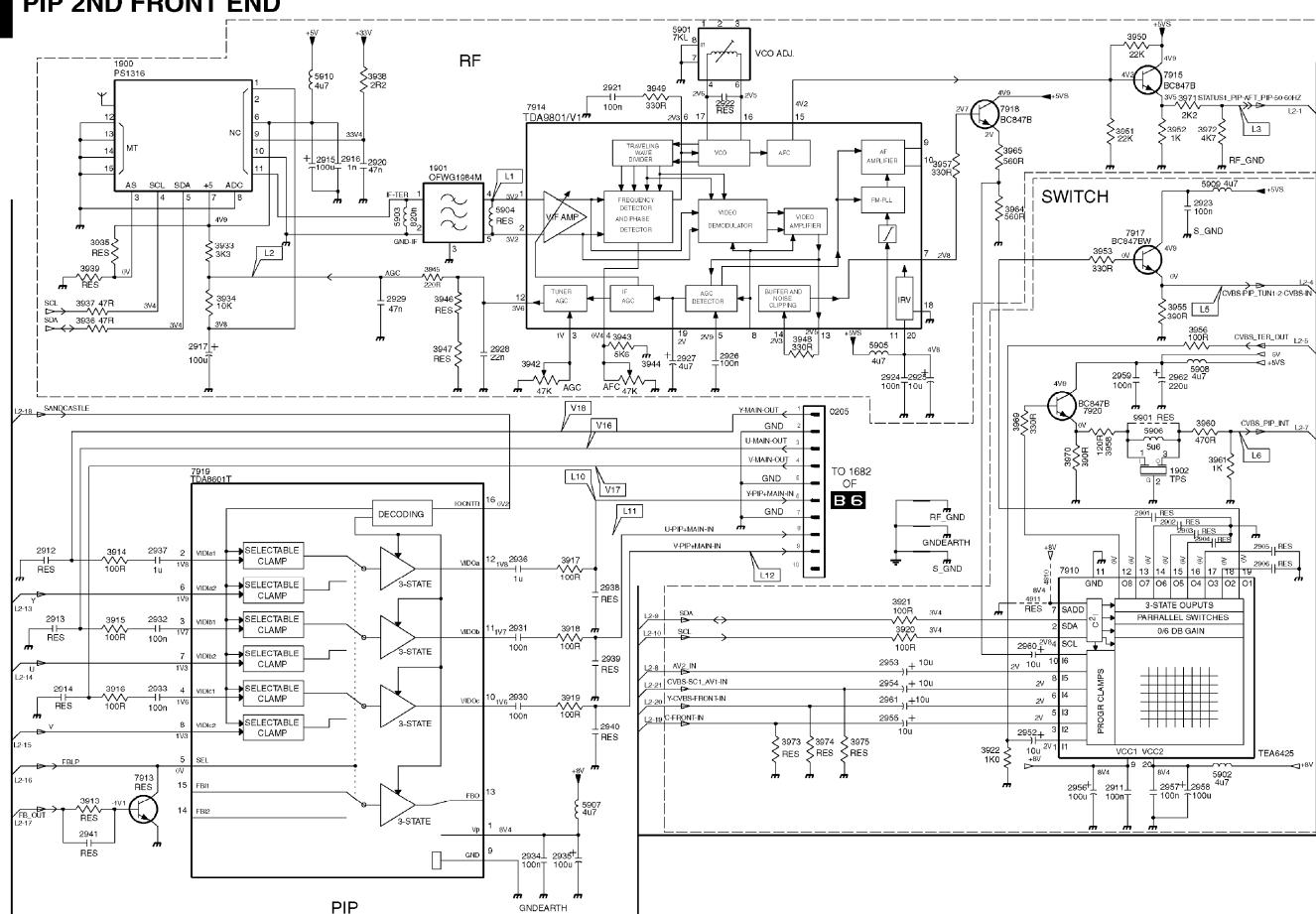


B 7 PAINTER



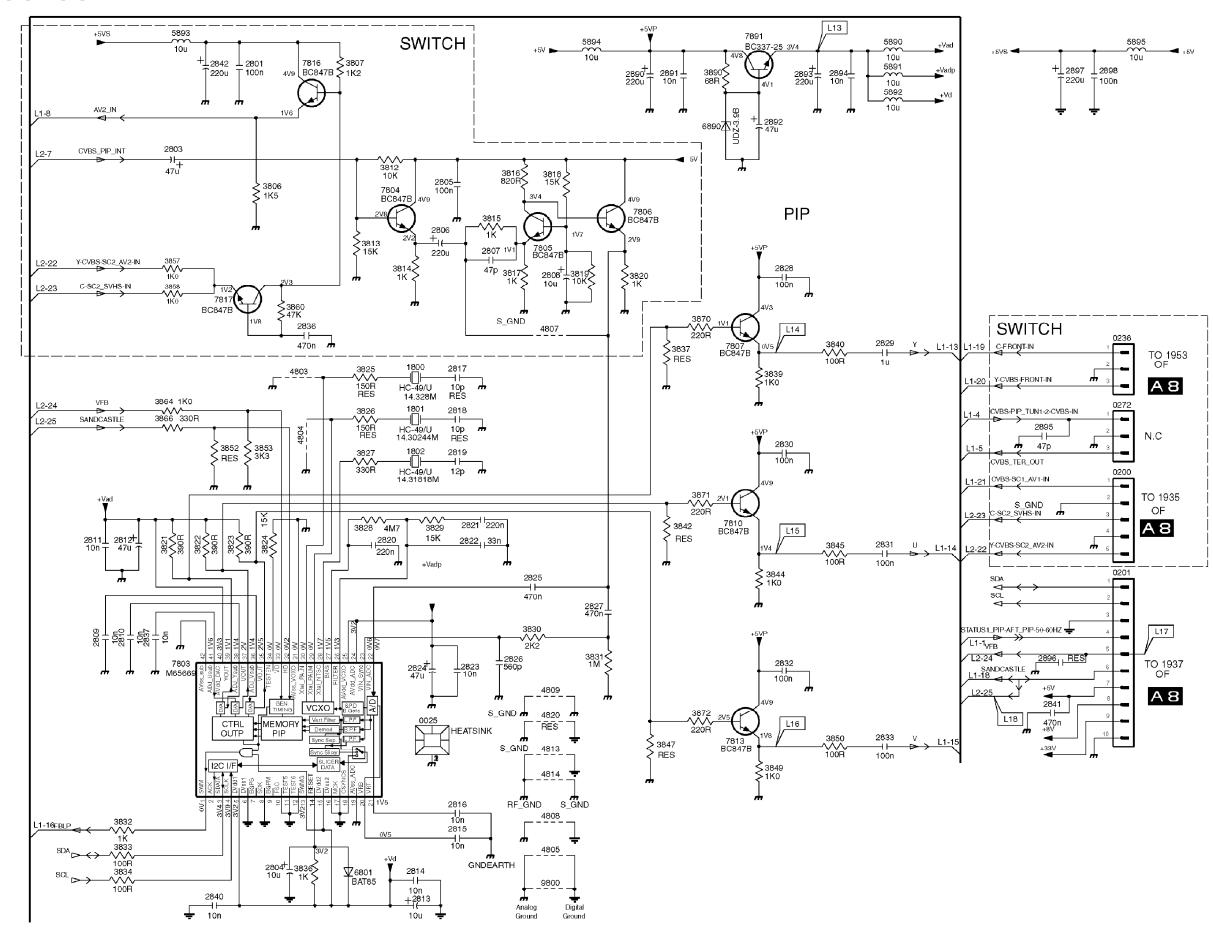


PIP 2ND FRONT END

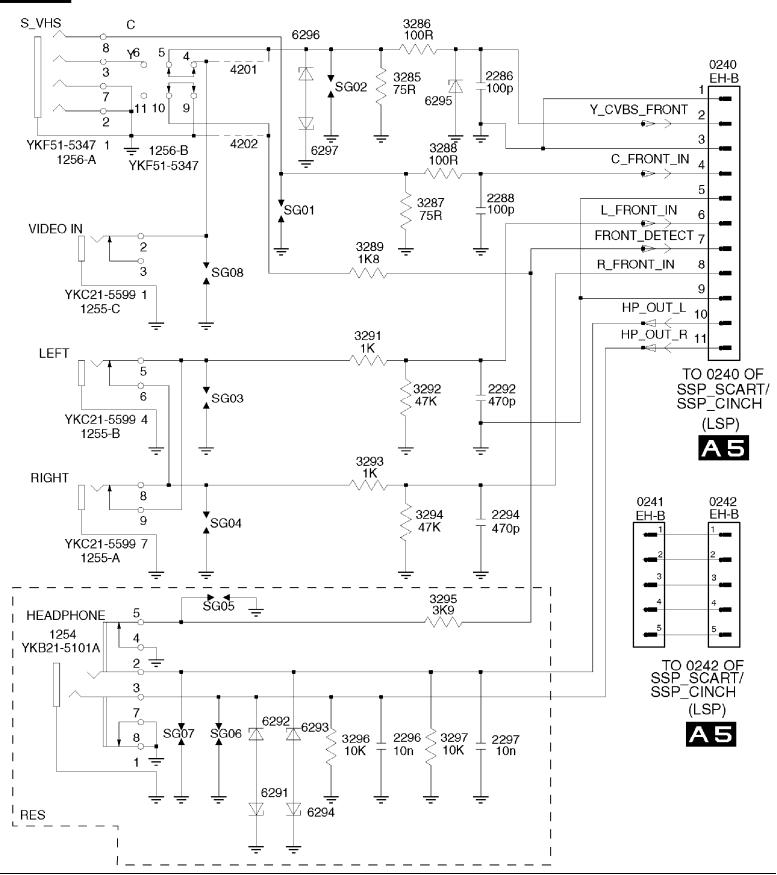




PIP COLOUR

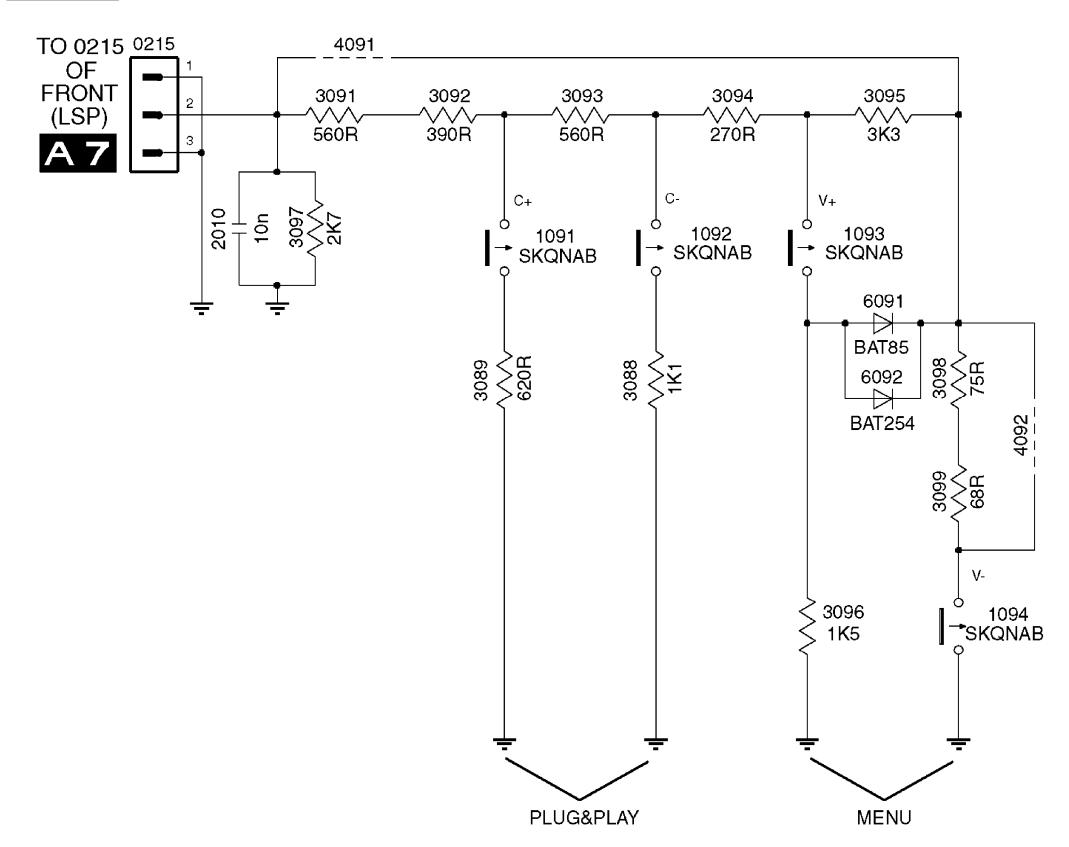


SIDE IO PANEL

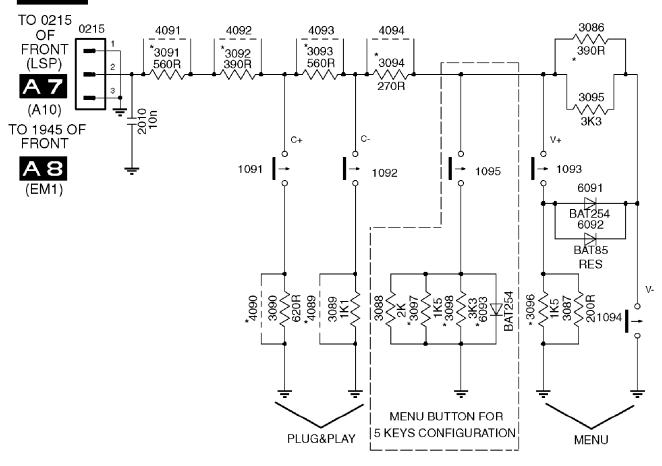


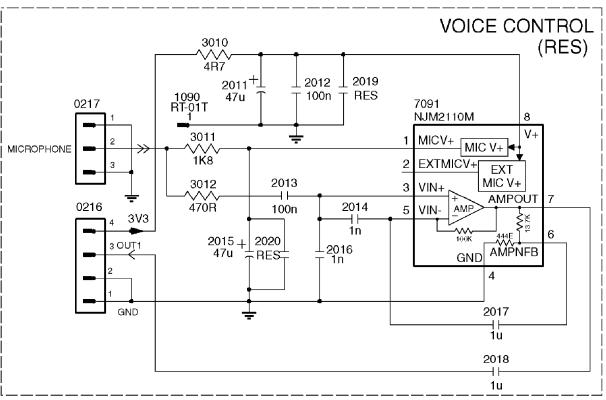


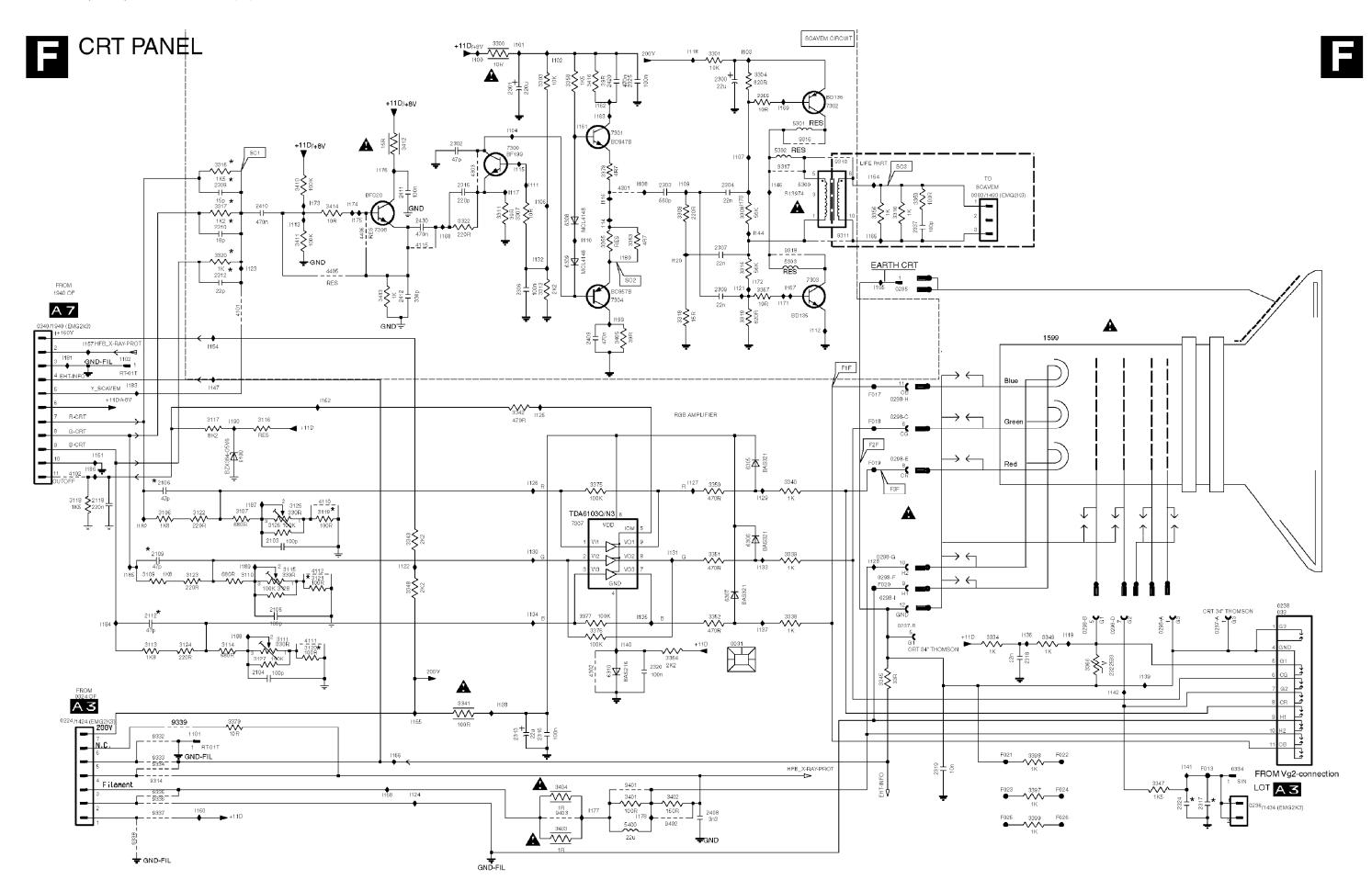
TOP CONTROL PANEL (PV0)



TOP CONTROL PANEL (PV2)

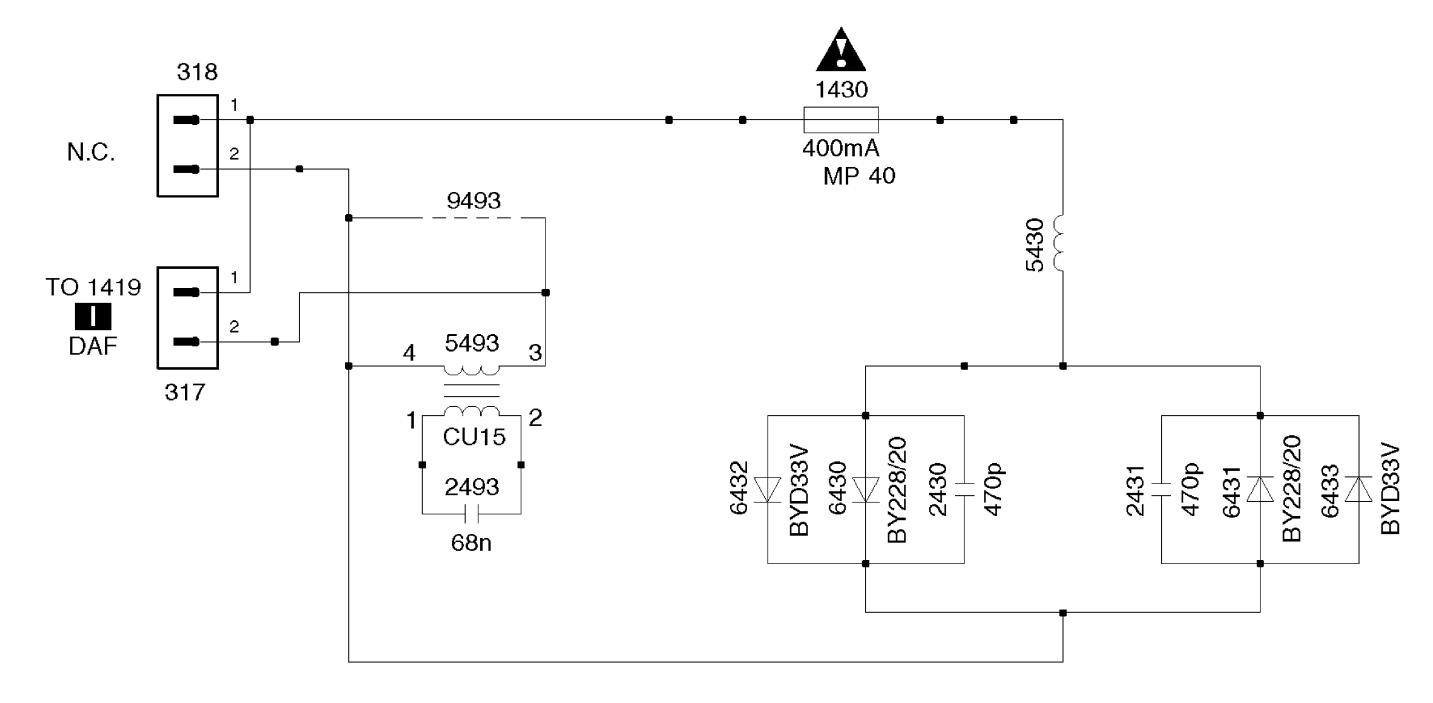


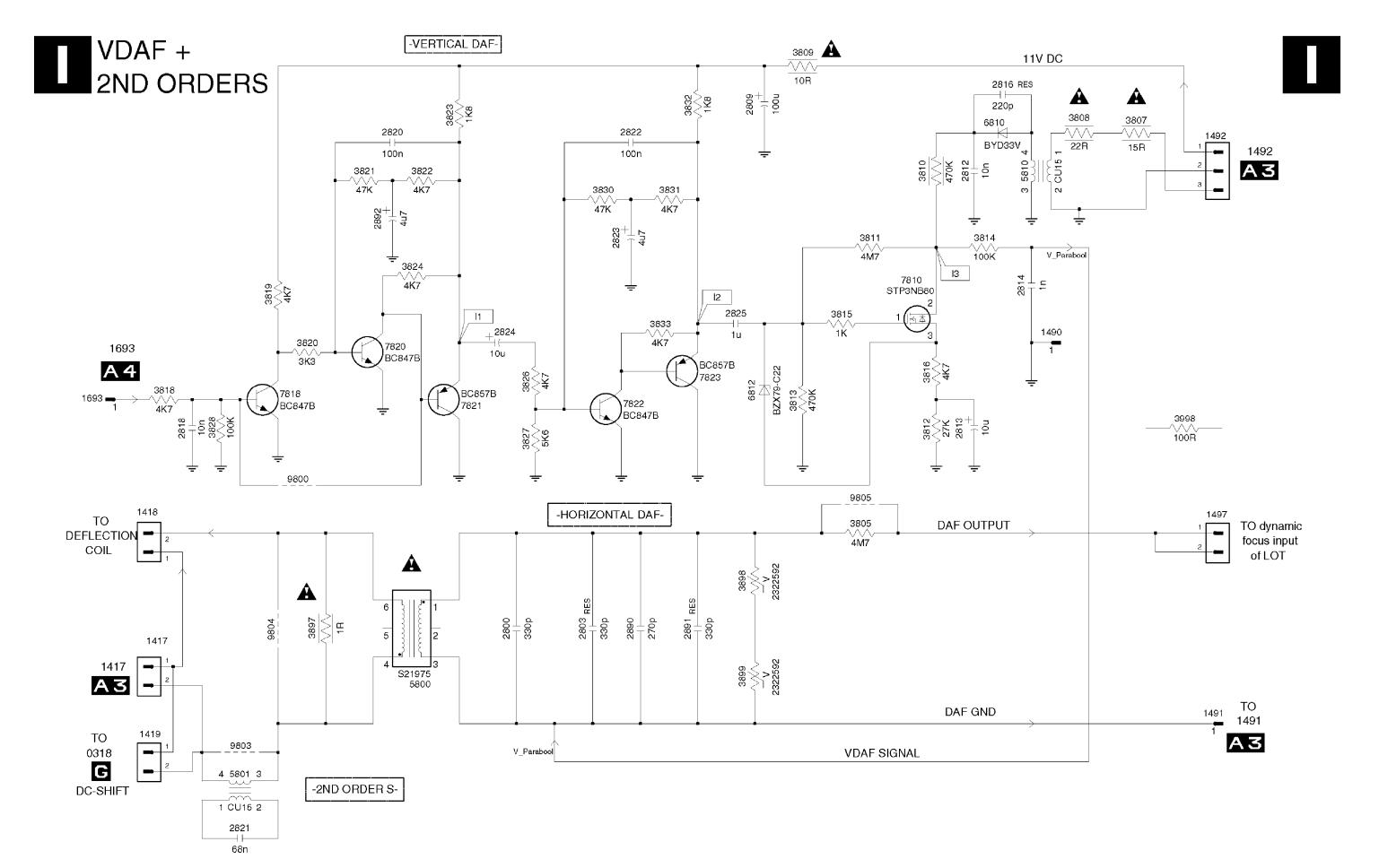




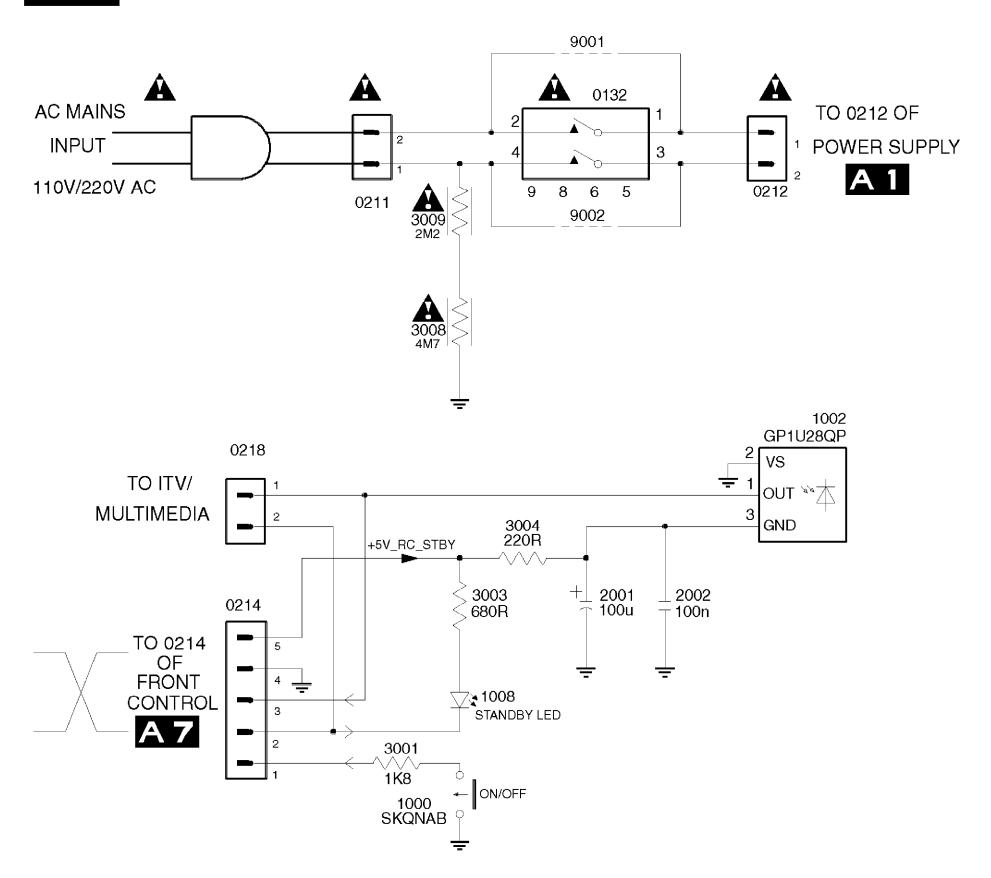




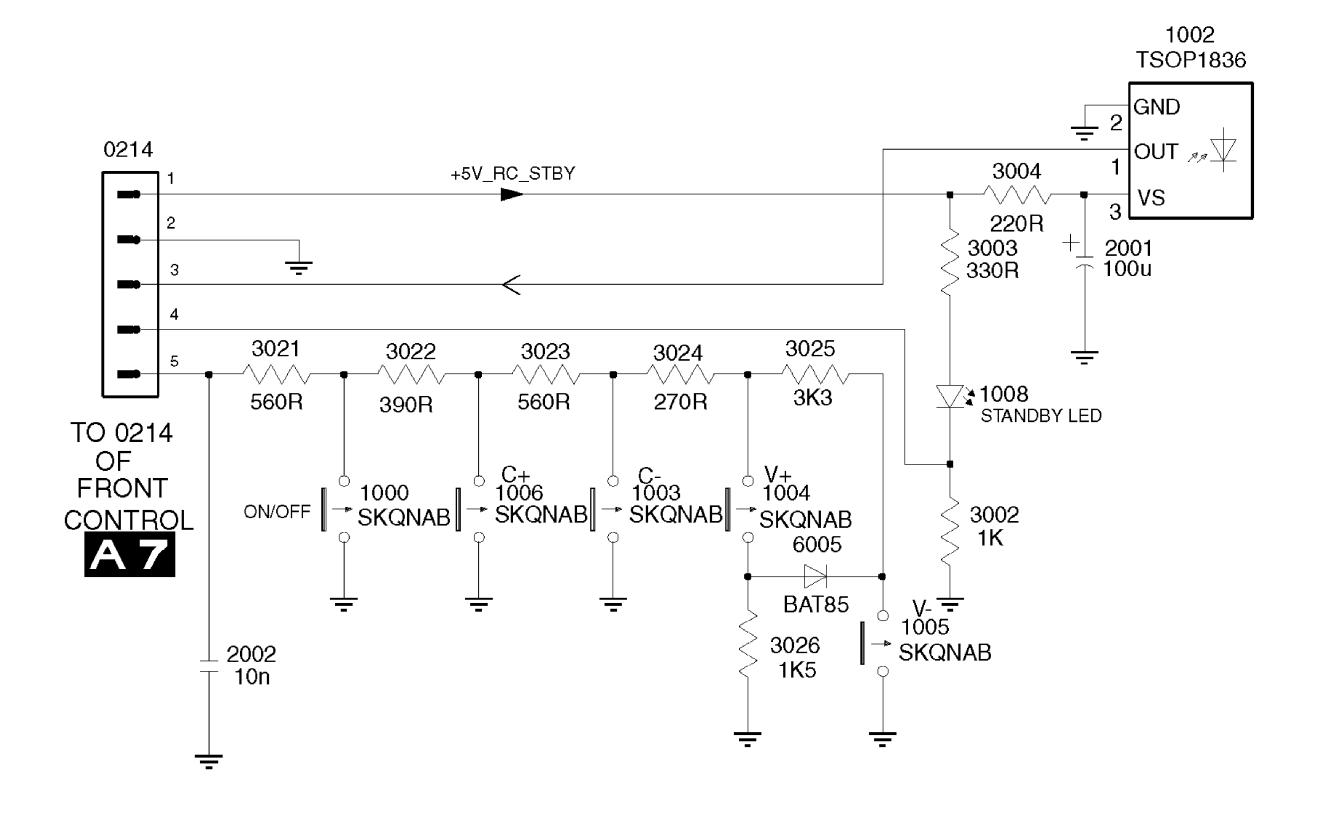




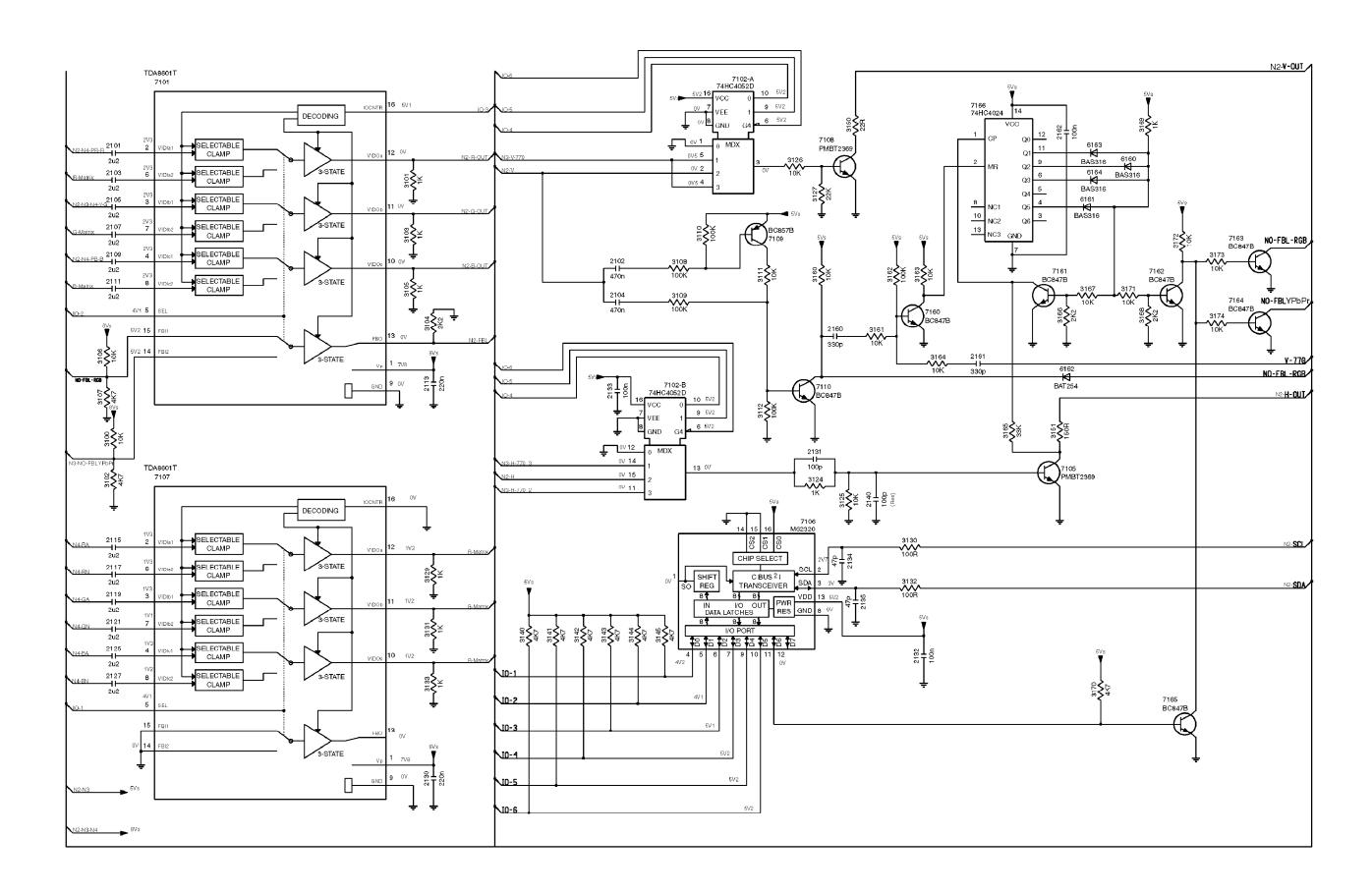
FRONT INTERFACE PANEL (FOR PV0/PV2 STYLING)



FRONT INTERFACE PANEL (FOR SL3 STYLING)

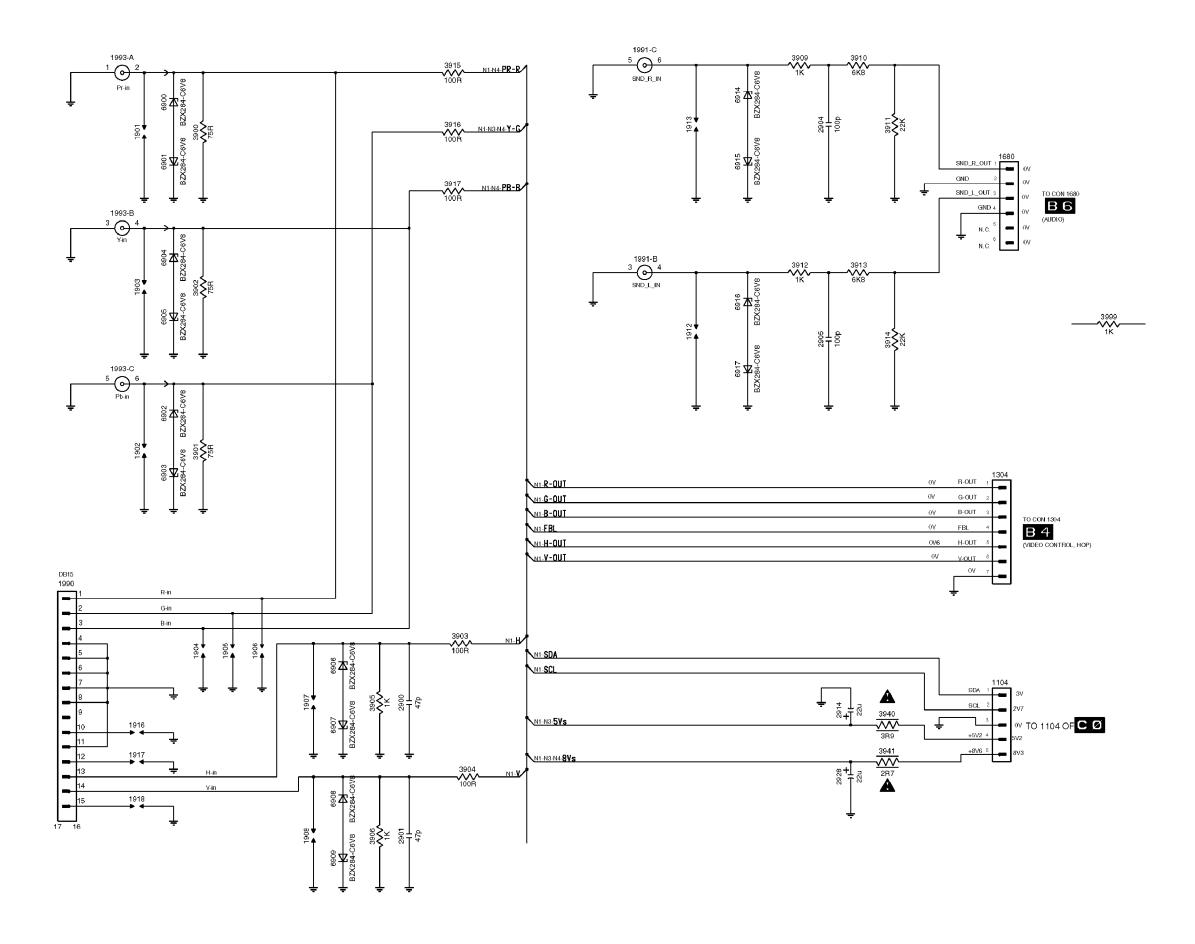


1 CONTROL JACK-HIGH DEFINITION INTERFACE (FOR NO PIP)

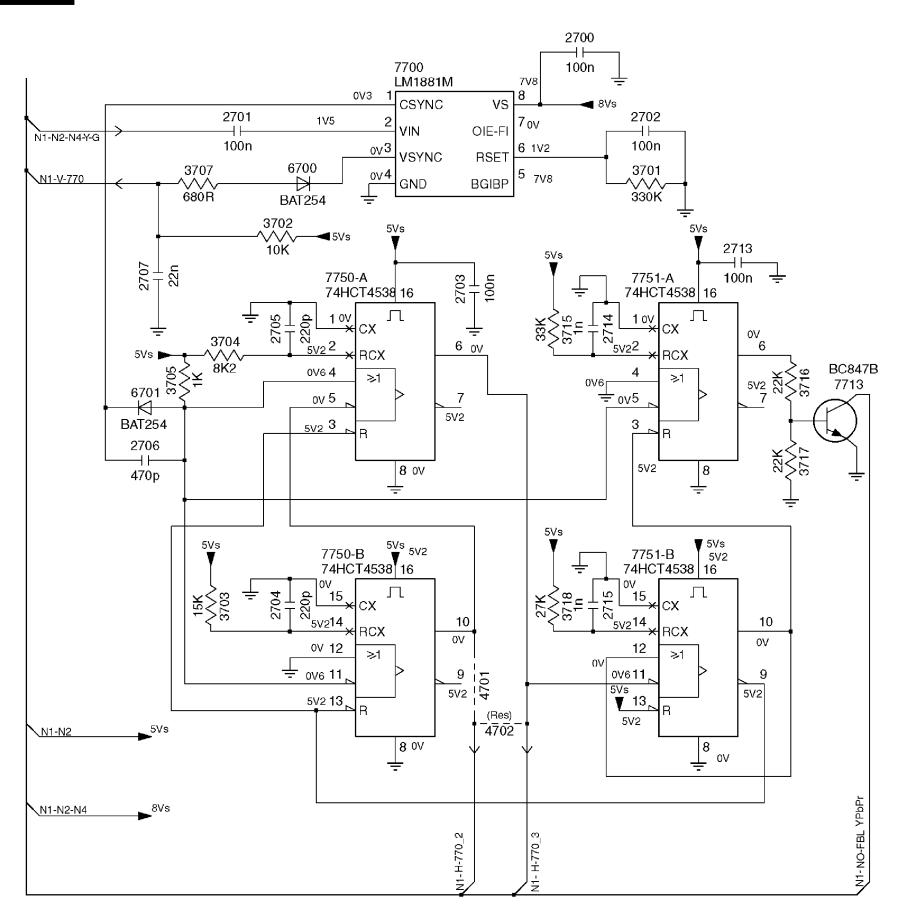


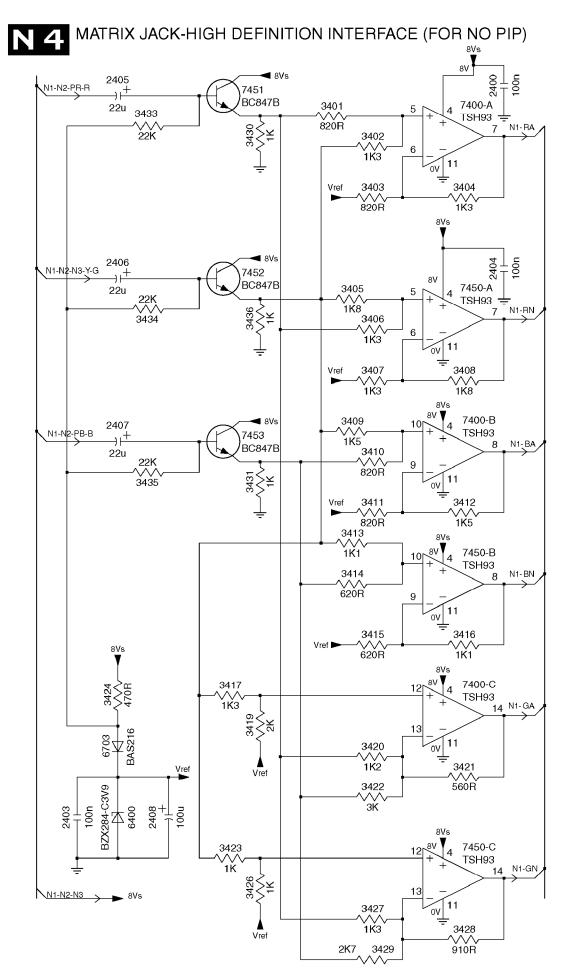
N 2

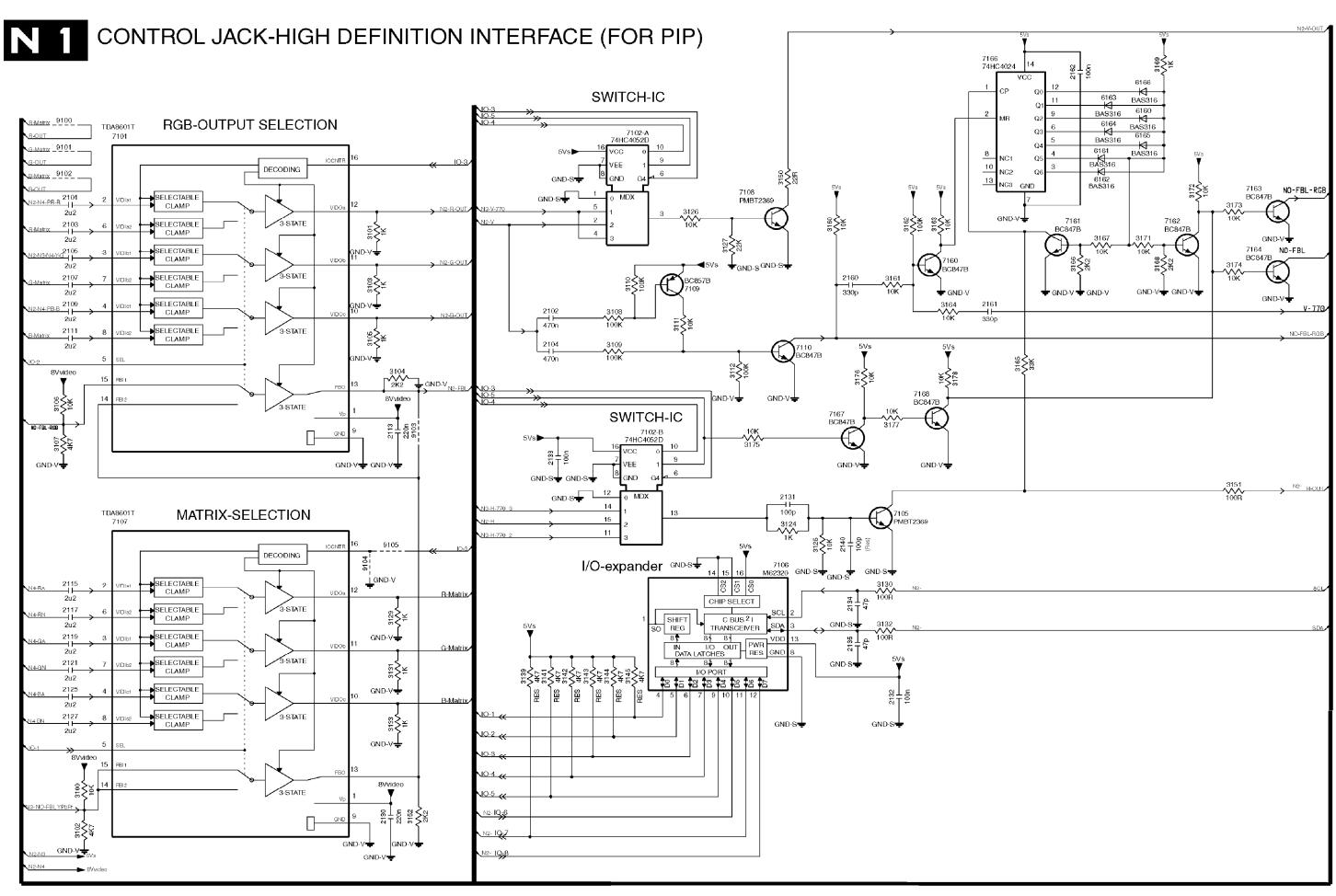
INPUTS/OUTPUTS JACK-HIGH DEFINITION INTERFACE (FOR NO PIP)

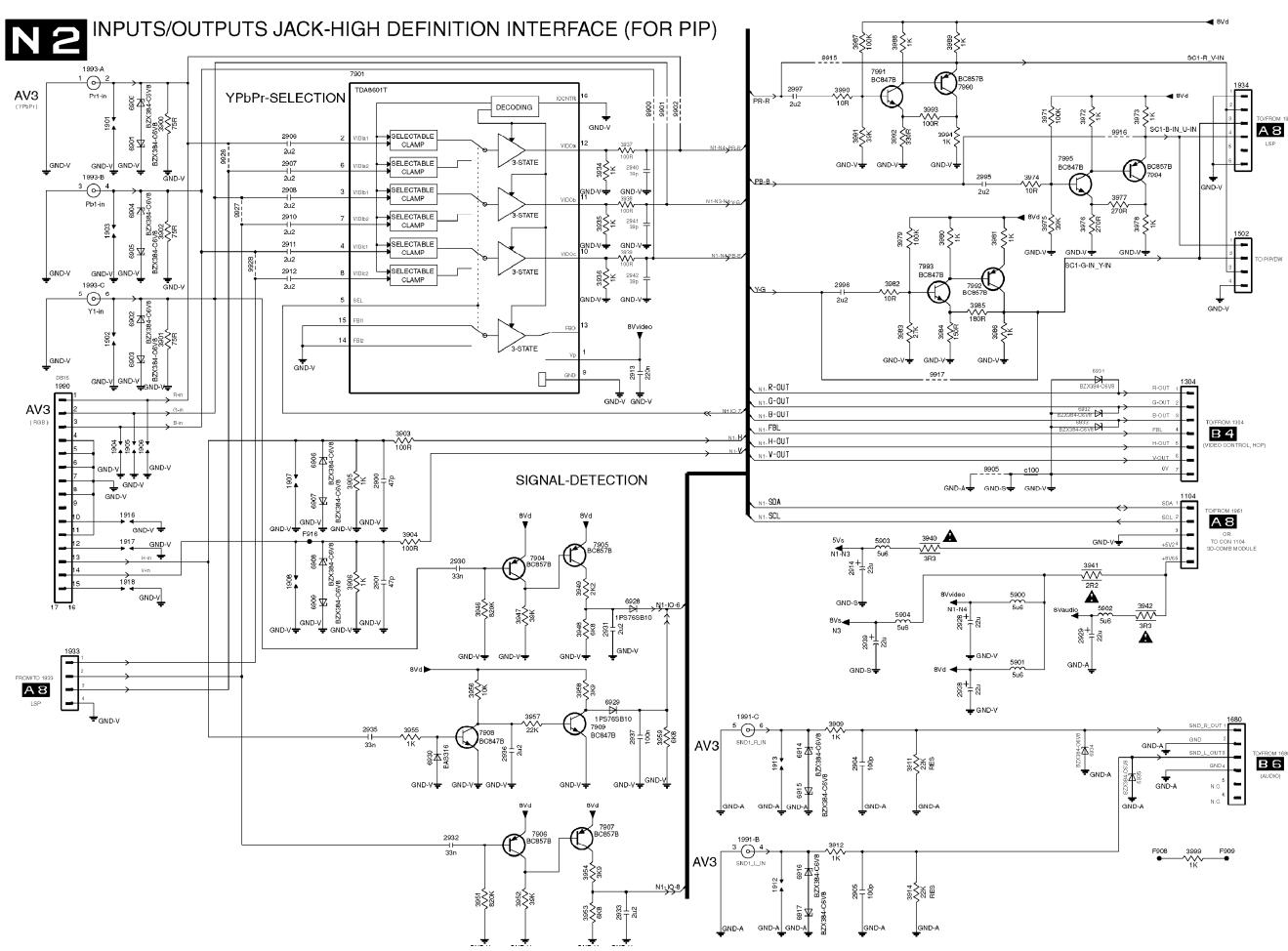


N 3 SYNC SLICER JACK- HIGH DEFINITION INTERFACE (FOR NO PIP)

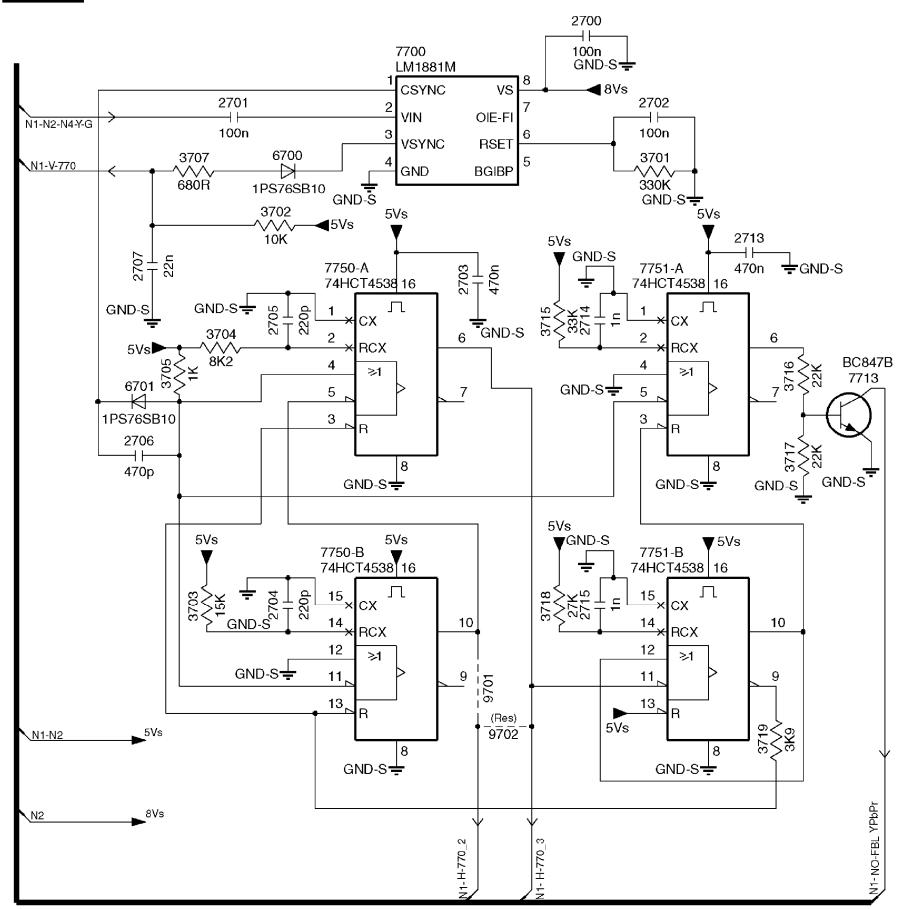


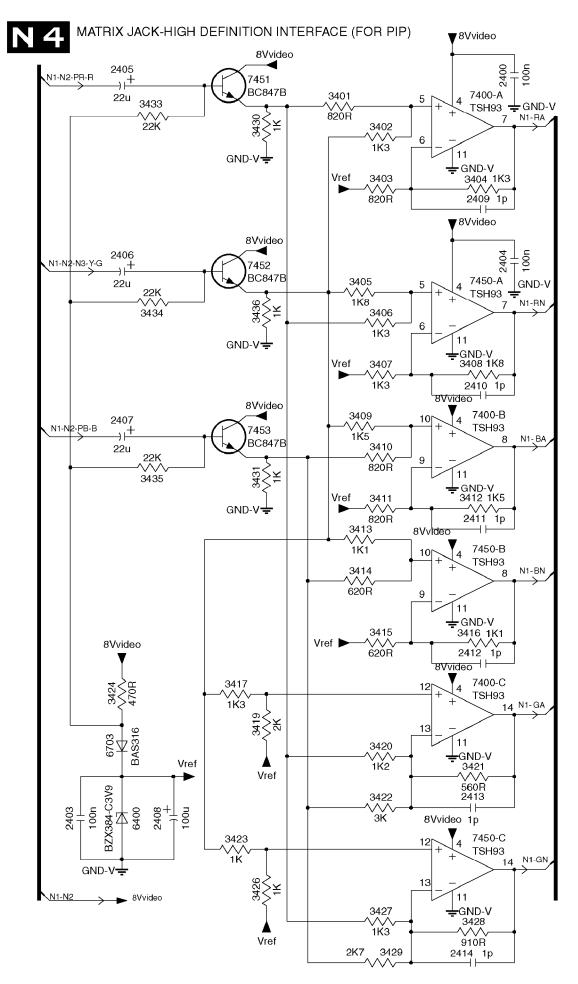


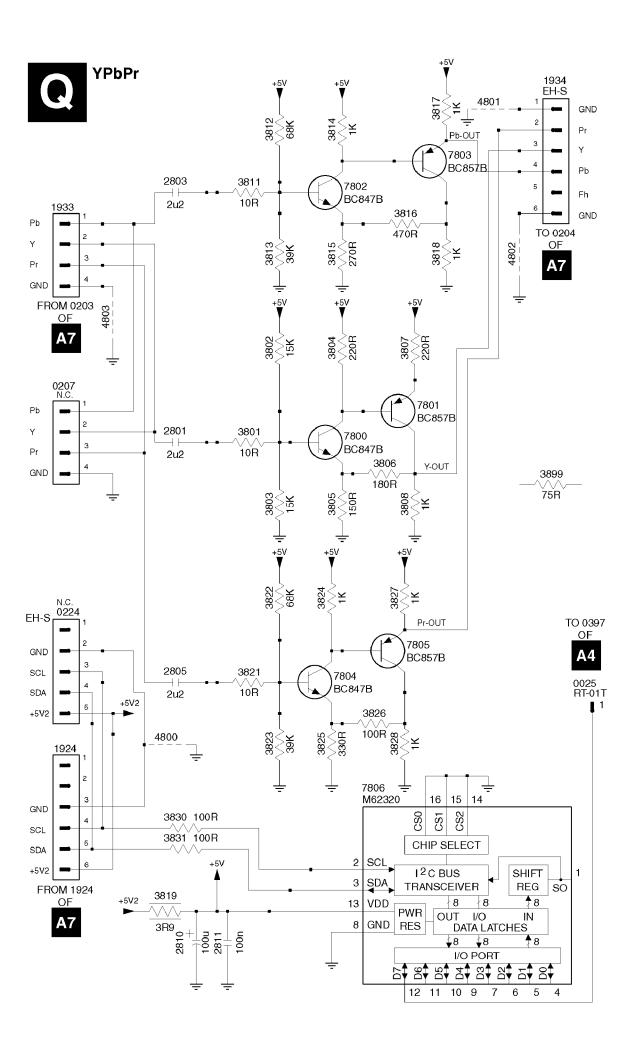


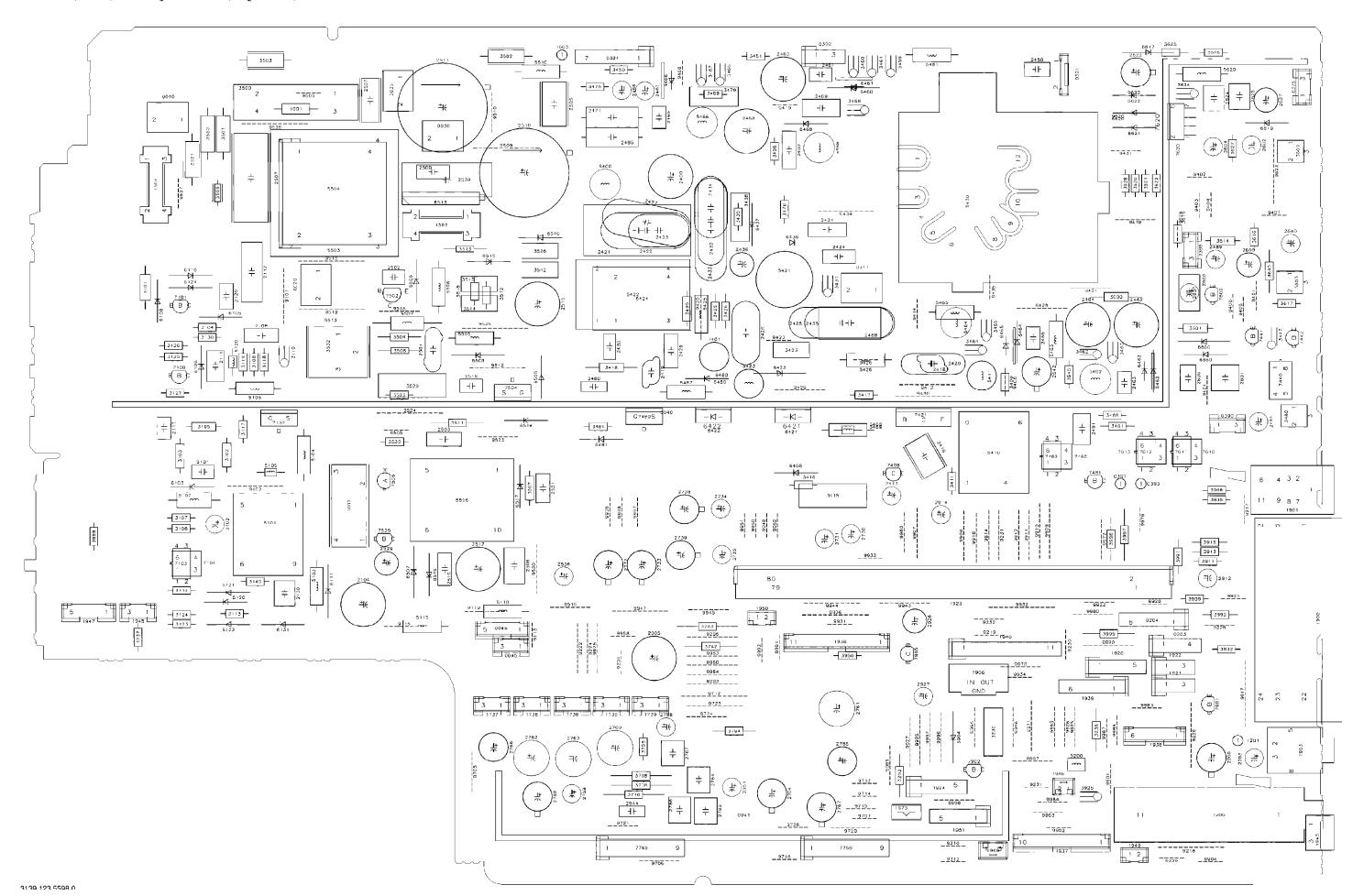


N 3 SYNC SLICER JACK- HIGH DEFINITION INTERFACE (FOR PIP)

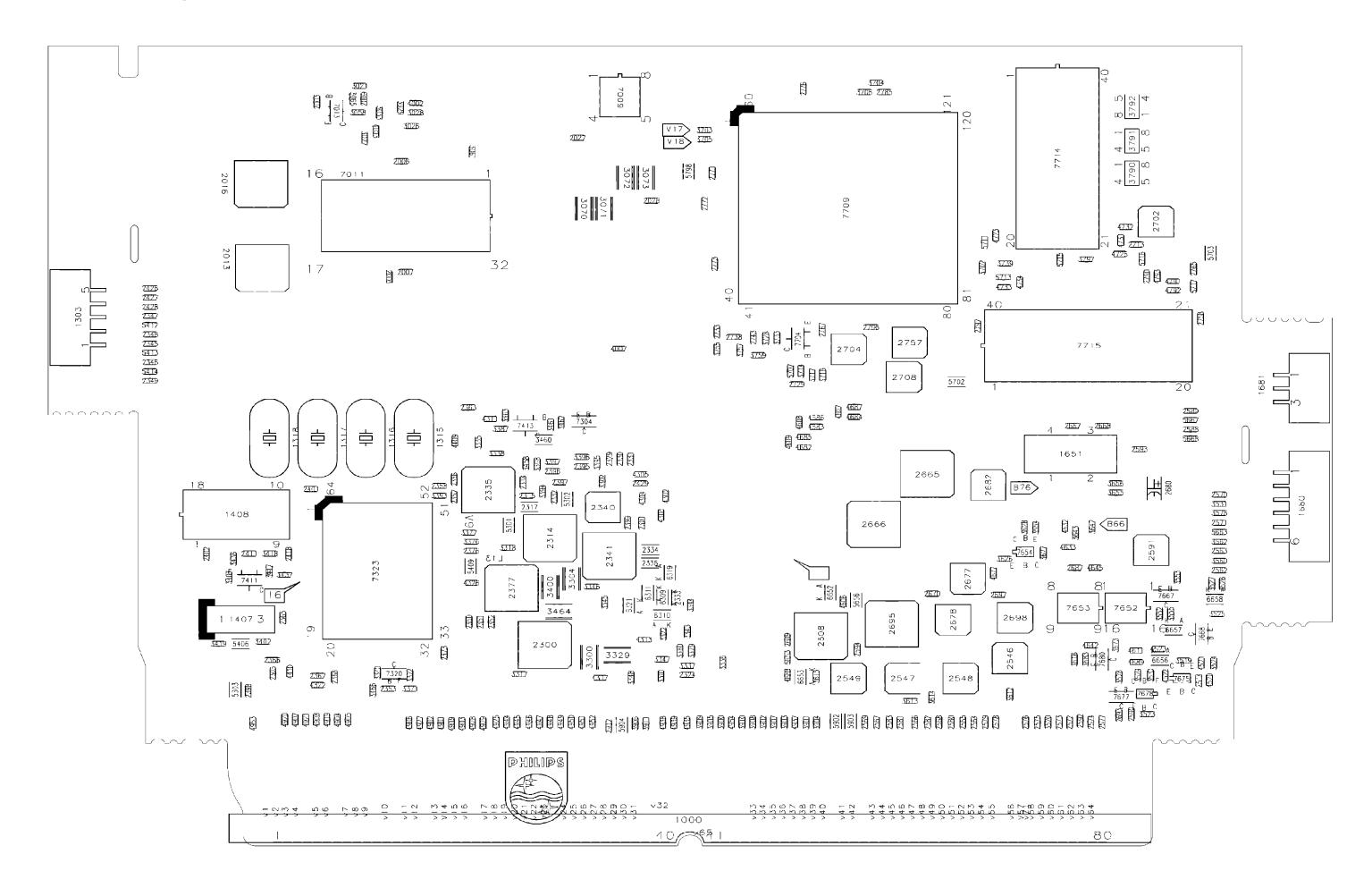


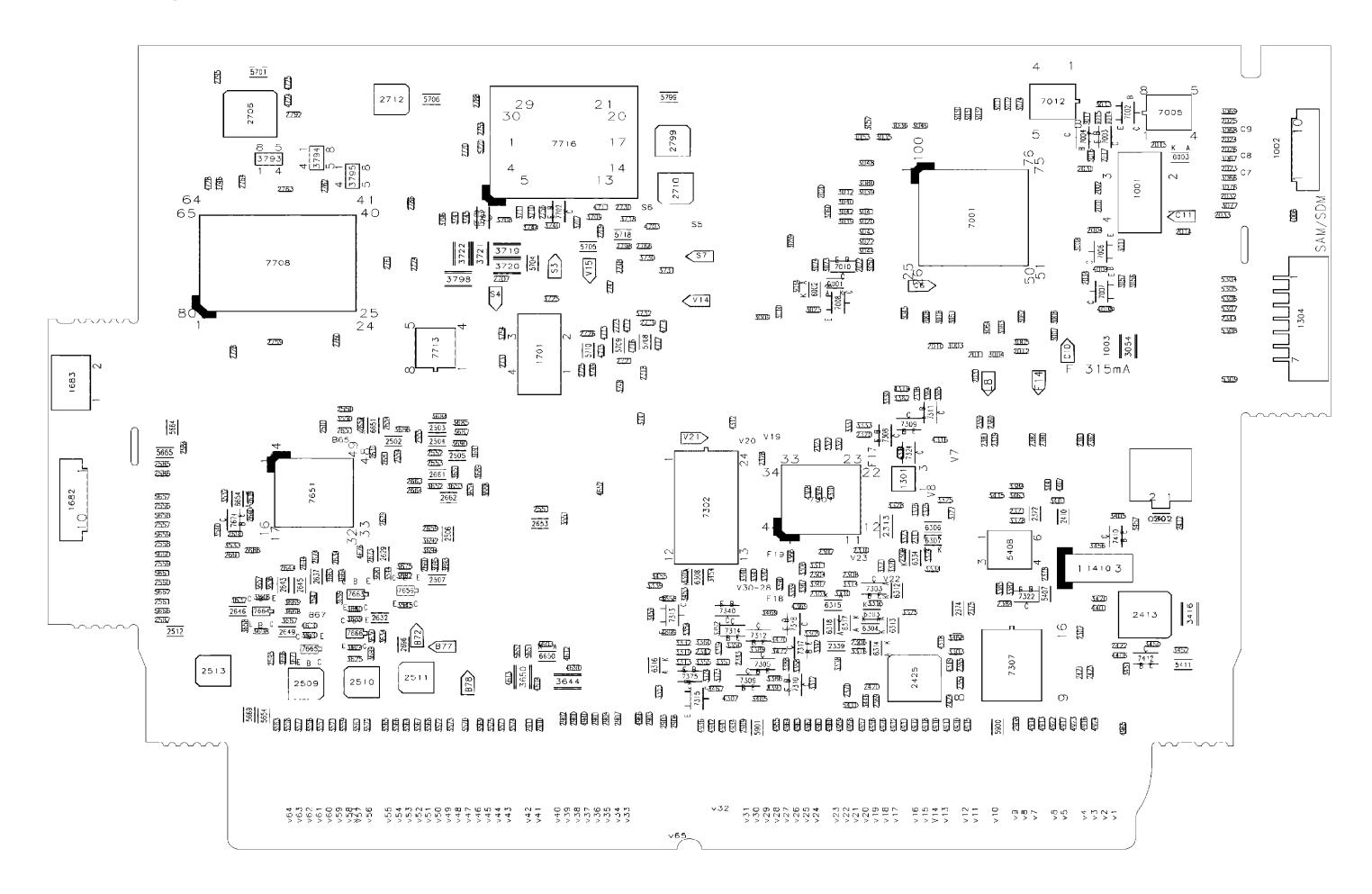


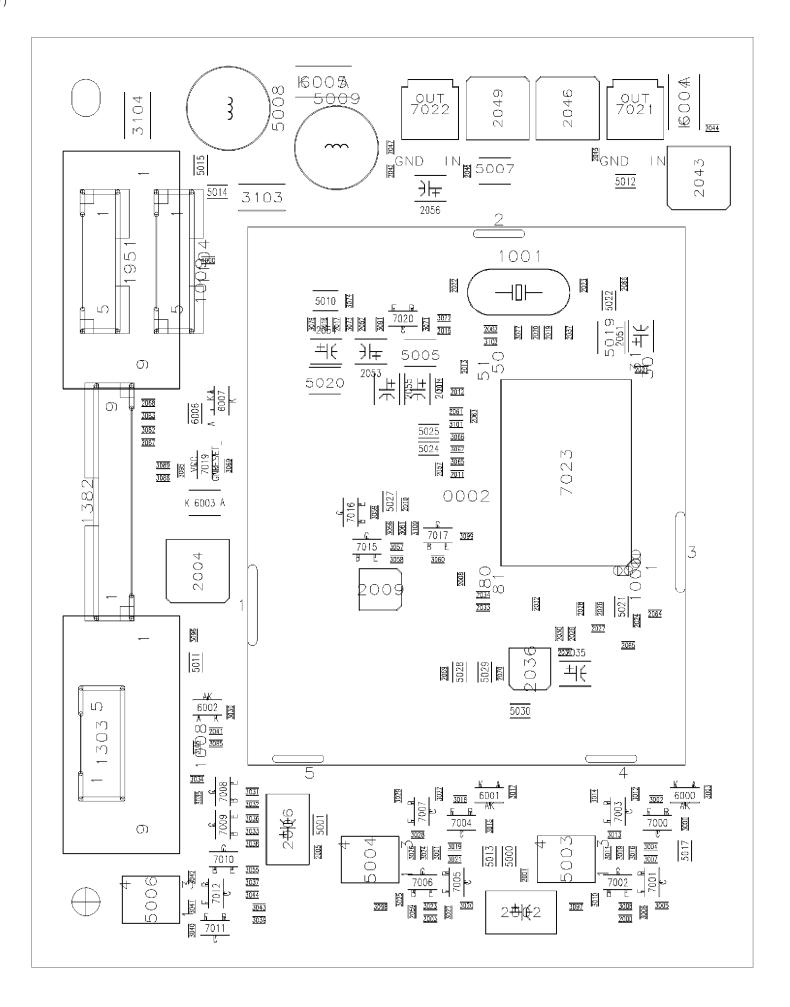


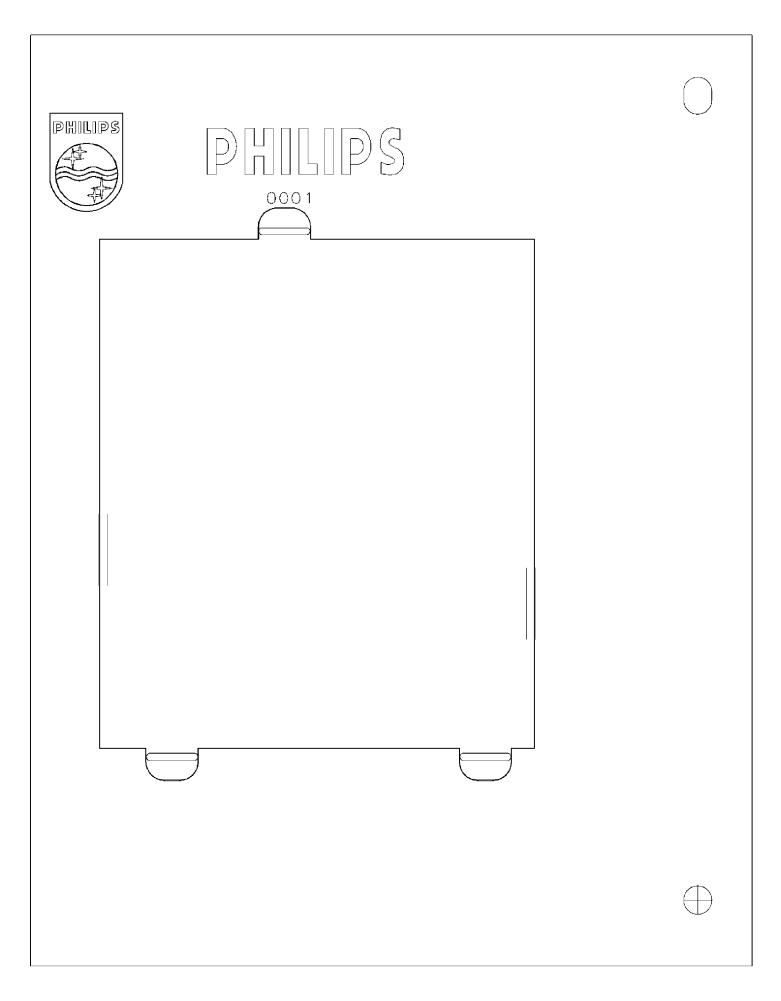


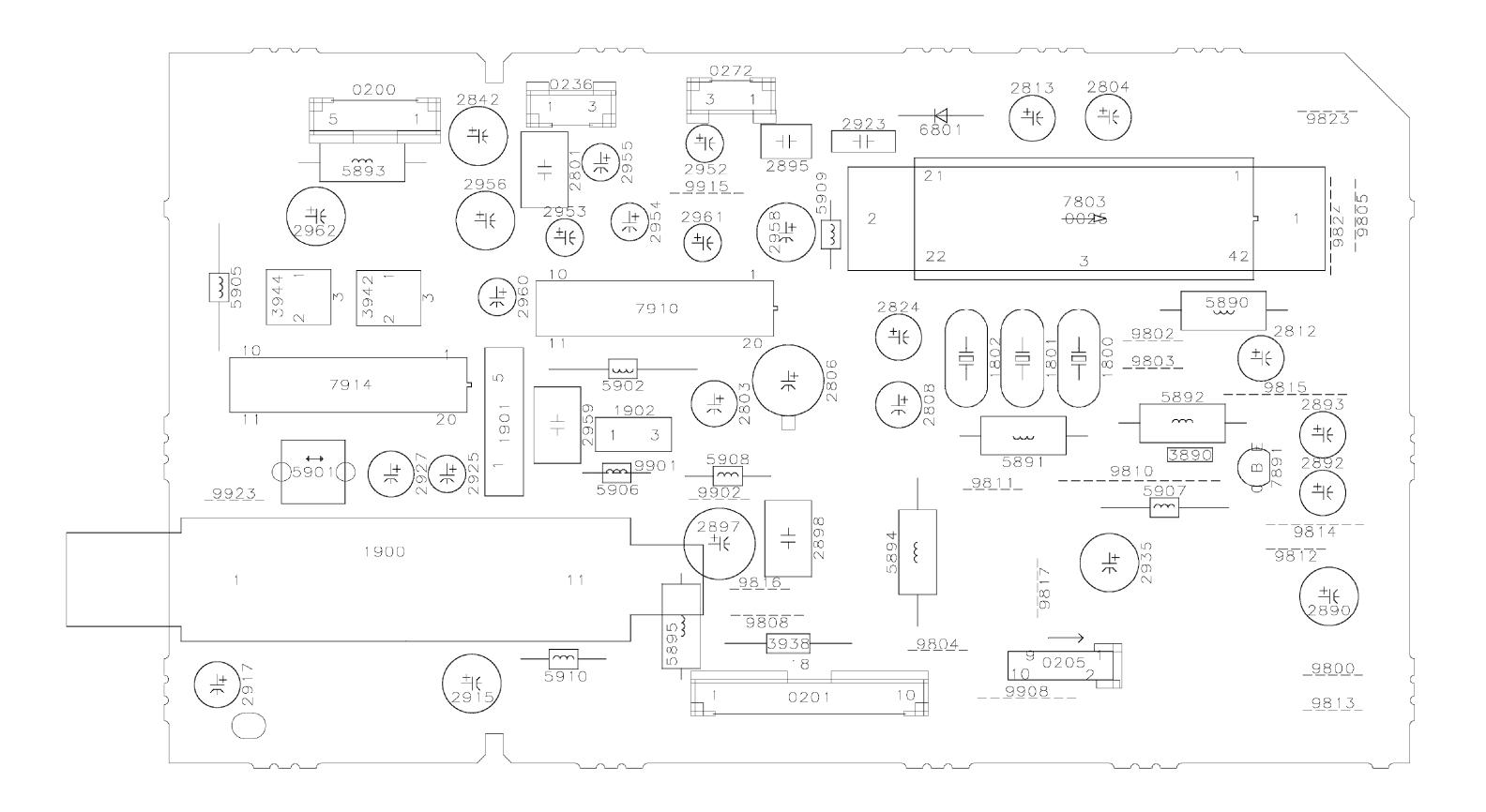


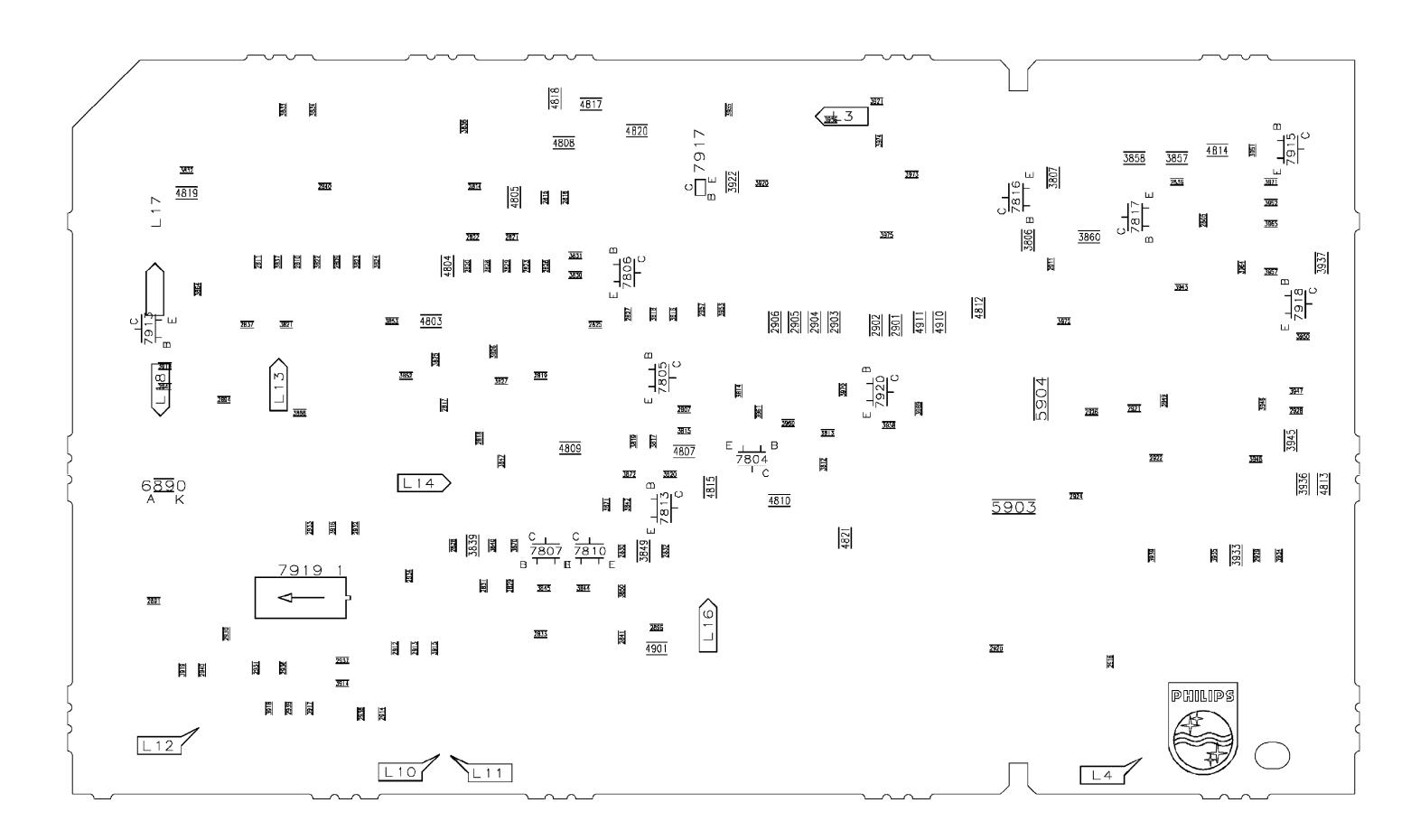


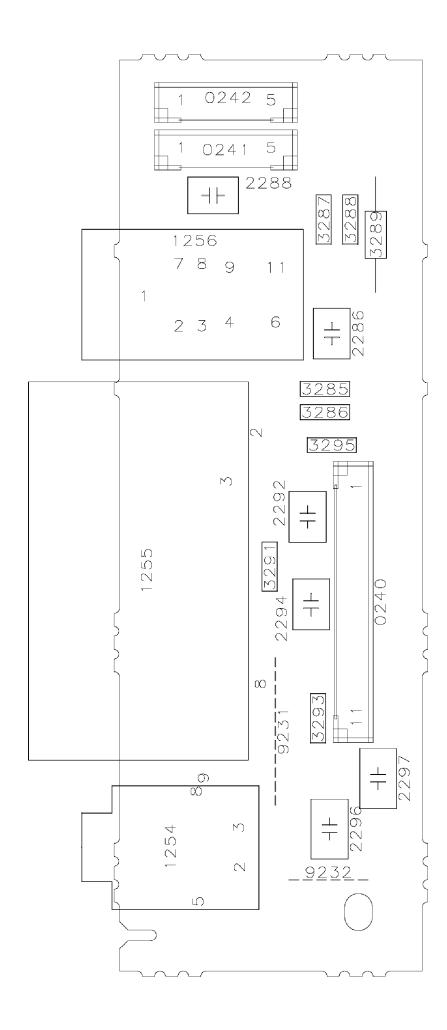


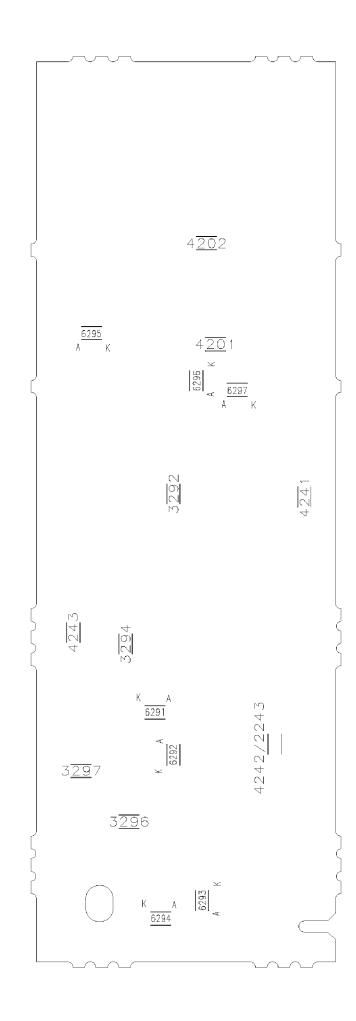


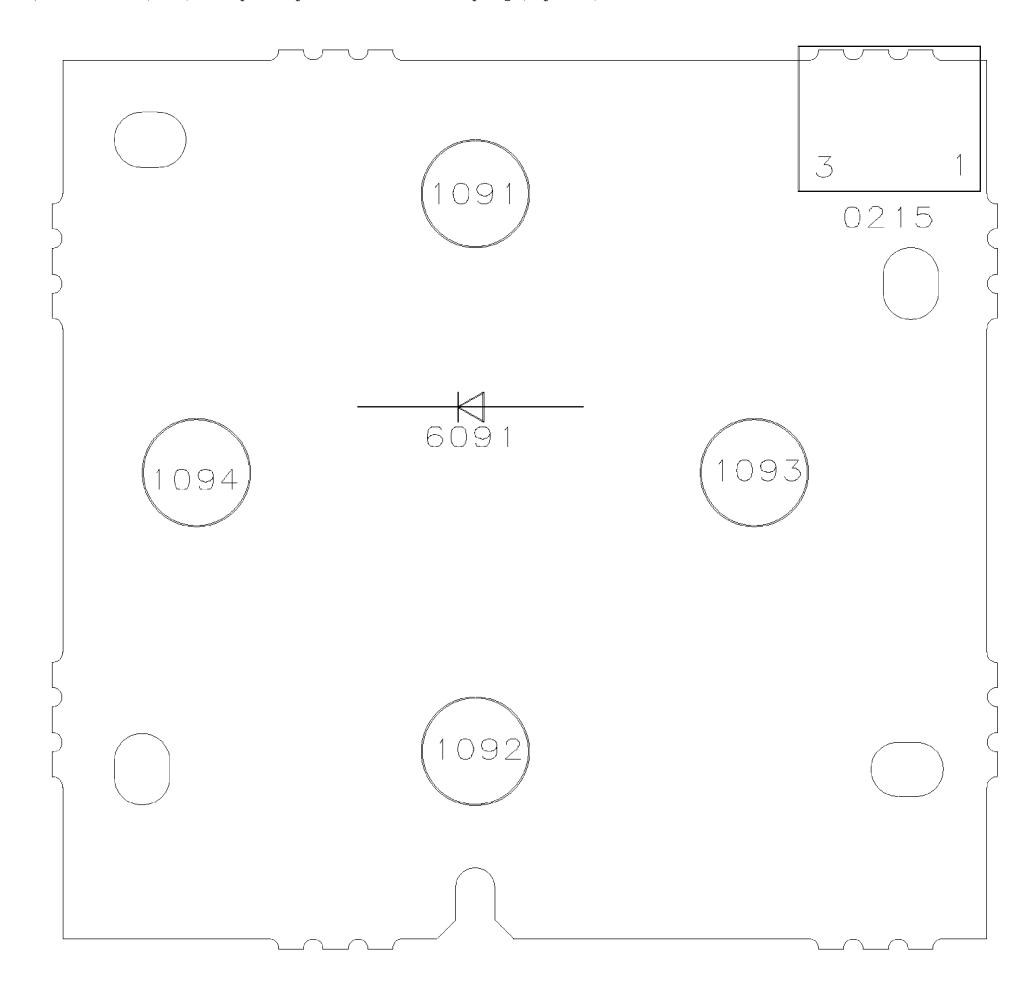


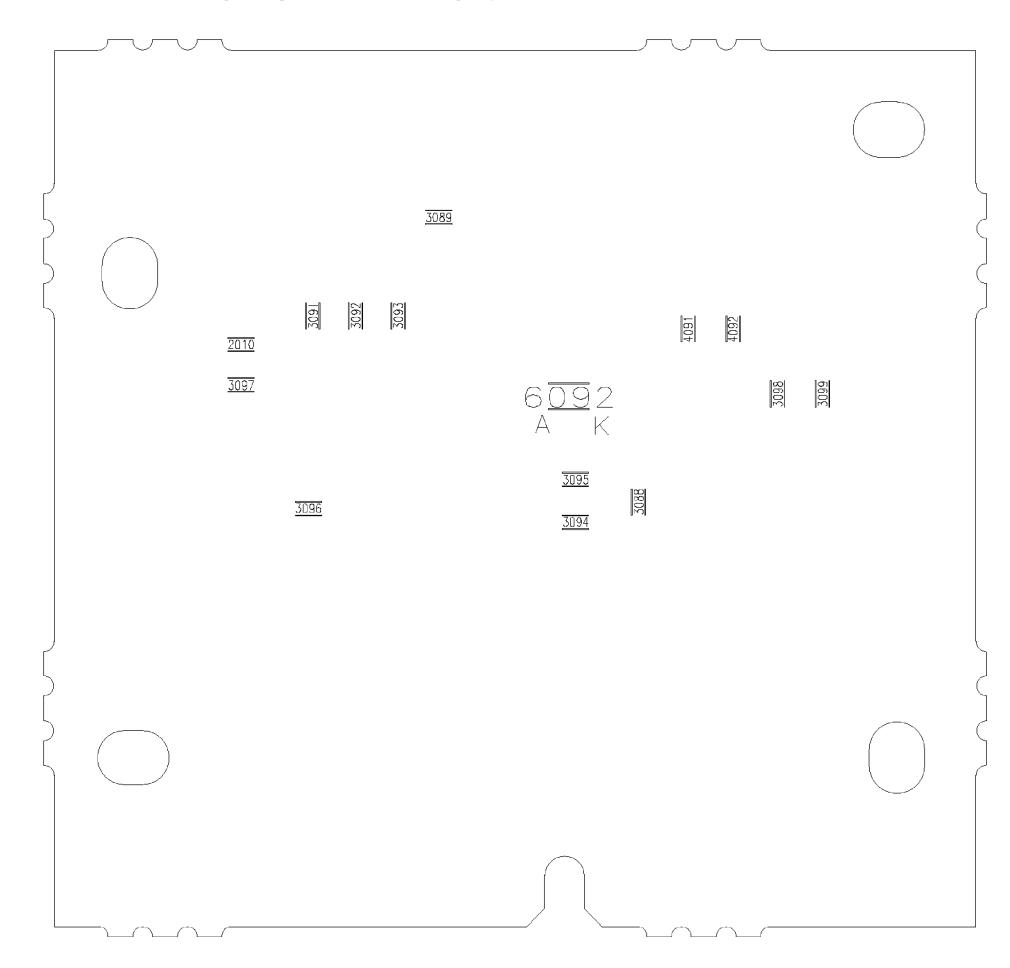


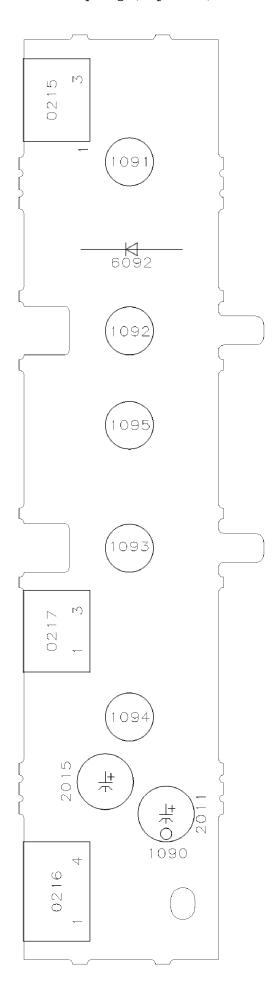


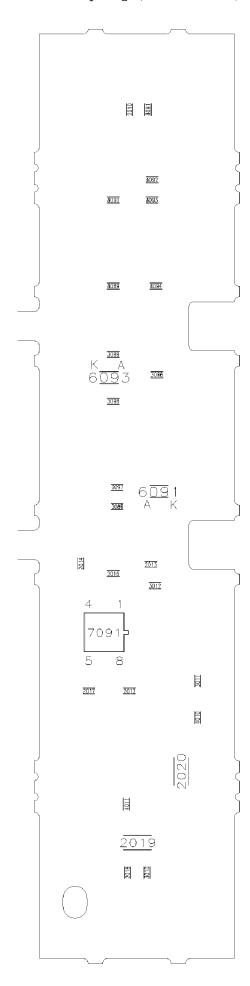


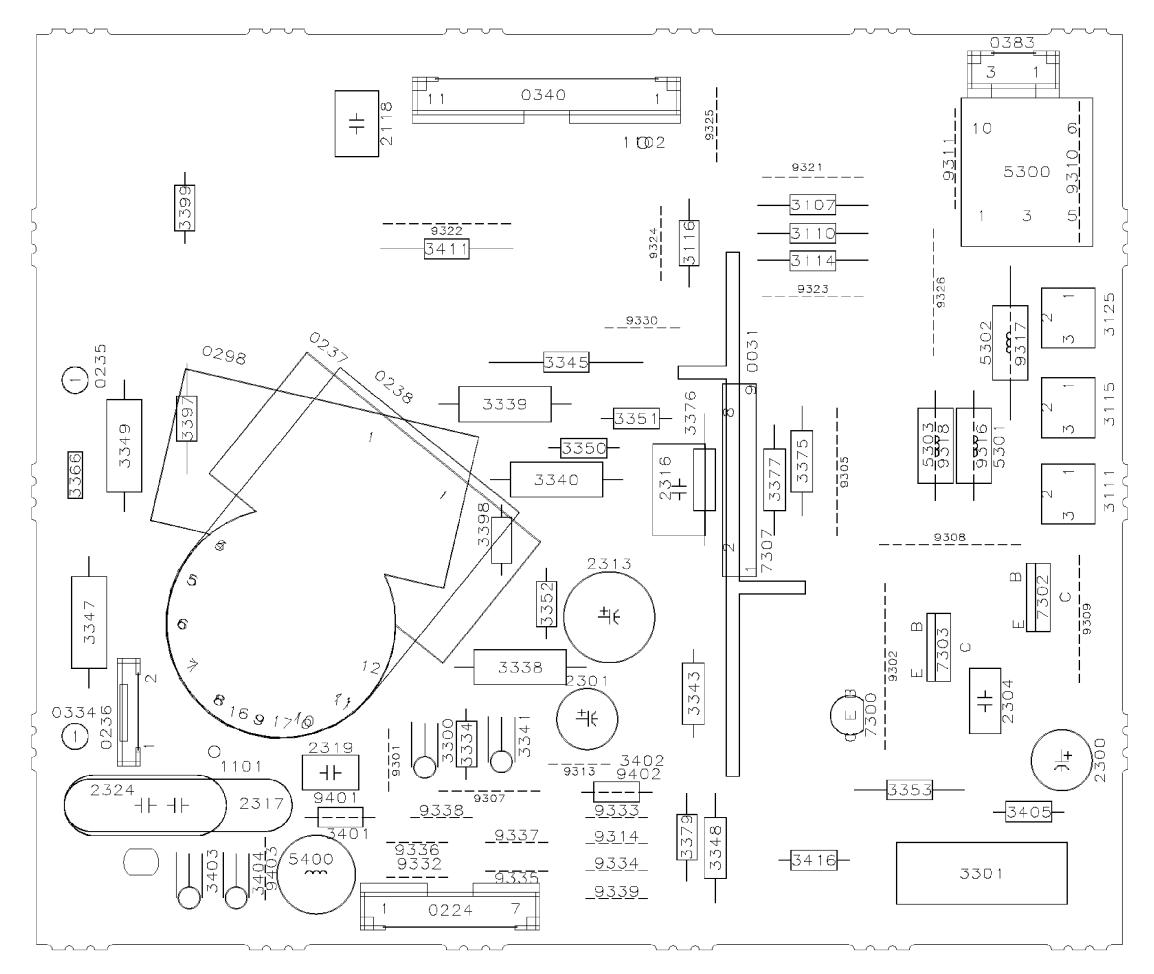


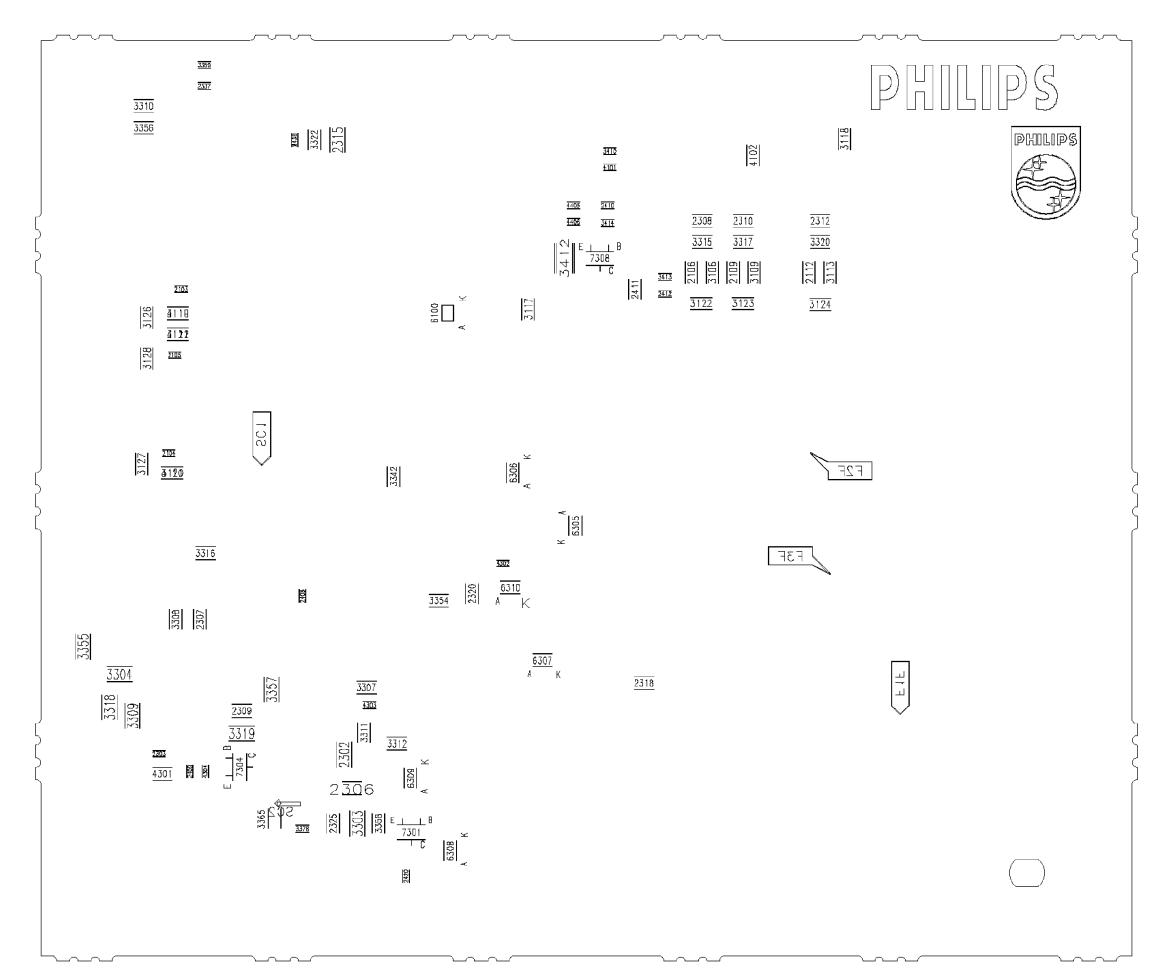


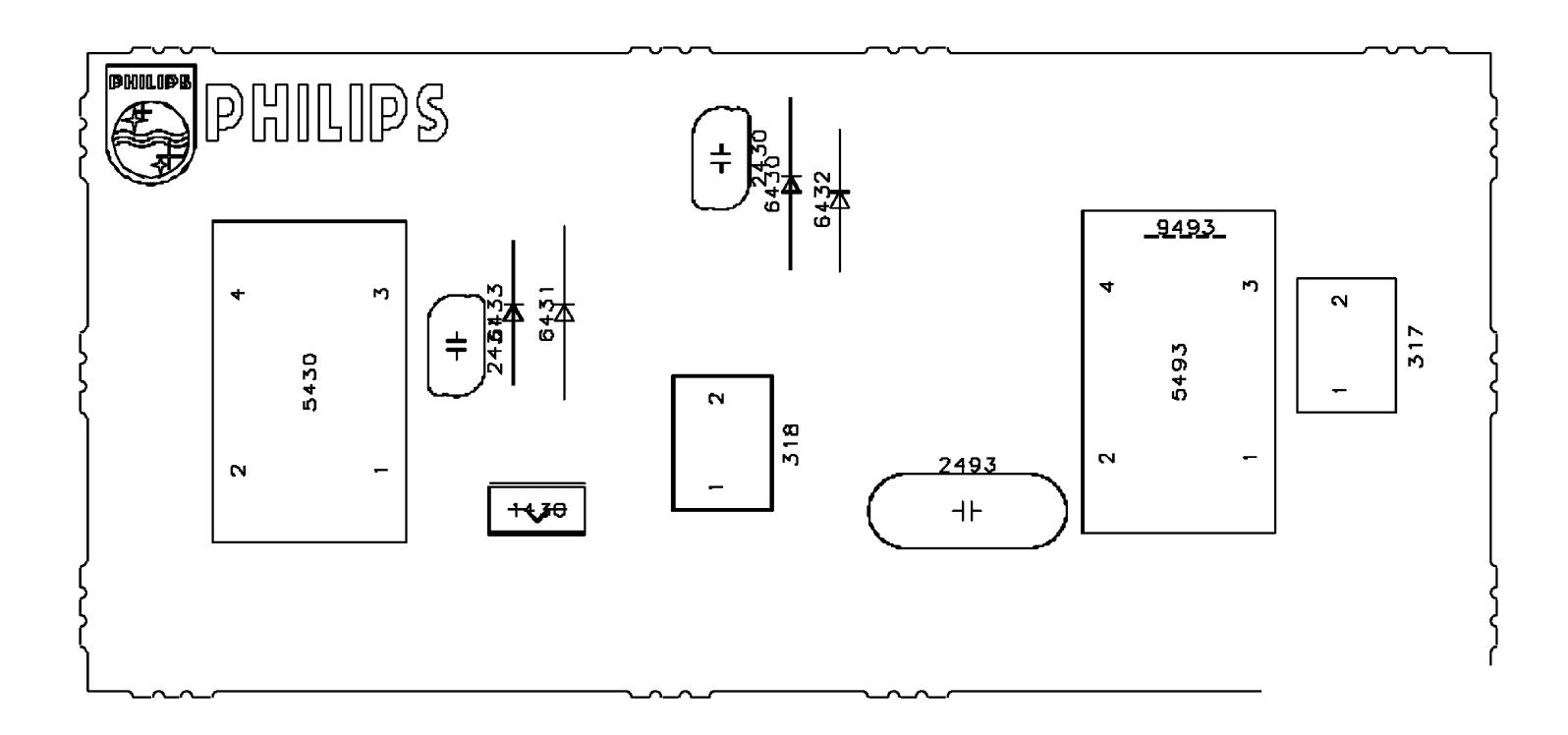


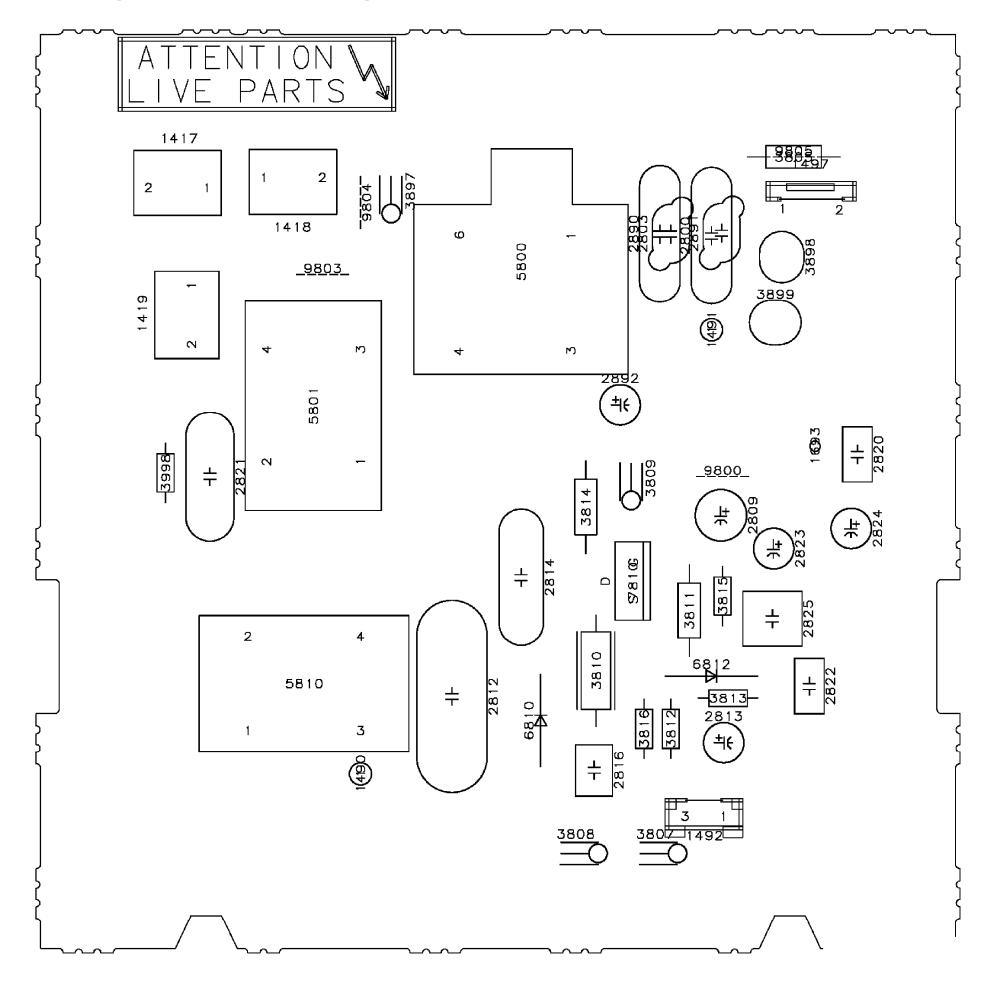




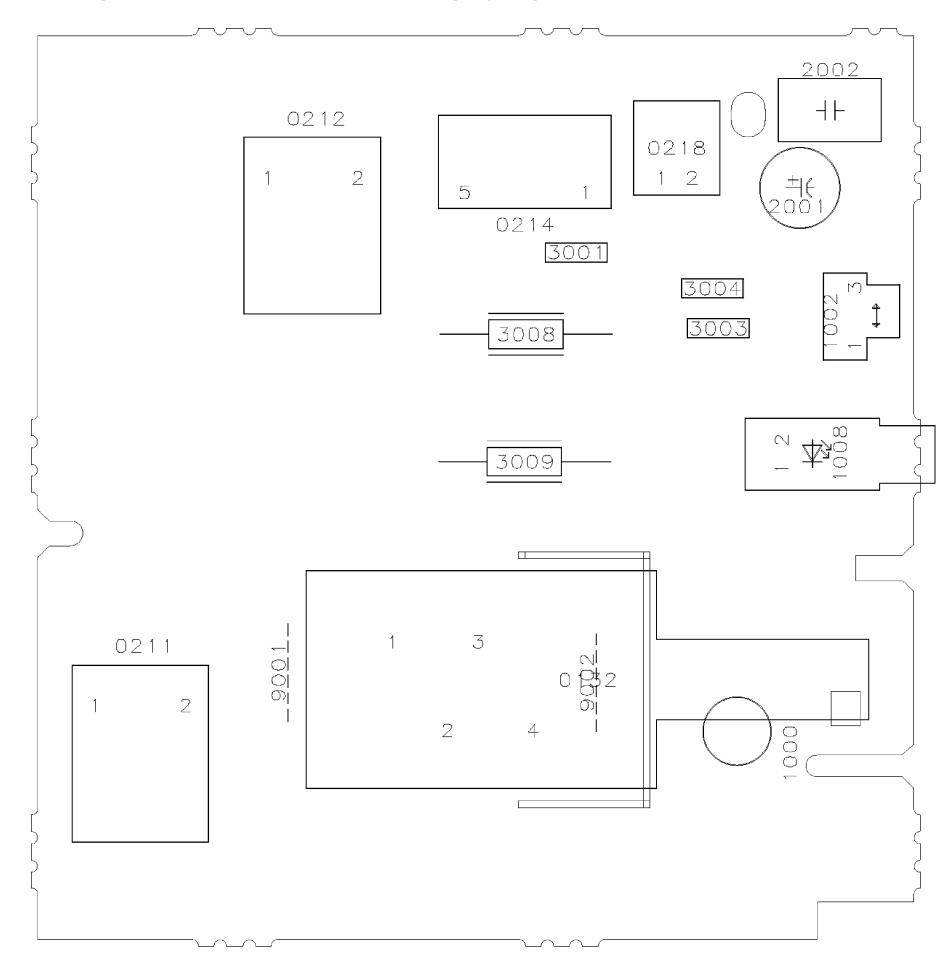


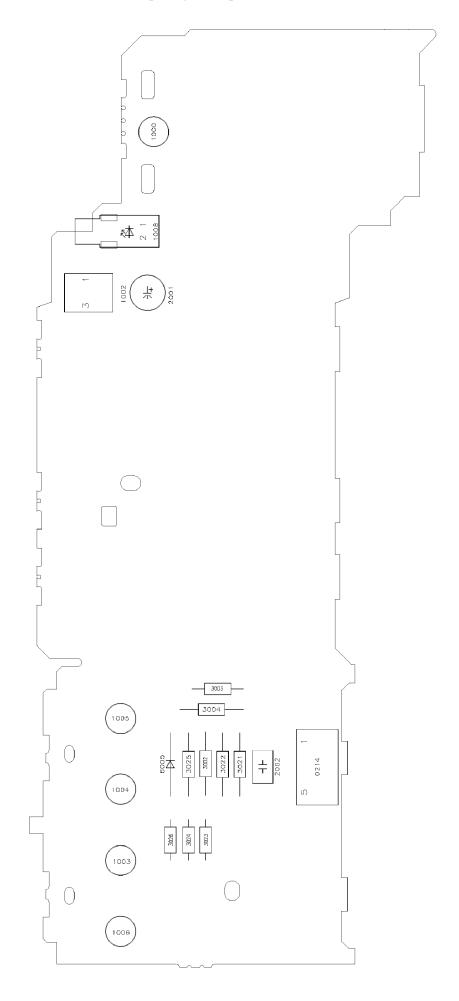


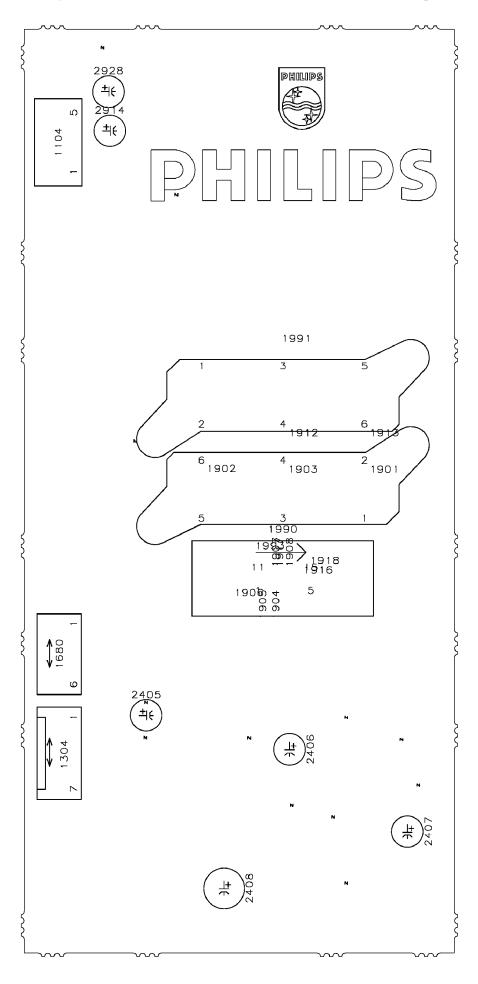


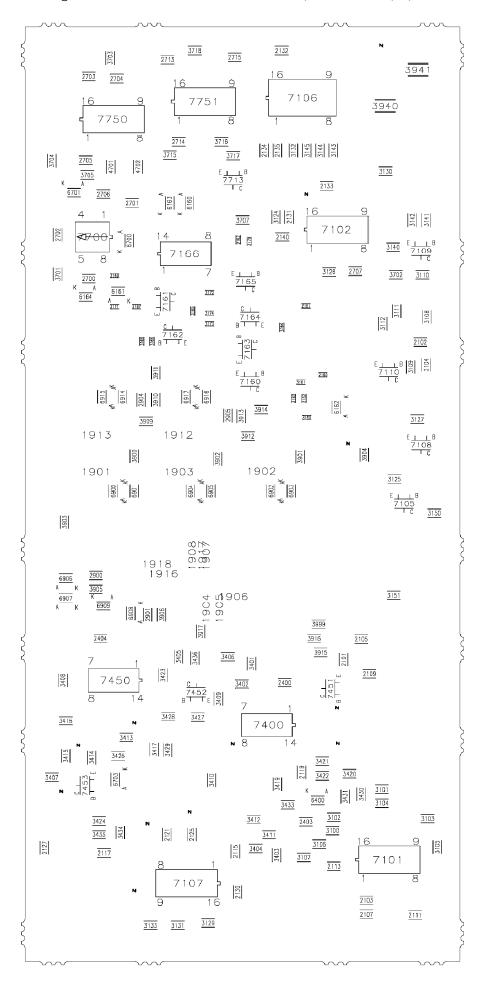


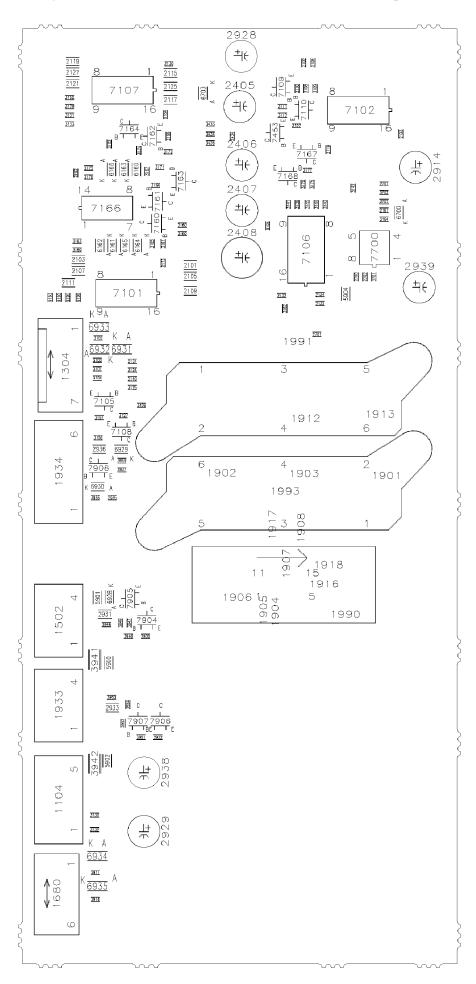


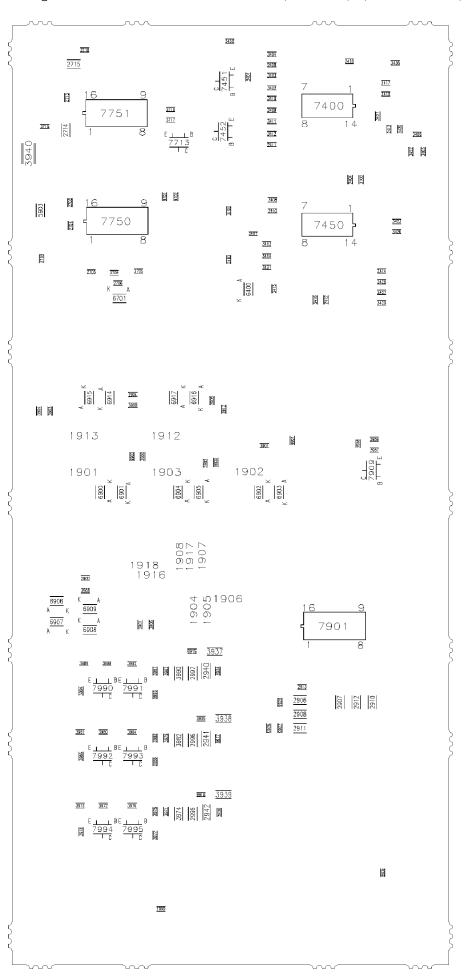


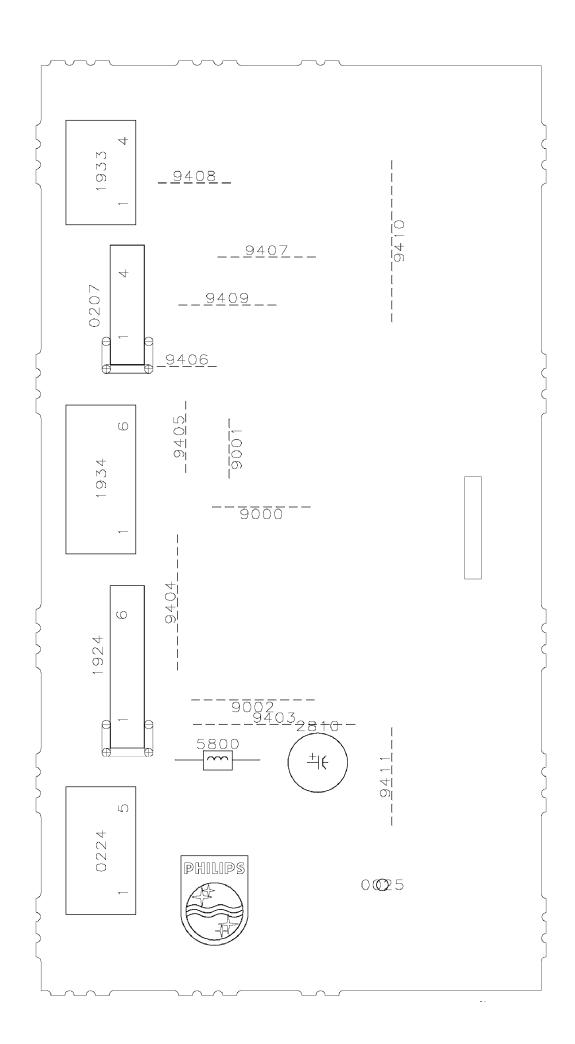


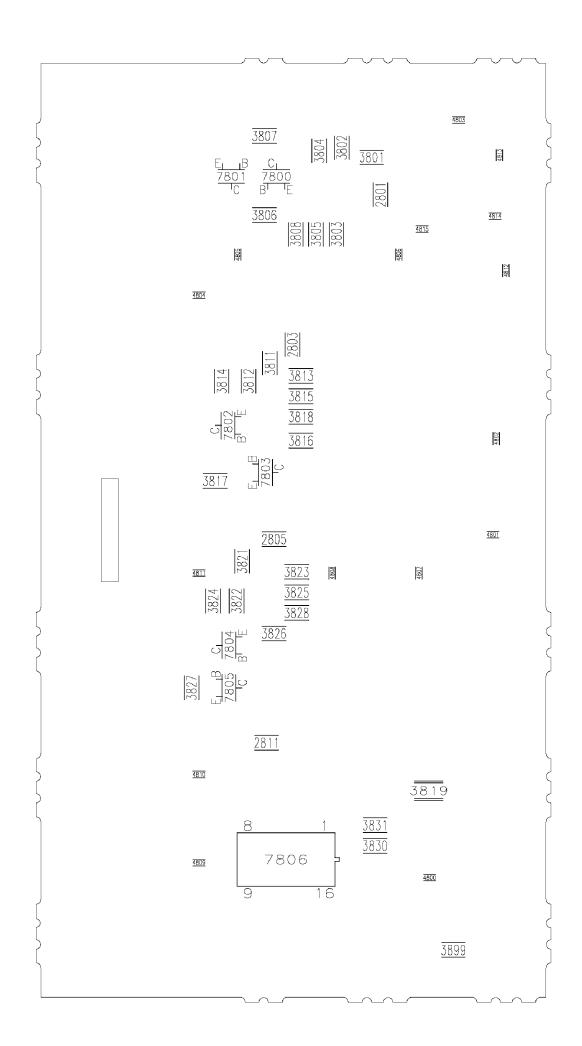


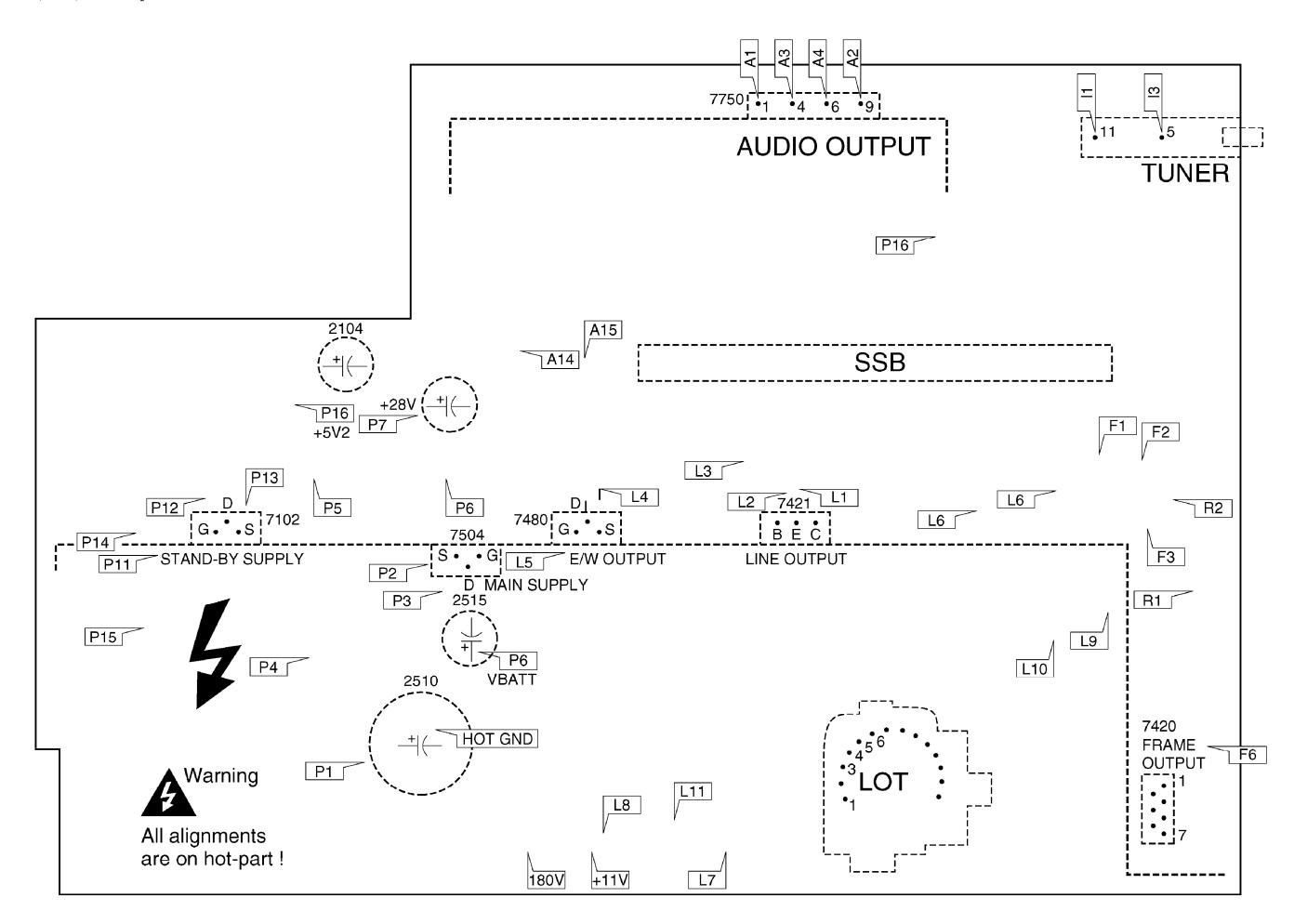


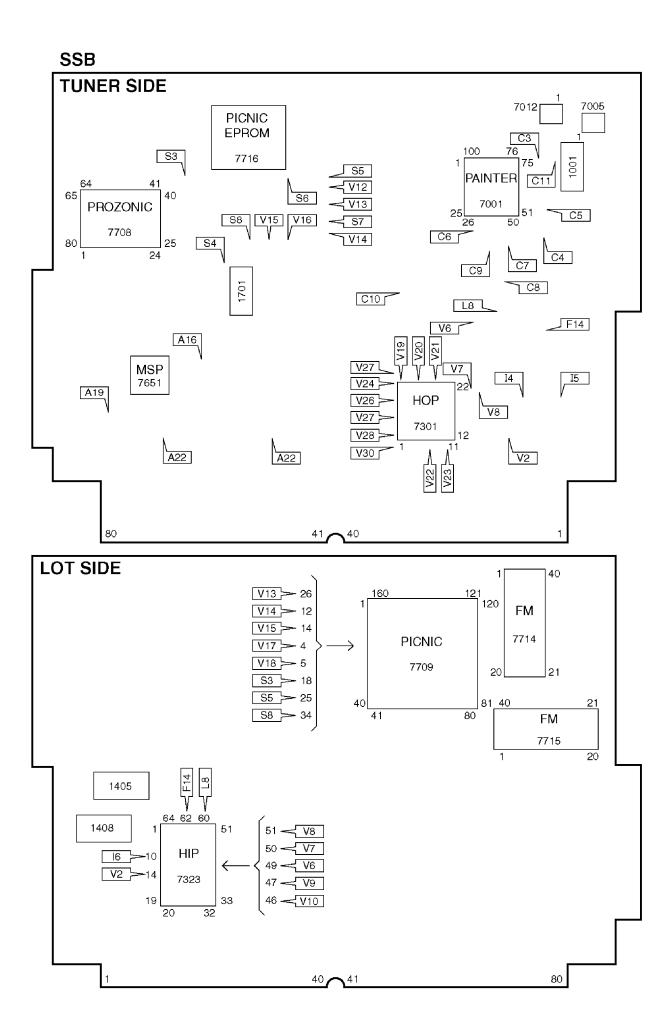




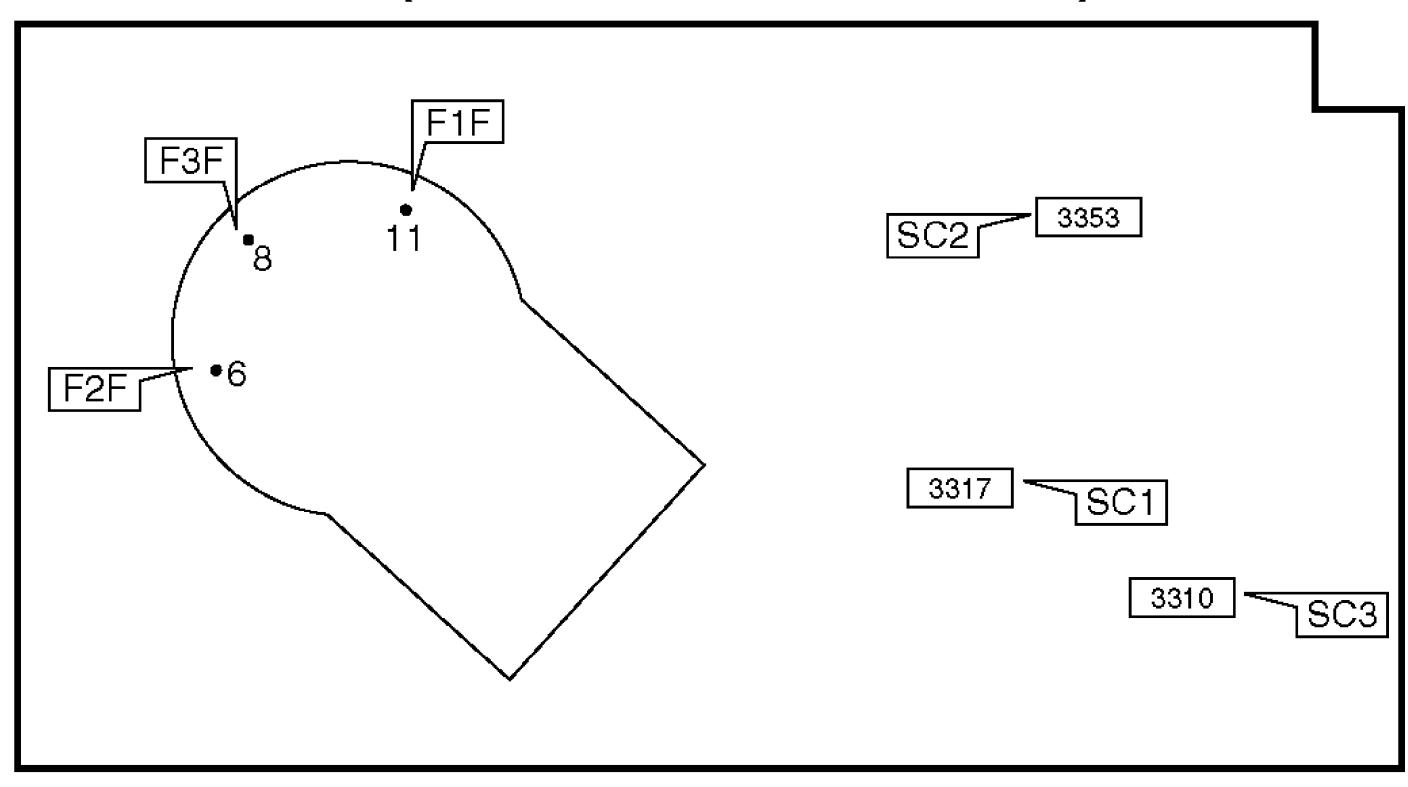




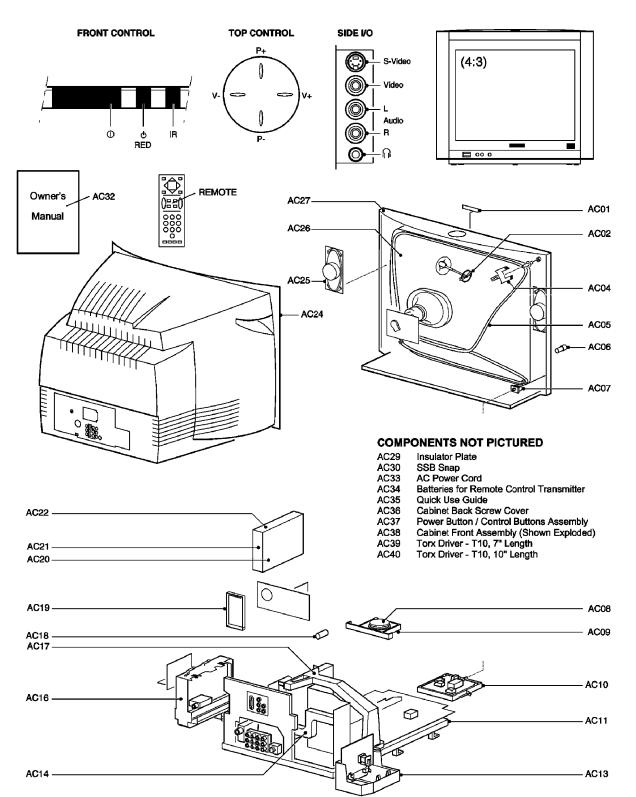




CRT PANEL (COPPER TRACK SIDE)



Typical Exploded View



Targo Ci	gnal Panel		2468	Cap, 4u7, 20%, 350v, Electrolytic 2020 021 91304
naige 5	Large Signal Panel		2469	Cap, 1n5, 10%, 1000v, Ceramic
CBA	Large Signal Panel	3104 328 26021	2471	Cap, 18n, 2%, 63v, Polypropylene 2222 460 90025
S 0010	2 Pin Board Connector	2422 025 16374	2480	Cap, 4n7, 10%, 50v, Polyester 3198 014 04720
S 0020	2 Pin Board Connector		2485	Cap, 10n, 2%, 63v, Polypropylene 2222 460 90022
0150	Fuse Holder		2489	Cap, 47u, 20%, 25v, Electrolytic 3198 025 34790
0153	Fuse Holder		2492	Res, Zero ohm, "Chip" Jumper 3198 021 90020
0203	4 Pin Board Connector	2422 025 04852	2493	Cap, 22n, +80/-20%, 50v, Ceramic 3198 017 22230
0204	6 Pin Board Connector		2494	Cap, 220n, 10%, 16v, Ceramic 2238 780 15654
0317	2 Pin Board Connector		2495	Cap, 220n, 10%, 16v, Ceramic 2238 780 15654
0324	7 Pin Board Connector		2496	Cap, 100n, 10%, 50v, Ceramic 2222 580 15649
0325	3 Pin Board Connector	2422 025 16382	2497	Cap, 220n, +80/-20%, 25v, Ceramic 3198 023 22240
0391	Contact Pin		2498	Cap, 100n, 10%, 16v, Ceramic 3198 017 01040
0392	3 Pin Board Connector		2499	Cap, 3n3, 10%, 50v, Ceramic 3198 017 03320
1001	Spark Gap	2422 549 42349	2501	Cap, 2n2, 10%, 1000v, Ceramic 2020 558 90571
S 1002	Relay, 5 Amp, 5V	2422 132 07411	2502	Cap, 2n2, 10%, 50v, Ceramic 3198 019 12220
1200	Tuner		2503	Cap, 33n, 10%, 100v, Metalized Polyeste 2222 365 85333
S 1401	Fuse, T200MA, 250V		S 2505	Cap, 3n3, 20%, v, Ceramic 2020 554 90174
S 1501	Fuse, T6A3, 250V		2506	Cap, 470n, 10%, 100v, Metalized Polyest
S 1503	Fuse, F2A5, 250V			er
1735	3 Pin Board Connector	2422 025 16407	2507	Cap, 470n, 20%, 275v, Metalized Polypro
1736	3 Pin Board Connector	2422 025 16382		pylene
1900	12 Pin Cinch Jack	2422 026 05064	2509	Cap, 2n2, 10%, 1000v, Ceramic 3198 019 52220
1901	SVHS Jack	2422 026 04926	2510	Cap, 470u, 20%, 200v, Electrolytic 2020 024 90647
1923	80 Pin SIMM Socket	2422 025 16599	2511	Cap, 470u, 20%, 200v, Electrolytic 2020 024 90647
1924	5 Pin Board Connector	2422 025 04853	2512	Cap, 1000u, 20%, 35v, Electrolytic 3198 026 41020
1936	11 Pin Board Connector	2422 025 12485	2513	Cap, 470p, 10%, 50v, Ceramic 3198 017 04710
1940	11 Pin Board Connector	2422 015 18953	2514	Cap, 330p, 10%, 50v, Ceramic 3198 017 03310
1943	3 Pin Board Connector	2422 025 09191	2515	Cap, 47u, 20%, 160v, Electrolytic 2020 021 91543
1945	3 Pin Board Connector		2518	Cap, 150p, 10%, 500v, Ceramic 3198 019 41510
1946	2 Pin Board Connector		2519	Cap, 2n2, 10%, 500v, Ceramic 3198 019 42220
1947	5 Pin Board Connector		2520	Cap, 100n, 10%, 16v, Ceramic 3198 017 01040
1951	5 Pin Board Connector	2422 025 04853	2521	Cap, 270p, 5%, 50v, Ceramic 3198 016 02710
S 1975	Fuse, 250MA, 65V	2422 086 10578	2529	Cap, 470u, 20%, 6.3v, Electrolytic 3198 025 04710
2101	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220	2530	Cap, 470n, +80/-20%, 16v, Ceramic 3198 017 24740
2102		3198 025 34790	2531	Cap, 1n5, 10%, 500v, Ceramic 3198 019 41520
2104	Cap, 2u2, 20%, 16v, Electrolytic	3198 026 22220	2536	Cap, 1u, 20%, 50v, Electrolytic 3198 025 51080
2106	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720	S 2537	Cap, 22n, 20%, 275v, Metalized Polyprop
2108	Cap, 10n, 10%, 400v, Metalized Polyeste			ylene
2109	Cap, 1u, +80/-20%, 16v, Ceramic		2538	Cap, 4n7, 10%, 50v, Ceramic 3198 017 04720
2110	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050	2601	Cap, 1u, 10%, 50v, Polyester 3198 014 01050
S 2112	Cap, 100n, 20%, 275v, Metalized Polypro	3130 017 21030	2602	Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290
5 2112	pylene	2222 336 29144	2603	Cap, 2u2, +80/-20%, 10v, Ceramic 3198 017 22250
2113	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720	2604	Cap, 10u, 20%, 50v, Electrolytic 3198 025 51090
2115	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 04720	2606	Cap, 1u, 10%, 50v, Polyester
2115			2607	Cap, 4u7, 20%, 100v, Electrolytic 3198 025 74780
	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050		
2117	Cap, 220p, 10%, 500v, Ceramic	3198 019 42210	2609	Cap, 220u, 20%, 16v, Electrolytic 3198 025 22210
2120	Cap, 100n, 10%, 50v, Polyester	3198 014 01040	2610	Cap, 2n2, 10%, 50v, Ceramic 3198 017 02220
2132	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720	2611	Cap, 330n, 10%, 16v, Ceramic 2222 780 15656
2200	Cap, 470u, 20%, 10v, Electrolytic	3198 025 14710	2620	Cap, 220n, +80/-20%, 50v, Ceramic 2238 580 19814
2201	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240	2621	Cap, 100n, +80/-20%, 25v, Ceramic 3198 023 21040
2202	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814	2622	Cap, 100u, 20%, 50v, Electrolytic 3198 025 51010
2203	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790	2624	Cap, 470n, 10%, 50v, Polyester 3198 014 04740
2400	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91139	2625	Cap, 470n, 10%, 50v, Polyester 3198 014 04740
2402	Cap, 3n3, 10%, 500v, Ceramic	3198 019 43320	2627	Cap, 10u, 20%, 100v, Electrolytic 3198 025 71090
2408	Cap, 100p, 5%, 50v, Ceramic		2639	Cap, 220n, 10%, 16v, Ceramic 2238 780 15654
2411	Cap, 100n, 10%, 16v, Ceramic		2640	Cap, 4u7, 20%, 50v, Electrolytic 3198 025 54780
2412	Cap, 47n, +80/-20%, 50v, Ceramic		2641	Cap, 100n, 10%, 50v, Ceramic 2222 580 15649
2413	Cap, 10u, 20%, 50v, Electrolytic	2020 021 91548	2642	Cap, 100u, 20%, 50v, Electrolytic 2020 021 90587
2414	Cap, 47n, +80/-20%, 50v, Ceramic	3198 017 24730	2643	Cap, 100n, 10%, 50v, Ceramic 2222 580 15649
2415 S 2416	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210	2653 2654	Cap, 1n, 5%, 50v, Ceramic
		2020 554 90129		
2417	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240	2704	Cap, 47u, 20%, 50v, Electrolytic 3198 025 54790 Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290
2419	Cap, 470p, 10%, 2000v, Ceramic	2020 558 90483 2222 375 90226	2730 2731	Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290 Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290
2420	Cap, 1n2, 5%, 2000v, Polypropylene	0770£ CIC 7770	2731	Cap, 100u, 20%, 50v, Electrolytic 3198 025 52290
2421	Cap, 560n, 5%, 250v, Metalized Polyprop	2022 222 00000	2733	Cap, 100u, 20%, 50v, Electrolytic 3198 025 51010
2424	ylene	2022 333 00088 3198 019 41020	2734	Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290
2424	Cap, 1n, 10%, 500v, Ceramic		2735	
2425	Cap, 9n1, 5%, 2000v, Polypropylene			
2426	Cap, 18n, 5%, 630v, Polypropylene	2222 375 90218	2738	
2429	Cap, 4n7, 10%, 400v, Metalized Polyeste		2739 2756	
2430	Cap, 10n, 10%, 100v, Metalized Polyeste		2756 2758	Cap, 47n, 10%, 25v, Ceramic 3198 023 04730
2431	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020	2758	Cap, 4u7, 20%, 50v, Electrolytic 3198 025 54780
2433	Cap, 430n, 5%, 250v, Metalized Polyprop	2022 222 221	2760	Cap, 1000u, 20%, 25v, Electrolytic 3198 026 31020
0405	ylene	2022 333 00164	2761	Cap, 1000u, 20%, 25v, Electrolytic 3198 026 31020
2436	Cap, 1u, 20%, 160v, Electrolytic	2020 021 90561	2765	Cap, 100u, 20%, 50v, Electrolytic 3198 025 51010
2446	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710	2767	Cap, 220u, 20%, 25v, Electrolytic 3198 025 32210
2447	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710	2782	Cap, 47n, 10%, 25v, Ceramic 3198 023 04730
2448	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710	2784	Cap, lu, 10%, 50v, Polyester 3198 014 01050
2450	Cap, 100n, 10%, 100v, Metalized Polyest	0000 265 0516:	2785	Cap, lu, 10%, 50v, Polyester 3198 014 01050
0.45.4	er		2788	Cap, 470p, 10%, 50v, Ceramic 3198 017 04710
2454	Cap, 1u, 10%, 16v, Ceramic		2905	Cap, 3u3, 20%, 16v, Electrolytic 3198 026 23320
2455	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710	2906	Cap, 100p, 5%, 50v, Ceramic 3198 016 01010
2459	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710	2910	Cap, 100p, 5%, 50v, Ceramic 3198 016 01010
2460	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320	2912	Cap, 10u, 20%, 50v, Electrolytic 3198 025 51090
2461	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710	2913	Cap, 100n, 10%, 16v, Ceramic 3198 017 01040
2462	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020	2914	Cap, 100u, 20%, 10v, Electrolytic 3198 025 11010
2463	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710	2917	Cap, 100p, 5%, 50v, Ceramic 3198 016 01010
2464	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020	2920	Cap, 100p, 5%, 50v, Ceramic 3198 016 01010
2465	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710	2921	Cap, 1n, 5%, 50v, Ceramic 3198 016 01020
2466	Cap, 100u, 20%, 10v, Electrolytic		2923	Cap, 330p, 5%, 50v, Ceramic 3198 016 03310
2467	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010	2925	Cap, 330p, 5%, 50v, Ceramic 3198 016 03310

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Cap, 470u, 20%, 6.3v, Electrolytic . . 3198 025 04710 Cap, 47u, 20%, 50v, Electrolytic . . . 3198 025 54790
                                                                            S 3501
                                                                                      Res, 220 ohm, 20%, 1/2W, Carbon Film . 3198 013 02210
                                                                                       Res, 4M7, 5%, 1/2W, Metalized Glass. .
                                                                             S 3502
                                                                                                                                   2322 242 13475
  2928
         Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                             S 3503
                                                                                       Res, 4M7, 5%, 1/2W, Metalized Glass. .
                                                                                                                                   2322 242 13475
  2941
          Cap, 6n8, 10%, 50v, Ceramic. . . . . . 3198 017 06820
                                                                               3504
                                                                                       Res, 470 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                   3198 011 04710
         Cap, 6n8, 10%, 50v, Ceramic. . . . 3198 017 06820 Cap, lu, 20%, 50v, Electrolytic. . . 3198 025 51080
  2942
                                                                               3505
                                                                                       Res, 68K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 56830
  2951
                                                                               3506
                                                                                       Res, 47K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 54730
  2952
          Cap, 47n, 10%, 25v, Ceramic. . . . . . 3198 023 04730
                                                                               3507
                                                                                       Res, 160K, 1%, 3/5W, Metal Film. . . .
                                                                                                                                   2312 915 11604
         Cap, 47n, 10%, 25v, Ceramic. .
                                                                                       Res, 6K8, 5%, 1W, Metal Film . . . . .
  2953
                                             . . . . 3198 023 04730
                                                                            S 3508
                                                                                                                                   3198 012 16820
         Res, 3M3, 5%, 1/4W, Metalized Glass. . 2322 241 53335
                                                                                       3101
                                                                            S 3509
                                                                                                                                   2322 595 90025
         Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                                                                                   2322 734 62002
  3102
                                                                               3510
         Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                                       Res, 3K9, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                   3198 011 03920
  3103
                                                                               3511
         Res, 47 ohm, 5%, 1/6W, Carbon Film . . 3198 011 04790 Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
  3104
                                                                               3512
                                                                                       Res, 68K, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                   3198 011 06830
  3105
                                                                               3513
                                                                                       Res, 330K, 5%, 1W, Metal Film. . . . .
                                                                                                                                   2322 193 53334
          Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
                                                                                       Res, 1R2, 5%, 1W, Metal Film . . . . .
  3106
                                                                               3514
                                                                                                                                   2322 193 53128
         Res, 1K, 5%, 1/6W, Carbon Film . . . 3198 011 01020 Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
                                                                                                                                   3198 012 16870
  3107
                                                                               3515
                                                                                       Res, OR68, 5%, 3/5W, Metal Film. . . .
  3108
                                                                               3517
                                                                                       Res, 4K7, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 54720
  3109
         Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                               3518
                                                                                       Res, 100K, 5%, 1/6W, Carbon Film . . .
                                                                                                                                   3198 011 01040
 3110
         Res, 10 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03109
                                                                               3519
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 52230
                                                                                       Res, 33K, 5%, 2 1/2W, Metal Film . . .
         Res, 22 ohm, 5%, 1/6W, Carbon Film . .
                                                      3198 011 02290
                                                                            S 3520
  3113
                                                                                                                                   3198 012 33330
                                                                                       Res, 1M, 5%, 1/2W, Metalized Glass . .
         Res, 220 ohm, 5%, 1/6W, Carbon Film. . 3198 011 02210
                                                                                                                                   2322 242 13105
  3114
                                                                            S 3521
         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010 Res, 4R7, 5%, 1/6W, Carbon Film. . . 3198 011 04780 Res, 33 ohm, 5%, 1/6W, Carbon Film . . 3198 011 03390
                                                                                       Res, 6K8, 5%, 1/6W, Carbon Film. . . .
  3117
                                                                               3522
                                                                                                                                   3198 011 06820
                                                                                       Res, 1M, 5%, 1/10W, Metalized Glass. .
                                                                               3523
                                                                                                                                   3198 021 51050
  3118
  3119
                                                                               3524
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                       Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
  3120
          Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                               3525
  3121
          Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                               3526
                                                                                       Res, OR1, 5%, 3/5W, Metal Film . . . . 3198 012 11070
         Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090 Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
                                                                                       Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
  3123
                                                                               3527
  3124
                                                                               3528
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3125
         Res, 15 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01590
                                                                               3529
                                                                                       Res, 680 ohm, 5%, 1/10W, Metalized Glas 3198 021 56810
  3126
         Res, 10K, 5%, 1/6W, Carbon Film. . . . 3198 011 01030
                                                                               3530
                                                                                       Res, 68K, 5%, 1/6W, Carbon Film. . . . 3198 011 06830
         Res, 5K6, 5%, 1/6W, Carbon Film. . . 3198 011 05620
Res, 47 ohm, 5%, 1/6W, Carbon Film . . 3198 011 04790
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass .
  3127
                                                                               3531
                                                                                                                                   3198 021 51030
  3130
                                                                            S 3532
                                                                                       Res. PTC, 3R5, Degaussing. . . . . . 2322 662 96757
         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                       Res, 15 ohm, 5%, 1/10W, Metalized Glass 3198 021 51590
  3148
                                                                               3533
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                       Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
Res, 680K, 5%, 1/10W, Metalized Glass. 3198 021 56840
  3200
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  3201
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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         Res, 1K, 5%, 1/6W, Carbon Film . . . 3198 011 01020 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
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                                                                                       Res, 47K, 5%, 1/10W, Metalized Glass .
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         Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230 Wire Jumper. . . . . . . . . . . . . . . . . . 3198 021 51040 Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                                       Res, 2K2, 5%, 1/10W, Metalized Glass .
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S 3230
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                                                                                       Res, 0R15, 5%, 3/5W, Metal Film. . . . 3198 012 11570 Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
  3237
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  3402
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  3403
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                               3544
                                                                                       Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
  3404
         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
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                                                                                       Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
                                                                                      Res, 220 ohm, 20%, 1/2W, Carbon Film . 3198 013 02210 Res, 470K, 1%, 3/5W, Metal Film . . . 2312 915 14704
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  3406
                                                                               3550
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                       Res, 470K, 1%, 3/5W, Metal Film.
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          Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
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                                                                                       Res, 8K2, 5%, 1/10W, Metalized Glass .
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         Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
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                                                                                       Trim Pot, 470 ohm. . . . . . . . .
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  3411
          Res, 39 ohm, 5%, 1/4W, Carbon Film . . 2120 101 74399
                                                                               3604
                                                                                       Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3414
         Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
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                                                                                       Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
S 3415
         Res, 15 ohm, 5%, 2 1/2W, Metal Film. . 3198 012 31590
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         Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
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         Res, 330 ohm, 5%, 1/3W, Metal Film . . . . 2306 204 03331
Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230
Res, 12K, 5%, 1/6W, Carbon Film . . . 3198 011 01230
Res, 8K2, 5%, 1/6W, Carbon Film . . . . 3198 011 08220
                                                                                       S 3431
                                                                               3609
                                                                                                                                   2120 368 90124
S 3436
                                                                               3610
                                                                                                                                   3198 021 52230
                                                                                       Res, 270K, 5%, 1/8W, Metalized Glass.
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                                                                               3612
                                                                                                                                   2322 730 61274
                                                                                       Res, 270K, 5%, 1/8W, Metalized Glass.
                                                                                                                                   2322 730 61274
  3451
                                                                               3613
  3452
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                               3614
                                                                                       Res, 150K, 1%, 3/5W, Metal Film. . . .
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         Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
                                                                                       Res, 560K, 5%, 1/4W, Carbon Film . . .
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                                                                                       Res, 470K, 5%, 1/6W, Carbon Film . . .
         Res, Zero ohm, "Chip" Jumper . . . .
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         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
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                                                                                       Res, 1K, 5%, 1/6W, Carbon Film . . . .
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         Res, 1R5, 5%, 1/2W, Metal Film . . . . 2306 207 03158
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                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. .
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         Res, 1R5, 5%, 1/2W, Metal Film . . . . 2306 207 03158
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S 3461
         Res, 1R5, 5%, 1/2W, Metal Film . . . .
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                                                                                       Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
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S 3462
         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
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         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
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S 3463
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         Res, 1 ohm, 5%, 1/2W, Metal Film . . .
                                                      2306 207 03108
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass .
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         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
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                                                                                                                                   2306 204 03158
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         Res, 2R2, 5%, 1/3W, Metal Film . . . . 2306 204 03228
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                                                                                       Res, 220 ohm, 5%, 1/6W, Carbon Film. .
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  3467
          Res, 2R2, 5%, 1/3W, Metal Film . . . . 2306 204 03228
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          Res, 6R8, 5%, 1/2W, Metal Film .
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                                                                                       Res, 12K, 5%, 1/6W, Carbon Film. . . .
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         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
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                                                                                       Res, 3R3, 5%, 1/4W, Carbon Film. . . .
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          Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
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         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
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         Res, 220K, 5%, 1/6W, Carbon Film . . . 3198 011 02240
Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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                                                                                       Res, 22K, 5%, 1/6W, Carbon Film. . . .
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                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass .
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          Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
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         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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         Res, 4K7, 5%, 1/10\text{W}, Metalized Glass . 3198 021 54720
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  3487
         Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
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                                                                                       Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                      Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
  3489
         Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
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  3490
         Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
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         Res, 33K, 1%, 3/5W, Metal Film . . . . 2312 915 13303 Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
  3495
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          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. .
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  3498
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3499
         Res, OR47, 10%, 7W, Wire Wound . . . . 2322 252 41477
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                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
S 3500
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Res, Zero ohm, "Chip" Jumper . . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
             Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220 Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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   3710
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                                                                                                                        Res, Zero ohm,
                                                                                                                                               "Chip" Jumper . . . . .
                                                                                                                                                                                      3198 021 90020
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                                                                                                                                               "Chip" Jumper . . . . .
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             Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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             Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
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   3715
             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                             4723
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   3716
             Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
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   3717
             Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
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                                                                                                                        Res, Zero ohm,
                                                                                                                                                                                     3198 021 90020
   3730
             Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                                                                                                     3198 021 90020
                                                                                                             4902
                                                                                                                        Res, Zero ohm,
   3731
             Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                             4904
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                                                                                                                                                                                     3198 021 90020
   3732
             Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
                                                                                                             4906
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                                                                                                                        Res, Zero ohm,
   3733
             Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
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             Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
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                                                                                                                        Res, Zero ohm,
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   3735
             Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
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   3736
             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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   3738
             Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
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                                                                                                                                                                                     3198 021 90020
   3739
             Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
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                                                                                                                        Res, Zero ohm,
                                                                                                                                                                                     3198 021 90020
             Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830 Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
   3740
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                                                                                                                        Res, Zero ohm,
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             Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
   3742
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             Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
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                                                                                                                                                                                     3198 021 90020
                                                                                                                        Res, Zero ohm,
                                                                                                                                                                                     3198 021 90020
   3745
             Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
                                                                                                             4928
                                                                                                                       Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
   3750
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   3756
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             Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040 Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
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   3758
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   3762
             Res, 8R2, 5%, 1/8W, Metalized Glass. . 2322 730 61828
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             Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
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   3765
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             Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 150K, 5%, 1/10W, Metalized Glass . 3198 021 51540
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             Res, 8R2, 5%, 1/8W, Metalized Glass. . 2322 730 61828
Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
   3789
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   3790
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             Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                                        Res, Zero ohm, "Chip" Jumper . . . . .
   3792
                                                                                                             4945
                                                                                                                                                                                     3198 021 90020
                                                                                                                       Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
   3908
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                                                                                                                                                                                     3198 021 90020
   3909
             Res, 75 ohm, 5%, 1/6W, Carbon Film .
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   3910
             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                                          S 5101
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   3911
             Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
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   3912
             Res, 150 ohm, 5%, 1/10\text{W}, Metalized Glas 3198 021 51510
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             Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
   3913
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   3914
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             Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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   3915
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   3919
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   3920
             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                             5115
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S 3925
             Res, 6R8, 5%, 1/3W, Metal Film . . . .
                                                                         2306 204 03688
                                                                                                             5120
                                                                                                                        Coil, 680n . . . . . . . . . . . . . . . .
                                                                                                                                                                                     3198 018 16870
             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
   3928
                                                                                                             5200
                                                                                                                        Coil, 6u8. .
                                                                                                                                                                                     2422 535 94267
                                                                                                                        Inductor, 100MHz, 600 ohm. . . . . . Inductor, 100MHz, 600 ohm. . . . . . Inductor, 100MHz, 600 ohm. . . . . .
   3929
             Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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   3930
             Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
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                                                                                                                                                                                     3198 018 90080
             Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
   3932
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                                                                                                                                                                                     3198 018 90080
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                                                                                                             5400
                                                                                                                                                                                     3198 018 73390
             Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
   3936
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   3937
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             Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510 Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
   3940
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   3941
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                                                                                                                       Bridge Coil, W/132-004
Coil, 2u4
Line Output Transformer
Ferrite Bead, 100MHz
Ferrite Bead, 100MHz
Ferrite Bead, 100MHz
Coil, 33u
Ferrite Bead, 100MHz
Coil, 8u
Coil, 68u
Mains Filter
Ferrite Bead, 100MHz
Supply Transformer
Ferrite Bead, 100MHz
Ferrite Bead, 100MHz
Ferrite Bead, 100MHz
Supply Transformer
Ferrite Bead, 100MHz
Coil, 90n
Diode, Rect, BYD33D
Zener Diode, 15 volt
Zener Diode, 24 volt
Diode, BATSE
             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
   3944
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   3946
                                                                                                          S 5430
                                                                                                                                                                                     3128 138 22661
             Res, 1K8, 5%, 1/6W, Carbon Film. . .
   3950
                                                                      . 3198 011 01820
                                                                                                             5461
                                                                                                                                                                                     3198 018 90020
             Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                                                                                                                     3198 018 90020
   3955
                                                                                                             5463
   3970
             Res, 120 ohm, 5%, 1/10W, Metalized Glas 3198 021 51210
                                                                                                             5465
                                                                                                                                                                                     3198 018 90020
   3971
             Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720
                                                                                                             5466
                                                                                                                                                                                     3198 018 73390
   3972
             Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                                                             5467
                                                                                                                                                                                     3198 018 90020
   3975
             Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 \,
                                                                                                             5468
                                                                                                                                                                                     3198 018 72290
   3991
             Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010 Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
                                                                                                             5469
                                                                                                                                                                                     3198 018 11890
   3992
                                                                                                             5494
                                                                                                                                                                                     2422 535 94095
             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
   3993
                                                                                                          S 5503
                                                                                                                                                                                     2422 549 44362

      Wire Jumper
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      3198
      036
      90010

      Wire Jumper
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      3198
      036
      90010

   3995
                                                                                                             5505
                                                                                                                                                                                     3198 018 90020
   3996
                                                                                                          S 5506
                                                                                                                                                                                     2422 531 98042

      Wire Jumper.
      3198 036 90010

      Wire Jumper.
      3198 036 90010

      Res, Zero ohm, "Chip" Jumper
      3198 021 90020

      Res, Zero ohm, "Chip" Jumper
      3198 021 90020

   3997
                                                                                                             5507
                                                                                                                                                                                      3198 018 90020
   4102
                                                                                                             5508
                                                                                                                                                                                     3198 018 90020
   4401
                                                                                                             5510
                                                                                                                                                                                     3198 018 90020
   4402
                                                                                                             5620
                                                                                                                                                                                     2422 535 95444
                                                                                                                                                                                     9337 234 00133
   4403
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   4405
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                                                                                                                                                                                     3198 010 21590
   4406
                                                                                                             6106
                                                                                                                                                                                     9331 669 60133
                                                                                                                        4407
                                                                                                                                                                                     9336 247 60133
                                                                                                             6108
   4408
                                                                                                             6110
                                                                                                                                                                                     9336 247 60133
   4409
                                                                                                             6111
                                                                                                                                                                                     9322 161 78682
             Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
                                                                                                                        Diode, 1N4148. . . . . . . . . . . . . . . .
   4410
                                                                                                             6120
                                                                                                                                                                                     3198 010 10010

      Res, Zero ohm, "Chip" Jumper
      3198 021 90020

                                                                                                                       3198 010 10010
   4412
                                                                                                             6121
   4413
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                                                                                                                                                                                     3198 010 53980
   4415
                                                                                                             6124
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   4416
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   4441
                                                                                                             6204
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   4442
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   4443
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   4444
                                                                                                             6207
                                                                                                                                                                                     3198 020 56880
                                                                                                                        "Chip" Jumper . . . . . "Chip" Jumper . . . . .
   4483
                                                                           3198 021 90020
                                                                                                             6405
                                                                                                                                                                                     3198 020 53390
             Res, Zero ohm,
   4521
             Res, Zero ohm,
                                                                           3198 021 90020
                                                                                                             6406
                                                                                                                                                                                     3198 010 10630
             Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020 Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
   4522
                                                                                                             6407
                                                                                                                       6408
   4611
             Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
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   4619
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6422 6436 6437					
	Diode, Rect, BY229X-600		7730	Transistor, NPN, BC847B(COL)	
6437	Diode, Rect, BYD33J	. 9337 234 20133	7731	Transistor, PNP, BC857B(COL)	3198 010 42150
	Diode, Rect, BYD33J	9337 234 20133	7732	Transistor, NPN, BC847B(COL)	3198 010 42030
6442	Zener Diode, 15 volt		7750	IC, TDA2616	
6451			7901	Transistor, NPN, BC547B(COL)	
	Diode, BAS316				
6452	Diode, BAS316	. 3198 010 10630	7902	Transistor, NPN, BC337-25(COL)	3198 020 43530
6453	Diode, BAS316	. 3198 010 10630	7905	Transistor, NPN, BC368	9332 592 40126
6454	Zener Diode, 33 volt	9340 548 71115	7906	IC, L4940V85	9322 005 46687
6456	Zener Diode, 33 volt		7907	Transistor, NPN, BC847B(COL)	
6461	Diode, Rect, BYV29X-500		7908	Transistor, PNP, BC857B(COL)	3198 010 42150
6463	Diode, Rect, BYV29X-500	. 9340 555 59127	7909	Transistor, PNP, BC857B(COL)	3198 010 42150
6465	Diode, Rect, BYV29X-500	. 9340 555 59127	8203	Cable, 4 Pin, 340mm	3104 311 05481
6466	Diode, Rect, BYV29X-500		8204	Cable, 6 Pin, 220mm	3104 311 05471
6468	Diode, Rect, BYD33D		8317	Cable, 2 Pin, 340mm	
6480	Diode, Rect, BYD33D	. 9337 234 00133	8324	Cable, 7 Pin, 560mm	3104 311 05411
6481	Zener Diode, 18 volt	. 3198 010 21890	8340	Cable, 11 Pin 480mm	3104 311 05431
6482	Diode, BAS316		8392	Cable, 3 Pin, 220mm	
	· · · · · · · · · · · · · · · · · · ·				
6492	Diode, BAS316	. 3198 010 10630	8924	Cable, 5 Pin, 280mm	3104 311 02511
6493	Zener Diode, 47 volt	. 9340 389 00115	8936	Cable, 11 Pin, 680mm	3104 311 05421
6499	Zener Diode, 8.2 volt	3198 020 58280	8951	Cable, 5 Pin, 340mm	3104 311 03491
6505	Zener Diode, 15 volt		9101	Wire Jumper	
6506	Diode, 1N4148	. 3198 010 10010	9102	Wire Jumper	3198 036 90010
6507	Diode, Rect, BYV28-200/24	. 9340 550 66112	9113	Wire Jumper	3198 036 90010
6508	Diode, Rect, BYV28-400/20	9340 549 39112	9203	Wire Jumper	3198 036 90010
6510			9204		
	Zener Diode, 15 volt			Wire Jumper	
6511	Diode, BAS316		9206	Wire Jumper	
6512	Diode, BAS316	. 3198 010 10630	9210	Wire Jumper	3198 036 90010
6513	Diode, Bridge Rect, REC GBU4K	. 3198 010 10640	9212	Wire Jumper	3198 036 90010
6514	Zener Diode, 200 volt		9217	Wire Jumper	
	The state of the s				
6515	Zener Diode, 5.6 volt		9219	Wire Jumper	
6516	Diode, BAS316	. 3198 010 10630	9221	Wire Jumper	3198 036 90010
6517	Diode, BAT85		9222	Wire Jumper	
	Diode, BAS316				
6518			9224	Wire Jumper	
6519	Diode, Rect, BYD33D	. 9337 234 00133	9226	Wire Jumper	
6600	Diode, 1N4148	. 3198 010 10010	9228	Wire Jumper	3198 036 90010
6616	Diode, BAS316	. 3198 010 10630	9229	Wire Jumper	3198 036 90010
6619	Diode, Rect, BYD33D		9230	Wire Jumper	
6620	Diode, Rect, BYV27-200		9231	Wire Jumper	
6623	Diode, BAS316	. 3198 010 10630	9232	Wire Jumper	3198 036 90010
6636	Diode, BAS316	. 3198 010 10630	9302	Wire Jumper	3198 036 90010
6660	Diode, BAT85		9401	Wire Jumper	
6665	Diode, BAS316		9402	Wire Jumper	
6731	Diode, BAS316	. 3198 010 10630	9403	Wire Jumper	3198 036 90010
6732	Diode, BAS316	. 3198 010 10630	9404	Wire Jumper	3198 036 90010
6900	Diode, BAS316		9405	Wire Jumper	
6901	Diode, 1PS76SB10		9406	Wire Jumper	
6902	Diode, 1PS76SB10	. 9340 453 90115	9407	Wire Jumper	3198 036 90010
6903	Diode, 1PS76SB10	9340 453 90115	9412	Wire Jumper	3198 036 90010
6904	Diode, 1N4148		9414	Wire Jumper	
7100	Transistor, PNP, BC557B(COL)		9418	Wire Jumper	
7101	Transistor, NPN, BC547B(COL)	. 3198 020 40030	9419	Wire Jumper	3198 036 90010
7102	Power FET, STP3NB60FP	9322 129 71687	9421	Wire Jumper	3198 036 90010
7103	Optical Coupler, TCET1103G	9322 140 14667	9423	Wire Jumper	
	Optical Coupler, TCDT1103G			-	
S 7104			9424	Wire Jumper	
7228	Transistor, NPN, PMBT2369(UAW)	. 3198 010 43360	9425	Wire Jumper	
7407	Transistor, NPN, BC847B(COL)				
E 400		3198 010 42030	9428	Wire Jumper	
7408					3198 036 90010
7408	Transistor, NPN, BC368	9332 592 40126	9429	Wire Jumper	3198 036 90010 3198 036 90010
7409	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL)	. 9332 592 40126 . 3198 010 42030	9429 9430	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010
7409 7421	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX	. 9332 592 40126 . 3198 010 42030 . 9340 210 30127	9429 9430 9431	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682	9429 9430	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682	9429 9430 9431	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440 7452	Transistor, NPN, BC368	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030	9429 9430 9431 9435 9436	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480	Transistor, NPN, BC368	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687	9429 9430 9431 9435 9436 9505	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481	Transistor, NPN, BC368	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110	9429 9430 9431 9435 9436 9505 9510	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482	Transistor, NPN, BC368	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682	9429 9430 9431 9435 9436 9505 9510 9512	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150	9429 9430 9431 9435 9436 9505 9510	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150	9429 9430 9431 9435 9436 9505 9510 9512	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, NPN, BF487	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP.	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, NPN, BC557B(COL) Optical Coupler, TCDT1102G Transistor, NPN, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 \$ 7482 7501 7502 7504 7505 7506	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP. Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9519	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, NPN, BC557B(COL) Optical Coupler, TCDT1102G Transistor, NPN, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 \$ 7482 7501 7502 7504 7505 7506 7510	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G. Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP. Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9519	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, NPN, BC847B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9519 9520 9523 9524	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP. Transistor, PNP, BC857B(COL) IC TL431ACZ-AP Transistor, NPN, BC857B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC347B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 010 42030 3198 010 42030 9332 377 80126	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9519 9520 9523 9524	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, NPN, BC847B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 010 42030 3198 010 42030 9332 377 80126	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9519 9520 9523 9524	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, NPN, BC557B(COL) Optical Coupler, TCDT1102G. Transistor, PNP, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 020 42030 9332 377 80126 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9520 9523 9524 9525	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP. Transistor, PNP, BC857B(COL) IC TL431ACZ-AP Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 010 42030 9332 377 80126 3198 010 42030 9332 377 80126 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9520 9523 9524 9528 9622	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 010 42030 9332 377 80126 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42150 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523 9524 9525 9528 9622	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 7606	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP. Transistor, NPN, BC857B(COL) IC TL431ACZ-AP Transistor, NPN, BC857B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC347B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 010 42030 9332 377 80126 3198 010 42030 93198 010 42030 93198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9520 9523 9524 9525 9528 9622 9623 9705	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 010 42030 9332 377 80126 3198 010 42030 93198 010 42030 93198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523 9524 9525 9528 9622	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 7606 8 7610	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G. Transistor, PNP, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) IC TL431ACZ-AP Transistor, NPN, BC857B(COL) IC TL431ACZ-AP Transistor, NPN, BC847B(COL) Optical Coupler, TCDT1102G	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 020 43530 3198 010 42030 9332 377 80126 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9520 9523 9522 9523 9525 9528 9622 9623 9705	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 S 7610 7620	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 020 43530 3198 010 42030 9319 002 76682	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9520 9523 9524 9522 9623 9706 9707	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 7606 S 7610 7620 7640	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL) Optical Coupler, TCDT1102G IC, TDA8177. Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 010 42030 9332 377 80126 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523 9524 9525 9528 9622 9623 9705 9706 9707	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 7606 8 7610 7620 7640 7640	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 010 42030 3198 010 42030 9332 377 80126 3198 010 42030 9319 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9529 9523 9524 9525 9528 9622 9623 9706 9706 9712 9713	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 7606 S 7610 7620 7640	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL) Optical Coupler, TCDT1102G IC, TDA8177. Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 010 42030 3198 010 42030 9332 377 80126 3198 010 42030 9319 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523 9524 9525 9528 9622 9623 9705 9706 9707	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 8 7610 7620 7640 7641 7652	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) IC TL431ACZ-AP Transistor, NPN, BC857B(COL) IC TL431ACZ-AP Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9327 136 37687 3198 010 42150 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9529 9523 9522 9523 9705 9707 9707 9712 9713	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 S 7610 7620 7640 7641 7652 7653	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9340 2129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 4250 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523 9524 9525 9524 9525 9705 9707 9712 9713 9714	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7602 7602 7603 7605 7606 S 7610 7620 7640 7641 7652 7653 7654	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N. Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G. Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP. Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523 9524 9525 9622 9623 9705 9706 9707 9712 9713 9714	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 7606 8 7610 7620 7640 7641 7652 7653 7654 7655	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9520 9523 9524 9522 9622 9623 9705 9706 9707 9712 9713 9714 9715 9718	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7602 7602 7603 7605 7606 S 7610 7620 7640 7641 7652 7653 7654	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N. Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G. Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP. Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523 9524 9525 9622 9623 9705 9706 9707 9712 9713 9714	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 7606 8 7610 7620 7640 7641 7652 7653 7654 7655	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, NPN, BF487 Power FET, STP5NB40FP Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9327 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9520 9523 9524 9522 9622 9623 9705 9706 9707 9712 9713 9714 9715 9718	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 S 7610 7620 7640 7641 7652 7653 7654 7655 7702 7720	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9523 9524 9522 9623 9705 9707 9712 9713 9714 9715 9718 9720	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 S 7482 7501 7502 7504 7505 7506 7510 7529 7600 7602 7603 7605 7606 S 7610 7620 7640 7641 7652 7653 7654 7655 7702 7720 7721	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL) IC TL431ACZ-AP S (ST00) A Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 020 43530 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9519 9520 9523 9524 9525 9622 9623 9705 9706 9707 9712 9713 9714 9715 9720 9721	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7606 8 7610 7620 7640 7641 7652 7653 7654 7655 7702 7720 7720 7721	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) IC TL431ACZ-AP IC TL431ACZ-AP Transistor, NPN, BC847B(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC37-25(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9337 626 60126 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9529 9523 9524 9522 9622 9623 9705 9706 9707 9712 9713 9714 9715 9718 9720 9721 9723 9724 9724	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 8 7610 7620 7640 7641 7652 7653 7654 7655 7702 7720 7721 7722 7723	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9332 136 37687 3198 010 42150 9322 136 37687 3198 010 42150 9322 136 37687 3198 010 42150 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9529 9523 9522 9622 9622 9622 9705 9707 9712 9713 9714 9715 9718 9720 9721 9723 9724 9724 9726 9901	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7606 8 7610 7620 7640 7641 7652 7653 7654 7655 7702 7720 7720 7721	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N Transistor, NPN, BC847B(COL) Power FET, STP3NB60FP. Transistor, PNP, BC557B(COL) Optical Coupler, TCDT1102G Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC857B(COL) IC TL431ACZ-AP IC TL431ACZ-AP Transistor, NPN, BC847B(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC337-25(COL) Transistor, NPN, BC37-25(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL) Transistor, NPN, BC857B(COL) Transistor, NPN, BC847B(COL)	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9332 136 37687 3198 010 42150 9322 136 37687 3198 010 42150 9322 136 37687 3198 010 42150 3198 010 42030	9429 9430 9431 9435 9436 9505 9510 9512 9513 9515 9516 9518 9529 9523 9524 9522 9622 9623 9705 9706 9707 9712 9713 9714 9715 9718 9720 9721 9723 9724 9724	Wire Jumper.	3198 036 90010 3198 036 90010
7409 7421 7440 7452 7480 7481 8 7482 7501 7502 7504 7505 7506 7510 7528 7529 7600 7602 7603 7605 8 7610 7620 7640 7641 7652 7653 7654 7655 7702 7720 7721 7722 7723	Transistor, NPN, BC368 Transistor, NPN, BC847B(COL) Transistor, POW, BU2520DX. IC, LM358N	9332 592 40126 3198 010 42030 9340 210 30127 9339 848 90682 3198 010 42030 9322 129 71687 3198 020 40110 9319 002 76682 3198 010 42150 9322 136 37687 3198 010 42150 9322 086 97676 3198 010 42030 3198 010 42150 3198 010 42150 3198 010 42150 3198 010 42150	9429 9430 9431 9435 9436 9505 9510 9512 9513 9516 9518 9529 9523 9522 9622 9622 9622 9705 9707 9712 9713 9714 9715 9718 9720 9721 9723 9724 9724 9726 9901	Wire Jumper.	3198 036 90010 3198 036 90010

9904	Wire Jumper	3198 036 90010	2016	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9906	Wire Jumper	3198 036 90010	2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9907	Wire Jumper	3198 036 90010	2020	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9908	Wire Jumper	3198 036 90010	2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9909	Wire Jumper	3198 036 90010	2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9910	Wire Jumper	3198 036 90010	2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9911	Wire Jumper	3198 036 90010	2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9912	Wire Jumper	3198 036 90010	2300		3198 030 41010
9914	Wire Jumper	3198 036 90010	2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9916	Wire Jumper	3198 036 90010	2303	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9917	Wire Jumper	3198 036 90010	2304		3198 016 31090
9920	Wire Jumper	3198 036 90010	2305	± · · · · · · · · · · · · · · · · · · ·	3198 017 31040
9921	Wire Jumper	3198 036 90010	2306		3198 017 34710
9922	Wire Jumper	3198 036 90010	2307		3198 017 31040
9925	Wire Jumper	3198 036 90010	2308		3198 016 31090
9926	Wire Jumper	3198 036 90010	2313		2020 319 90005
9927	Wire Jumper	3198 036 90010	2314		3198 030 41010
9928	Wire Jumper	3198 036 90010	2315		3198 017 31040
9931	Wire Jumper	3198 036 90010	2317		3198 017 22250
9932	Wire Jumper	3198 036 90010	2318		3198 017 32230
9933	Wire Jumper	3198 036 90010	2319		3198 017 31030
9934	Wire Jumper	3198 036 90010	2320		3198 016 31090
9936	Wire Jumper	3198 036 90010	2321		3198 017 31040
9943	Wire Jumper	3198 036 90010	2322		3198 017 31040
9944	Wire Jumper	3198 036 90010	2323	± · · · · · · · · · · · · · · · · · · ·	3198 017 31040
9945	Wire Jumper	3198 036 90010	2324	± 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3198 017 31030
9946	Wire Jumper	3198 036 90010	2325		3198 017 31040
9947	Wire Jumper	3198 036 90010	2328		3198 016 32290
9948	Wire Jumper	3198 036 90010	2329		3198 017 31040
9950	Wire Jumper	3198 036 90010	2330		3198 017 31040
9951	Wire Jumper	3198 036 90010	2331		3198 017 31040
9952	Wire Jumper	3198 036 90010	2332		3198 017 31040
9957	Wire Jumper	3198 036 90010	2333		3198 017 22250
9958	Wire Jumper	3198 036 90010	2334		3198 017 22250
9960	Wire Jumper		2335		3198 030 41010
9963	Wire Jumper	3198 036 90010	2336		3198 017 22250
9964	Wire Jumper	3198 036 90010	2338	± 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3198 017 31030
9965	Wire Jumper	3198 036 90010	2339		2222 580 15649
9966	Wire Jumper	3198 036 90010	2340		3198 030 41090
9967	Wire Jumper	3198 036 90010	2341		3198 030 41010
9968	Wire Jumper	3198 036 90010	2342		3198 017 31040
9969	Wire Jumper	3198 036 90010	2343		3198 023 41040
9970	Wire Jumper	3198 036 90010	2350		3198 017 31040
9971	Wire Jumper	3198 036 90010	2351		3198 017 31040
9972	Wire Jumper	3198 036 90010	2352		3198 017 31040
9975	Wire Jumper	3198 036 90010	2356		3198 017 31040
9976	Wire Jumper	3198 036 90010	2357		3198 017 31040
9980	Wire Jumper	3198 036 90010	2358		3198 017 33320
9983	Wire Jumper	3198 036 90010	2361		3198 016 31280
9984	Wire Jumper	3198 036 90010	2362		3198 016 31290
9987	Wire Jumper	3198 036 90010	2363	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
9988	Wire Jumper	3198 036 90010	2365	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9990	Wire Jumper		2366		3198 017 31040
9991	Wire Jumper	3198 036 90010	2367		3198 017 31040
9992	Wire Jumper	3198 036 90010	2368		3198 017 31040
9993	Wire Jumper	3198 036 90010	2369	Cap, 100n, 10%, 16v, Ceramic	
9996	Wire Jumper	3198 036 90010	2370	Cap, 100n, 10%, 16v, Ceramic	
9997	Wire Jumper	3198 036 90010	2371		3198 017 34720
9998	Wire Jumper	3198 036 90010	2372		3198 017 21050
			2373		3198 017 31040
Small Si	gnal Board		2374		3198 017 22250
~	Small Signal Board	2104 200 0245	2375	± 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3198 017 32230
CBA	Small Signal Board		2376		3198 017 31040
0302	2 Pin Board Connector	2422 025 16542	2377		3198 030 41010
0601	IC, ROM, SAA5677	3104 317 03902	2378	± · · · · · · · · · · · · · · · · · · ·	3198 017 31040
1001	Crystal, 12MHz	2422 543 89018	2384		3198 017 31040
S 1003	Fuse, F315MA, 32V		2395		3198 017 31040
1301	Crystal, 12MHz	2422 540 98456	2396		3198 017 31040
1303	5 Pin Board Connector	2422 025 16966	2397		3198 017 31040
1304	7 Pin Board Connector	2422 025 17104	2401	Cap, 10n, 10%, 50v, Ceramic	
1318	Crystal, 3.579545MHz	2422 543 00861	2410 2411		2222 780 15658 3198 017 31040
1407	Filter, 4.5MHz	2422 549 44043			3198 017 34720
1408	SAW Filter, 45.75MHz	2422 549 44377	2412	± 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1410	Filter, 4.5MHz		2413		3198 030 44790
1651	Crystal, 18.432MHz	2422 543 89019	2418		3198 016 31090
1680	6 Pin Board Connector	2422 025 16961	2420		3198 016 31510
1701	Crystal, 12MHz	2422 543 89018	2422		3198 017 31040
2001	Cap, 33p, 5%, 50v, Ceramic		2429		3198 017 31040
2002	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390	2501		3198 016 34790
2003	Cap, 2n2, 10%, 50v, Ceramic	3198 017 32220	2502		2222 910 19856
2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2503		2222 910 19856
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2504		2222 910 19856
2006	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2505		2222 910 19856
2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2506		2222 910 19856
2008	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2507	± · · · · · · · · · · · · · · · · · · ·	2222 910 19856
2009	Cap, 470p, 5%, 50v, Ceramic	3198 016 34710	2508	Cap, 100u, 20%, 16v, Electrolytic	
2010	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790	2510		3198 030 41090
2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790	2511		3198 030 41090
2012	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790	2512		3198 017 44740
2013	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010	2550		3198 017 33310
2014	Cap, 100n, 10%, 16v, Ceramic		2552	Cap, 470p, 10%, 50v, Ceramic	
2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2553	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2015					

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Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710 Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                          2770
                                                                                                                            3198 017 31040
                                                                          2771
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . .
2562
       Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                          2772
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                             3198 017 31040
2563
       Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                          2773
                                                                                 Cap, 1n, 5%, 25v, Ceramic. . . . . .
                                                                                                                            3198 016 31020
2564
       Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                          2774
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                            3198 017 31040
2565
       Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                          2776
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
       Cap, 1n, 5%, 25v, Ceramic. . . . . .
                                                                                                                            3198 017 31040
2566
                                                  3198 016 31020
                                                                          2785
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . .
       Cap, 1n, 5%, 25v, Ceramic. . . . . .
                                                                          2786
                                                                                                                            3198 017 31040
2567
                                                  3198 016 31020

      Cap, ln, 5%, 25v, Ceramic.
      3198 016 31020

                                                                          2788
                                                                                                                            3198 017 31040
2568
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                          2790
                                                                                                                            3198 017 31040
2569
2570
                                                                          2792
                                                                                                                            3198 017 31040
       Cap, 100n, 10%, 16v, Ceramic . . . .
2571
                                                                          2795
                                                                                                                            3198 017 31040
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
2574
                                                                          2796
2575
                                                                          2798
                                                                                 Cap, 680p, 5%, 25v, Ceramic. . . . .
                                                                                                                            3198 016 36810
2576
                                                                          2799
                                                                                 Cap, 10u, 20%, 16v, Electrolytic . . .
                                                                                                                            2020 021 91556
2577
                                                                          2908
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                            3198 017 31040
2578
       Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                          2909
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
                                                                                                                            3198 017 31040
2579
       Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                          2910
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . .
      Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
2584
                                                                          2911
2585
                                                                          2912
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
2586
                                                                          3001
2591
                                                                          3002
2593
                                                                          3003
                                                                                 Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
                                                                                 Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2594
                                                                          3004
       2595
                                                                          3005
                                                                                 Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2609
                                                                          3006
                                                                                 Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
       Cap, 2n2, 10%, 50v, Ceramic. . . . . 3198 017 32220 Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
2610
                                                                          3007
                                                                                 Res, 1K5, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 31520
2611
                                                                          3008
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 31030
       2634
                                                                          3009
                                                                                 Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34730
2640
                                                                          3010
                                                                                 Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34730
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass .
2643
                                                                          3011
                                                                                                                            3198 021 31030
       Cap, 1n, 5%, 25v, Ceramic. . . . . .
                                                  3198 016 31020
                                                                                 Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 32220
2644
                                                                          3012
       Cap, 330n, +80/-20%, 25v, Ceramic . . . 2222 910 19856 Cap, 330n, +80/-20%, 25v, Ceramic . . . 2222 910 19856
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass .
2645
                                                                          3013
                                                                                                                            3198 021 31030
2646
                                                                          3014
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34720
       Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                 Res, 470K, 5%, 1/16W, Metalized Glass. 3198 021 34740
                                                                          3015
       Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                 Res, 1K, 5%, 1/16W, Metalized Glass. .
2651
                                                                          3016
                                                                                                                            3198 021 31020
       Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34720
2652
                                                                          3017
2653
                                                                          3018
                                                                                 Res, 24K, 1%, 1/16W, Metalized Glass . 2322 704 62403
2654
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          3019
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                 Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2659
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          3021
       Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 330n, +80/-20%, 25v, Ceramic . . . 2222 910 19856
2660
                                                                          3026
                                                                                 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2661
                                                                          3027
       Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2662
                                                                          3028
       Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
                                                                                 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2663
                                                                          3029
                                                                          3030
                                                                                 Res, 4\text{K7}, 5\text{\%}, 1/16\text{W}, Metalized Glass . 3198 021 34720
       3031
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
                                                                                 Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220 Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
2666
                                                                          3032
                                                                          3033
2667
2668
                                                                          3034
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2670
       Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                          3035
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2673
       Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                          3039
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
      2674
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                          3040
2677
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                          3041
2678
                                                                          3042
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2679
                                                                          3043
2680
                                                                          3044
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                          3045
       2682
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                                                                                   Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                   Res, 10K, 5%, 1/16W, Metalized Glass .
                                                    3198 021 31030
                                                                            3755
  3467
         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
                                                                            3757
         Res, 100K, 5%, 1/16W, Metalized Glass.
                                                    3198 021 31040
                                                                            3759
  3470
         Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
                                                                            3790
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3791	Resistor Network, 4 X 100 ohm	5% 3	2198 031 11010	4951	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3792	Resistor Network, 4 X 100 ohm			4952	Res, Zero ohm, "Chip" Jumper	
3793	Resistor Network, 4 X 100 ohm			4953	Res, Zero ohm, "Chip" Jumper	
3794 3795	Resistor Network, 4 X 100 ohm Resistor Network, 4 X 100 ohm			4954 5301	Res, Zero ohm, "Chip" Jumper Coil, 6u8	
3796	Res, 100 ohm, 5%, 1/16W, Meta			5302	Coil, 6u8	
3797	Res, 100 ohm, 5%, 1/16W, Meta			5303	Res, Zero ohm, "Chip" Jumper	
3900 3901	Inductor, 100MHz, 600 ohm			5304 5305	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	
3901	Inductor, 100MHz, 600 ohm Inductor, 100MHz, 600 ohm			5305	Res, Zero ohm, "Chip" Jumper	
3903	Inductor, 100MHz, 600 ohm			5307	Res, Zero ohm, "Chip" Jumper	
3904	Inductor, 100MHz, 600 ohm			5308	Res, Zero ohm, "Chip" Jumper	
3905 3906	Inductor, 100MHz, 600 ohm Inductor, 100MHz, 600 ohm			5309 5401	Res, Zero ohm, "Chip" Jumper Coil, 390n	
3907	Inductor, 100MHz, 600 ohm			5406	Coil, 15u	
3908	Inductor, 100MHz, 600 ohm			5407	Ferrite Bead, 100MHz	
3909 3910	Inductor, 100MHz, 600 ohm Inductor, 100MHz, 600 ohm			5408 5409	Variable Coil	
3911	Inductor, 100MHz, 600 ohm.			5410	Coil, lu	
4302	Res, Zero ohm, "Chip" Jumper			5412	Res, Zero ohm, "Chip" Jumper	
4303 4304	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			5413 5414	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	
4322	Res, Zero ohm, "Chip" Jumper			5651	Ferrite Bead, 100MHz	
4326	Res, Zero ohm, "Chip" Jumper	3	3198 021 90030	5652	Ferrite Bead, 100MHz	2422 549 43769
4369 4401	Res, Zero ohm, "Chip" Jumper			5653	Ferrite Bead, 100MHz	
4401	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			5654 5656	Coil, 6u8	
4407	Res, Zero ohm, "Chip" Jumper			5663	Res, Zero ohm, "Chip" Jumper	
4409	Res, Zero ohm, "Chip" Jumper			5664	Inductor, 100MHz, 30 ohm	
4520 4522	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			5665 5701	<pre>Inductor, 100MHz, 30 ohm</pre>	
4603	Res, Zero ohm, "Chip" Jumper			5702	Ferrite Bead, 100MHz	
4604	Res, Zero ohm, "Chip" Jumper	3	3198 021 90030	5703	Inductor, 100MHz, 30 ohm	3198 018 90060
4607	Res, Zero ohm, "Chip" Jumper			5705	Ferrite Bead, 100MHz	
4608 4609	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			5706 5707	Coil, 5u6	
4610	Res, Zero ohm, "Chip" Jumper			5711	Inductor, 100MHz, 600 ohm	
4611	Res, Zero ohm, "Chip" Jumper			5713	Inductor, 100MHz, 600 ohm	
4613 4632	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			5718 5720	Coil, 330n	
4633	Res, Zero ohm, "Chip" Jumper			5798	Inductor, 100MHz, 30 ohm	
4642	Res, Zero ohm, "Chip" Jumper		3198 021 90030	5799	Inductor, 100MHz, 30 ohm	
4645 4652	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			5900 5901	Inductor, 100MHz, 30 ohm	
4682	Res, Zero ohm, "Chip" Jumper			5901	Inductor, 100MHz, 30 ohm	
4683	Res, Zero ohm, "Chip" Jumper	3	3198 021 90030	5903	Inductor, 100MHz, 30 ohm	
4684	Res, Zero ohm, "Chip" Jumper			5904	Inductor, 100MHz, 30 ohm	
4685 4686	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper		3198 021 90030 3198 021 90030	6003 6303	Diode, BAS316	
4687	Res, Zero ohm, "Chip" Jumper			6304	Diode, MCL4148	
4688	Res, Zero ohm, "Chip" Jumper			6306	Zener Diode, 5.6 volt	
4689 4712	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			6307 6309	Diode, 1PS76SB10	
4713	Res, Zero ohm, "Chip" Jumper			6310	Zener Diode, 6.8 volt	
4714	Res, Zero ohm, "Chip" Jumper	3	3198 021 90030	6311	Zener Diode, 22 volt	3198 020 52290
4715 4716	Res, Zero ohm, "Chip" Jumper			6312 6313	Diode, MCL4148 Zener Diode, 22 volt	
4717	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			6314	Diode, MCL4148	
4723	Res, Zero ohm, "Chip" Jumper			6315	Diode, MCL4148	
4724	Res, Zero ohm, "Chip" Jumper			6316	Diode, MCL4148	
4726 4732	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			6317 6319	Diode, MCL4148	
4734	Res, Zero ohm, "Chip" Jumper			6652	Zener Diode, 10 volt	
4792	Res, Zero ohm, "Chip" Jumper			6654	Diode, BAS316	
4793 4901	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			6657 6658	Zener Diode, 2.7 volt	
4902	Res, Zero ohm, "Chip" Jumper			7001	IC, SAA5677/HL/M1	
4903	Res, Zero ohm, "Chip" Jumper			7002	Transistor, PNP, BC857B(COL)	
4904 4905	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			7003 7004	Transistor, NPN, BC847BW(COL) Transistor, NPN, BC847BW(COL)	
4905	Res, Zero ohm, "Chip" Jumper			7004	IC, LD1117D33	
4907	Res, Zero ohm, "Chip" Jumper	3	3198 021 90030	7006	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
4908	Res, Zero ohm, "Chip" Jumper			7007	Transistor, NPN, PMBT2369(UAW)	
4909 4919	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			7009 7012	IC, LD1117D33	
4920	Res, Zero ohm, "Chip" Jumper			7013	Transistor, NPN, PDTC144EU	
4921	Res, Zero ohm, "Chip" Jumper			7301	IC, TDA9330H/N2/S2	
4925 4927	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			7303 7304	Transistor, NPN, BC857BW(COL) Transistor, NPN, PDTC144EU	
4927	Res, Zero ohm, "Chip" Jumper			7304	Transistor, NPN, BC847BW(COL)	
4929	Res, Zero ohm, "Chip" Jumper	3	3198 021 90030	7306	Transistor, NPN, BC847BW(COL)	3198 010 42310
4935	Res, Zero ohm, "Chip" Jumper			7308	Transistor, NPN, PDTC144EU	
4937 4938	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			7309 7310	Transistor, NPN, PDTC144EU Transistor, NPN, PDTC144EU	
4939	Res, Zero ohm, "Chip" Jumper			7311	Transistor, NPN, BC847BW(COL)	
4944	Res, Zero ohm, "Chip" Jumper			7312	Transistor, NPN, BC847BW(COL)	
4945 4946	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			7313 7314	Transistor, NPN, PMBT2369(UAW) Transistor, NPN, BC847BW(COL)	
4947	Res, Zero ohm, "Chip" Jumper			7314	Transistor, NPN, PMBT2369(UAW)	
4948	Res, Zero ohm, "Chip" Jumper	3	3198 021 90030	7318	Transistor, NPN, BC857BW(COL)	3198 010 42320
4949 4950	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			7320 7322	Transistor, NPN, BC847BW(COL) Transistor, NPN, BC847BW(COL)	
423U	nes, zero orm, errip oumper	3	JIJO 021 J0030	1244	IIIIIDIDCOI, NEN, DCOT/DW(COL)	3170 010 42310

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. . . . . . . . 9352 625 24518
          IC, TDA9321H/N2. .
                                                                                   2065
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
          Transistor, NPN, BC847CW . . . . 9340 217 80115
Transistor, NPN, BC847BW(COL) . . . 3198 010 42310
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  7375
                                                                                    2067
                                                                                           Cap, 22p, 5%, 50v, Ceramic . . . . .
                                                                                                                                          3198 016 32290
  7410
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
                                                                                   2068
                                                                                           Cap, 22p, 5%, 50v, Ceramic . . . . . . 3198 016 32290
  7411
          Transistor, NPN, BC847B(COL) . . . . .
                                                         3198 010 42030
                                                                                   2069
                                                                                           7413
          Transistor, NPN, BFS20 . . . . . . . .
                                                         9330 921 11215
                                                                                   2070
                                                                                            Cap, 22p, 5%, 50v, Ceramic .
          IC, MSP3451G-FH-B8-V3. . . . . . . . . .
  7651
                                                         9322 183 41702
                                                                                   3000
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                           Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790 Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          Transistor, NPN, BC847BPN. . . . . .
  7664
                                                         9340 425 30115
                                                                                   3001

      Transistor, NPN, BC847BPN.
      9340 425 30115

      Transistor, NPN, BC847BPN.
      9340 425 30115

      Transistor, NPN, BC857BW(COL)
      3198 010 42320

      Transistor, NPN, BC847BS
      9340 425 20115

      Transistor, NPN, BC847BS
      9340 425 20115

  7665
                                                                                   3002
                                                                                           Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                   3003
  7668
                                                                                           Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  7675
                                                                                   3004
  7678
                                                                                    3005
                                                                                           Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
          Transistor, NPN, BC857BW(COL). . . . . 3198 010 42320
                                                                                           Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7701
                                                                                    3006
          Transistor, NPN, BC847BW(COL). . . . 3198 010 42310 Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360
  7702
                                                                                            Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                    3007
  7704
                                                                                   3008
                                                                                           Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7708
          IC, SAA4990H . . . . . . . . . . . . . . 9352 067 50557
                                                                                   3009
                                                                                           Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  7709
          IC, SAA4978H/V204.
                                . . . . . . . . . . . 9352 688 09557
                                                                                   3010
                                                                                           Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620

      IC, MSM54V12222B-25JS.
      9322 183 81668

      IC, MSM54V12222B-25JS.
      9322 183 81668

      IC, MSM54V12222B-25JS.
      9322 183 81668

      32 Pin IC Socket
      2422 486 80938

      IC, M87C257-90C1
      9322 130 45648

      2002 137 03264

  7714
                                                                                   3011
                                                                                           Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
  7715
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090 Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
                                                                                   3012
  7716
                                                                                   3013
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7716
                                                                                   3014

      IC, ROM, M87C257
      ...
      ...
      3104
      317
      3241

      Software Package, FBX PICNIC
      ...
      ...
      3104
      317
      43241

      Cable, 2 Pin, 180mm
      ...
      ...
      ...
      3104
      311
      03031

                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                   3015
  7799
                                                                                   3016
                                                                                           Res, 33 ohm, 5%, 1/16W, Metalized Glass 3198 021 33390
                                                                                            Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
  8302
                                                                                   3017
          8303
                                                                                    3018
                                                                                           Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                            Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  8304
                                                                                   3019
  8680
                                                                                   3020
                                                                                           Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                                   3021
                                                                                           Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
3D Comb Filter
                                                                                   3022
                                                                                           Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          3D Comb Filter
                                                                                   3023
                                                                                           Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
         CBA
                                                                                   3024
                                                                                           Res. 330 ohm. 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                                   3025
                                                                                           Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
  1001
                                                                                           Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
                                                                                   3026
  1104
                                                                                   3027
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  1303
                                                                                           Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
                                                                                   3028
  1951
                                                                                            Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2000
                                                                                   3029
                                                                                           Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
                                                                                   3030
                                                                                           Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230 Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230
                                                                                   3031
  2002
          Cap, 22p, 5%, 50v, Ceramic . . . . . . 3198 016 32290
                                                                                   3032
  2003
  2004
          Cap, 100u, 20%, 16v, Electrolytic. . . 3198 030 41010
                                                                                   3033
                                                                                           Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 47u, 20%, 20v, Electrolytic . . . 3198 032 58170
  2005
                                                                                   3034
                                                                                           Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                           Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
  2006
                                                                                   3035
          Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
                                                                                   3036
  2008
                                                                                           Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2009
                                                                                   3037
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  2010
                                                                                   3038
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2011
                                                                                   3039
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2012
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                    3040
                                                                                            Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
          Cap, 10n, 10%, 50v, Ceramic. . . . .
                                                         3198 017 31030
                                                                                   3041
                                                                                           Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                   3042
                                                                                           Res, 3K3, 1%, 1/16W, Metalized Glass . 2322 704 73302
Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 31520
  2014
  2015
                                                                                   3043
  2016
          Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 31030
                                                                                   3044
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                   3055
                                                                                           Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
  2017
          Cap, 150p, 5%, 50v, Ceramic. . . . . . 3198 016 31510
          Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                   3056
  2018
                                                                                           Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
                                                                                   3057
  2019
                                                                                           Res, 220K, 5%, 1/16W, Metalized Glass. 3198 021 32240
Res, 27K, 5%, 1/16W, Metalized Glass. 3198 021 32730
  2020
                                                                                   3058
                                                                                   3059
  2021
          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                    3060
  2022
                                                                                           Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
  2023
                                                                                    3061
  2024
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                   3065
                                                                                           Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                   3067
                                                                                           Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  2026
  2027
                                                                                   3068
                                                                                           Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  2028
                                                                                   3069
                                                                                           Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
                                                                                           Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 31520 Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
  2029
                                                                                   3071
  2030
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                   3072
                                                                                           Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                   3073
  2031
                                                                                   3074
  2032
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
  2033
                                                                                   3076
                                                                                           Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                    3077
                                                                                            Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
  2034
                                                                                            Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  2035
                                                                                    3082
          Cap, 1u, 20%, 50v, Electrolytic. . . . 3198 030 81080
                                                                                   3083
                                                                                           Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                   3085
                                                                                           Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2037
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                   3088
                                                                                           Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
  2041
  2042
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                   3089
                                                                                           Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090 Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
          Cap, 47u, 20%, 16v, Electrolytic . . . 3198 030 44790 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  2043
                                                                                   3091
                                                                                   3095
  2044
                                                                                           Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                   3096
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
  2045
                                                                                           Res, 1K8, 5%, 1/16W, Metalized Glass . 3198 021 31820
Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
                                                                                   3097
  2046
          Cap, 47u, 20%, 16v, Electrolytic . . . 3198 030 44790
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                    3098
  2047
                                                                                           Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2048
                                                                                   3099
                                                                                           Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
  2049
          Cap, 47u, 20%, 16v, Electrolytic . . . 3198 030 44790
                                                                                    3100
                                                                                   3101
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
          Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                         3198 017 31040
                                                                                   3102
                                                                                           Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  2052
  2053
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                 S 3103
                                                                                            Res, PTC, Overload Protection. . . . 2122 662 00139
  2054
          Cap, 10u, 20%, 20v, Electrolytic . . .
                                                         3198 032 55130
                                                                                 S 3104
                                                                                           Res, PTC, Overload Protection. . . .
                                                                                                                                       . 2122 662 00139
                                                                                           2055
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                   3105
                                                                                   5000
  2056
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
          Cap, 150p, 5%, 50v, Ceramic. . . . . . 3198 016 31510
                                                                                   5001
  2057
          5003
  2059
                                                                                   5004
  2061
                                                                                           5005
  2062
                                                                                   5006
  2063
                                                                                   5007
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5008	Coil, 22u			1094	Switch 24	
5009	Coil, 22u			3088	Res, Zero ohm, "Chip" Jumper 31	
5010	Coil, 15u			3089	Res, Zero ohm, "Chip" Jumper 31	
5011	Coil, 100MHz, 120 ohm			3091	Res, 560 ohm, 5%, 1/16W, Metalized Glas 31	
5012	Coil, 100MHz, 120 ohm			3092	Res, 390 ohm, 5%, 1/16W, Metalized Glas 31	
5013	Coil, 100MHz, 120 ohm			3093	Res, 560 ohm, 5%, 1/16W, Metalized Glas 31	
5014	Inductor, 100MHz, 30 ohm			3094	Res, 270 ohm, 5%, 1/16W, Metalized Glas 31	
5015	Inductor, 100MHz, 30 ohm			3095	Res, 3K3, 5%, 1/16W, Metalized Glass . 31	
5017	Coil, 100MHz, 120 ohm			3096	Res, 1K5, 5%, 1/16W, Metalized Glass . 31	
5019 5020	Coil, 10u			4092 6092	Res, Zero ohm, "Chip" Jumper 31 Diode, BAT254 93	
5020	Coil, 100MHz, 120 ohm			0092	Diode, Baizot	140 393 00113
5021	Coil, 100MHz, 120 ohm			Ton Cont	rol Panel	
5024	Coil, 100MHz, 120 ohm			TOP COILC	Top Control Panel	
5025	Coil, 100MHz, 120 ohm				TOP CONCIOI FUNCI	
5027	Coil, 100MHz, 120 ohm	3198 018	90070	DC Shift	Panel	
5028	Coil, 100MHz, 120 ohm	3198 018	90070		DC Shift Panel	
5029	Coil, 100MHz, 120 ohm	3198 018	90070	CBA	DC Shift Panel	.04 328 12141
5030	Coil, 100MHz, 120 ohm	3198 018	90070	0317	2 Pin Board Connector 48	
6000	Diode, BAV99			0318	2 Pin Board Connector 48	22 265 20723
6001	Diode, BAV99			S 1430	Fuse, 400MA, 65V 24	
6002	Diode, BAV99			2430	Cap, 470p, 10%, 500V, Ceramic 48	
6003	LED, TLMH3100			2431	Cap, 470p, 10%, 500V, Ceramic 48	
6004	Diode, Rect, SM S1D			5430	DC Shift Coil	
6005	Diode, Rect, SM S1D			6432	Diode, Rect, BYD33V 93	
6006 6007	Diode, 1PS76SB10			6433	Diode, Rect, BYD33V 93	340 317 00133
7000	Transistor, NPN, BC847B			DAF P	1	
7000	Transistor, PNP, BC857B			DAF Pane		
7001	Transistor, NPN, BF570			CBA	DAF Panel DAF Panel	04 328 21212
7003	Transistor, PNP, BC857B			1417	2 Pin Board Connector	
7004	Transistor, NPN, BC847B			1417	2 Pin Board Connector	
7005	Transistor, PNP, BC857B			1419	2 Pin Board Connector	
7006	Transistor, NPN, BF570			1492	3 Pin Board Connector	
7007	Transistor, PNP, BC857B			1497	Contact Pin 24	
7008	Transistor, NPN, BC847B			1693	Contact Pin 24	22 034 20021
7009	Transistor, PNP, BC857B			2800	Cap, 330p, 5%, 2000v, Polypropylene 22	22 375 90495
7010	Transistor, NPN, BC847B			2809	Cap, 100u, 20%, 25v, Electrolytic 31	.98 025 31010
7011	Transistor, NPN, BC847B			2812		22 375 90175
7012	Transistor, PNP, BF550			2813		.98 025 51090
7015	Transistor, NPN, BC847B			2814		22 375 90225
7016 7017	Transistor, PNP, BC857B			2818		.98 017 01030
7017	IC, LM809M3X			2820		.98 014 02240
7019	Transistor, NPN, BC847B			2821	Cap, 68n, 5%, 400v, Metalized Polypropy	222 470 00166
7021	IC, LD1117DT33			2822		222 479 90166 .98 014 02240
7022	IC, LD1117DT25			2823		.98 025 54780
7023	IC, UPD64083GF			2824		.98 025 51090
	.,			2825		.98 014 01050
Side A/	V Panel			2890	= · · · · · · · · · · · · · · · · · · ·	22 375 90493
	Side A/V Panel			2892		.98 025 54780
CBA	Side A/V Panel	3139 137	26291	S 3807		06 204 03159
0240	11 Pin Board Connector			S 3808	Res, 15 ohm, 5%, 1/3W, Metal Film 23	06 204 03159
1254	Headphone Jack			S 3809		306 204 03109
1255	3 Pin Cinch Jack			3810	Res, 470K, 5%, 1/2W, Metalized Glass . 23	322 242 13474
1256	SVHS Jack			3811	Res, 4M7, 5%, 1/4W, Metalized Glass 23	
2286	Cap, 150p, 10%, 50v, Ceramic			3812	Res, 27K, 5%, 1/6W, Carbon Film 31	
2288 2292	Cap, 150p, 10%, 50v, Ceramic			3813		.98 011 04740
2294	Cap, 470p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic			3814 3815		322 241 53104 .98 011 01020
2296	Cap, 4n7, +80/-20%, 50v, Ceramic			3816		.98 011 01020
2297	Cap, 4n7, +80/-20%, 50v, Ceramic			3818		.98 021 51020
3285	Res, 75 ohm, 5%, 1/6W, Carbon Film			3819		.98 021 51020
3286	Res, 10 ohm, 5%, 1/6W, Carbon Film			3820	Res, 3K3, 5%, 1/10W, Metalized Glass . 31	
3287	Res, 75 ohm, 5%, $1/6W$, Carbon Film			3821		98 021 54730
3288	Res, 10 ohm, 5%, 1/6W, Carbon Film			3822		.98 021 54720
3289	Res, 1K8, 5%, 1/6W, Carbon Film			3823		.98 021 51820
3291	Res, 1K, 5%, 1/6W, Carbon Film			3824		.98 021 54720
3292	Res, 47K, 5%, 1/10W, Metalized Glass.			3826		.98 021 51230
3293 3294	Res, 1K, 5%, 1/6W, Carbon Film Res, 47K, 5%, 1/10W, Metalized Glass .			3827	Res, 5K6, 5%, 1/10W, Metalized Glass . 31	
3294 3295	Res, 4/K, 5%, 1/10W, Metalized Glass. Res, 3K9, 5%, 1/6W, Carbon Film			3830	Res, 47K, 5%, 1/10W, Metalized Glass . 31	
3295	Res, 10K, 5%, 1/10W, Metalized Glass.			3831 3832	Res, 4K7, 5%, 1/10W, Metalized Glass . 31 Res, 1K8, 5%, 1/10W, Metalized Glass . 31	98 021 54720
3297	Res, 10K, 5%, 1/10W, Metalized Glass.			3832		.98 021 51820
4241	Res, Zero ohm, "Chip" Jumper			S 3898		322 592 14217
4243	Res, Zero ohm, "Chip" Jumper			S 3899		322 592 14217
6291	Zener Diode, 12 volt			3998	Res, 120 ohm, 5%, 1/6W, Carbon Film 31	
6292	Zener Diode, 12 volt			S 5800		22 531 02437
6293	Zener Diode, 12 volt			5801	· · · · · · · · · · · · · · · · · · ·	.28 138 38881
6294	Zener Diode, 12 volt			5810		.28 138 40042
6296 6297	Zener Diode, 12 volt Zener Diode, 12 volt			6810		340 317 00133
9231	Wire Jumper			6812 7810	Zener Diode, 22 volt	.98 010 22290 322 136 03687
9231	Wire Jumper			7810 7818	Power FET, STP3NB80FP 93 Transistor, NPN, BC847B(COL) 31	
, , , ,		>0 000		7818		.98 010 42030
Top Con	trol Panel			7821		.98 010 42150
	Top Control Panel			7822		.98 010 42030
CBA	Top Control Panel	3139 178	60461	7823	Transistor, PNP, BC857B(COL) 31	
0215	3 Pin Board Connector			9805	Wire Jumper	
1091	G it is	2422 128	02742			
	Switch					
1092	Switch	2422 128	02742	Mains/Fr	ont Interface Panel	
1092 1093		2422 128	02742	Mains/Fr	ont Interface Panel Mains/Front Interface Panel	

S = Safety Part Be sure to use exact replacement part.

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Mains/Front Interface Panel. . . . . . 3139 178 65661 5 Pin Board Connector. . . . . . . . 2422 025 06353
  CBA
                                                                                    3142
                                                                                            Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                             Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                    3143
  1000
                                      . . . . . . . . 2422 128 02742
                                                                                     3144
  1002
          IR Receiver, TSOP1836UH. . . . . . . . 9322 127 54667
                                                                                    3145
  1008
          LED. . . . .
                          . . . . . . . . . . . . . . . . 9322 050 99682
                                                                                    3150
                                                                                             Res, 22 ohm, 5%, 1/10W, Metalized Glass 3198 021 52290
          Cap, 100u, 20%, 25v, Electrolytic. . . 3198 025 31010 Cap, 10n, +80/-20%, 50v, Ceramic . . . 3198 019 21030
  2001
                                                                                    3151
                                                                                             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2002
                                                                                    3401
                                                                                             Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
          Res, 470 ohm, 5%, 1/6W, Carbon Film. . 3198 011 04710
                                                                                             Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
  3001
                                                                                    3402
          Res, 1K8, 5%, 1/6W, Carbon Film. . . . 3198 011 01820 Res, 220 ohm, 5%, 1/6W, Carbon Film. . 3198 011 02210
                                                                                             Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
  3003
                                                                                    3403
                                                                                             Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
  3004
                                                                                     3404
                                                                                             Res, 1K8, 5%, 1/10W, Metalized Glass .
                                                                                                                                            3198 021 51820
                                                                                     3405
2 Tuner PIP Panel
                                                                                     3406
                                                                                             Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
                                                                                             Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
          2 Tuner PIP Panel
                                                                                     3407
                                                                                             Res, 1K8, 5%, 1/10W, Metalized Glass . 3198 021 51820
Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
                                                                                     3408
High Definition Jack Panel
                                                                                     3409
          High Definition Jack Panel
                                                                                     3410
                                                                                             Res, 820 ohm, 5%, 1/10W, Metalized Glas 3198 021 58210
          3411
                                                                                             Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
                                                                                             Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520 Res, 1K1, 1%, 1/8W, Metalized Glass. . 2322 734 61102
  1104
                                                                                     3412
          7 Pin Board Connector. . . . . 2422 025 10776 6 Pin Board Connector. . . . . . . . . . . . 2422 025 10183
  1304
                                                                                     3413
                                                                                             Res, 620 ohm, 1%, 1/8W, Metalized Glass 2322 734 66201
                                                                                     3414
  1680
                                                                                             Res, 620 ohm, 1%, 1/8W, Metalized Glass 2322 734 66201
  1990
          15 Pin Board Connector . . . . . . . . 2422 025 16257
                                                                                     3415
                                                                                             Res, 1K1, 1%, 1/8W, Metalized Glass . 2322 734 61302
Res, 1K3, 1%, 1/8W, Metalized Glass . 2322 734 61302
                                                                                     3416
  1991
          2 Pin Cinch Jack . . . . . . . . . . . . . 2422 026 04758
                                                                                     3417
  1993
          3 Pin Cinch Jack . . . . . . . . . . . . 2422 026 05079
          Res, 2K, 1%, 1/8W, Metalized Glass . 2322 734 62002
Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220
                                                                                     3419
  2101
                                                                                     3420
  2102
                                                                                     3421
                                                                                             Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
  2103
                                                                                             Res, 3K, 1%, 1/8W, Metalized Glass . . 2322 734 63002
Res, 1K, 1%, 1/8W, Metalized Glass . . 2322 734 61002
                                                                                    3422
  2104
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                    3423
  2105
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                    3424
                                                                                             Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  2107
                                                                                             Res, 1K, 1%, 1/8W, Metalized Glass . . 2322 734 61002 Res, 1K3, 1%, 1/8W, Metalized Glass . . 2322 734 61302
  2109
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                     3426
  2111
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                    3427
                                                                                             Res, 910 ohm, 1%, 1/8W, Metalized Glass 2322 734 69101
                                                                                     3428
  2113
          Cap, 220n, +80/-20%, 25v, Ceramic. . . 3198 023 22240
                                                                                             Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720
                                                                                     3429
  2115
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250 Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                     3430
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2117
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                     3431
  2119
                                                                                     3433
                                                                                             Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                            3198 021 52230
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
  2121
                                                                                     3434
                                                                                             Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
  2125
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                     3435
                                                                                             Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                            3198 021 52230
  2127
          Cap, 220n, +80/-20%, 25v, Ceramic. . . 3198 023 22240
                                                                                    3436
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                            3198 021 51020
  2131
          Cap, 100p, 5%, 50v, Ceramic. . . . . 3198 016 01010
                                                                                     3701
                                                                                             Res, 330K, 5%, 1/10W, Metalized Glass. 3198 021 53340
                                                                                             Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                     3702
  2132
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040
                                                                                             Res, 10K, 5%, 1/10W, Metalized Glass .
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040 Cap, 47p, 5%, 50v, Ceramic . . . . 3198 016 04790 Cap, 47p, 5%, 50v, Ceramic . . . . 3198 016 04790
                                                                                     3703
  2133
                                                                                                                                            3198 021 51030
                                                                                             Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                     3704
  2134
  2135
                                                                                     3705
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040 Cap, 22u, 20%, 16v, Electrolytic . . . 3198 028 22290
                                                                                     3707
                                                                                             Res, 680 ohm, 5%, 1/10W, Metalized Glas 3198 021 56810
  2400
                                                                                             Res, 82K, 5%, 1/10W, Metalized Glass . 3198 021 58230
Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
                                                                                     3715
  2403
                                                                                     3716
  2404
                                                                                             Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230 Res, 120K, 5%, 1/8W, Metalized Glass . 2322 730 61124
                                                                                     3717
  2405
          Cap, 22u, 20%, 16v, Electrolytic . . . 3198 028 22290 Cap, 22u, 20%, 16v, Electrolytic . . . 3198 028 22290
                                                                                     3718
  2406
                                                                                     3900
                                                                                             Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590
  2407
          Cap, 100u, 20%, 10v, Electrolytic. . . 3198 028 11010 Cap, 100n, +80/-20%, 25v, Ceramic. . . 3198 023 21040
  2408
                                                                                     3901
                                                                                             Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590
                                                                                     3902
                                                                                             Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590
  2700
                                                                                     3903
                                                                                             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2701
          Cap, 100n, +80/-20%, 25v, Ceramic. . . 3198 023 21040
                                                                                             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                     3904
  2702
          Cap, 100n, +80/-20%, 25v, Ceramic. . . 3198 023 21040
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                     3905
          Cap, 100n, +80/-20%, 25v, Ceramic. . . 3198 023 21040
  2703
                                                                                     3906
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
          Cap, 220p, 5%, 50v, Ceramic. . . . . . 3198 016 02210
  2704
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                     3909
          Cap, 220p, 5%, 50v, Ceramic. . . . . 3198 016 02210
  2705
          Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
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  2706
  2707
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                                                                                             Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
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                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2713
          2714
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                                                                                             Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
  2715
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                                                                                             Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
  2900
                                                                                     3915
                                                                                             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2901
          Cap, 47p, 5%, 50v, Ceramic . . . . . . 3198 016 04790
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                                                                                             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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  2904
          Cap, 100p, 5%, 50v, Ceramic. . . . . 3198 016 01010
                                                                                             Res, 3R9, 5%, 1/8W, Metalized Glass. . 2322 750 63908
          S 3940
  2905
                                                                                 S 3941
                                                                                             Res, 3R3, 5%, 1/8W, Metalized Glass. . 2322 750 63308
  2914
                                                                                     3999
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2928
                                                                                     4701
                                                                                             Res, Zero ohm, "Chip" Jumper . . . . .
                                                                                                                                            3198 021 90020
  3100
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                     6400
                                                                                                                                            3198 020 53980
  3101
                                                                                     6700
                                                                                                                                             9340 453 90115
  3102
          Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                                    6701
                                                                                                                                            9340 453 90115
                                                                                     6703
                                                                                             Diode, 1PS76SB10 . . . . . . . . . . . . .
                                                                                                                                             9340 453 90115
  3104
                                                                                             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3105
                                                                                    6900
                                                                                                                                             3198 020 56880
                                                                                     6901
                                                                                                                                             3198 020 56880
  3106
                                                                                     6902
          Res, 4\text{K7}, 5%, 1/10\text{W}, Metalized Glass . 3198 021 54720 Res, 100\text{K}, 5%, 1/10\text{W}, Metalized Glass . 3198 021 51040
                                                                                                                                             3198 020 56880
  3107
                                                                                     6903
                                                                                                                                             3198 020 56880
  3108
          Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040 Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                                     6904
                                                                                                                                             3198 020 56880
  3109
                                                                                             Zener Diode, 6.8 volt. . . . . . . .
                                                                                     6905
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  3110
                                                                                             Zener Diode, 6.8 volt. . . . . . . . .
                                                                                     6906
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  3111
          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                          3198 021 51030
                                                                                             6907
          Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                                                                                             3198 020 56880
  3112
          Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                    6908
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  3124
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                                                                                                                                            3198 020 56880
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
                                                                                    6914
                                                                                             Zener Diode, 6.8 volt. . . . . . . .
                                                                                                                                             3198 020 56880
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                                                                                    6916
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          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  3129
                                                                                    6917
                                                                                                                                             3198 020 56880
  3130
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                             IC, TDA8601T/C1. . . . . . . . . . . . . . . . . .
                                                                                    7101
                                                                                                                                             9351 538 90518
  3131
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                    7102
                                                                                             IC, 74HC4052D. . . . . . . . . . . . . . . . . 9337 148 30653 Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360 IC, M62320FP . . . . . . . . . . . . . . 9322 127 15668
                                                                                             IC, 74HC4052D. . .
                                                                                                                                            9337 148 30653
  3132
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                    7105
  3133
                                                                                    7106
  3140
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                                                                                             IC, TDA8601T/C1. . . . . . . . . . . . . . 9351 538 90518
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2/11	osons/e (concinaca)					
7108	Transistor, NPN, PMBT2369(UAW)	3198 010	43360	AC11	Chassis Frame	3104 304 22832
7108		3198 010		AC11	DAF DC Shift Bracket	
7110		3198 010				
				AC14	Connector, Support Bracket	
7400	IC, TSH93ID			AC16	3D Comb Filter Bracket	
7450	IC, TSH93ID			AC17	LOT-SSB Support	
7451	Transistor, NPN, BC847B(COL)			AC18	LOT Spacer	
7452	Transistor, NPN, BC847B(COL)			AC19	Side A/V Bracket	
7453	Transistor, NPN, BC847B(COL)			AC20	SSB Shielding, Bottom	
7700		9322 005		AC21	SSB Shielding, Top	
7713	Transistor, NPN, BC847B(COL)			AC22	SSB Shielding, Frame	
7750	IC, 74HCT4538D			AC24	Cabinet Back	
7751	IC, 74HCT4538D	9337 153	90118	AC25	Speaker, 5W, 16 ohm (2 Used)	
	_			S AC26	CRT, A68QCP891X500	
Front I/				AC27	Cabinet Front	
	Front I/O Panel			AC29	Insulator Plate	
				AC30	SSB Snap	
YPbPr 1F	H Interface + Expander			AC32	Owner's Manual (French)	
	YPbPr 1FH Interface + Expander			AC32	Owner's Manual (Spanish)	
CBA	YPbPr 1FH Interface + Expander	3104 328	10862	AC32	Owner's Manual (English)	
0025	Contact Pin	2422 034	20021	S AC33	AC Power Cord	
0224	5 Pin Board Connector	2422 025	06353	AC34	Batteries for Remote Control Transmitte	
1933	4 Pin Board Connector	2422 025	12489	AC35	Quick Use Guide (English)	
1934	6 Pin Board Connector	2422 025	10738	AC35	Quick Use Guide (Spanish)	
2801		3198 017		AC35	Quick Use Guide (French)	
2803	Cap, 2u2, +80/-20%, 10v, Ceramic			AC38	Cabinet Front Assembly (Shown Exploded)	
2805		3198 017		AC39	Torx Driver - T10 7" length	
2810		3198 025		AC40	Torx Driver - T10 10" length	
2811		3198 017		REMOTE	Remote Control Transmitter, RCEU023/02	3139 128 76712
3801	Res, 10 ohm, 5%, 1/10W, Metalized Glass				_	
3802		3198 021		CRT Pane		
3803		3198 021		~~~	CRT Panel	2122 105 22251
3804	Res, 220 ohm, 5%, 1/10W, Metalized Glas			CBA	CRT Panel	
3805	Res, 150 ohm, 5%, 1/10W, Metalized Glas			0224	7 Pin Board Connector	
3806	Res, 180 ohm, 5%, 1/10W, Metalized Glas			S 0235	Ground Clip	
3807	Res, 220 ohm, 5%, 1/10W, Metalized Glas			0236	Contact Pin	
3808	Res, 1K, 5%, 1/10W, Metalized Glass			S 0298	10 Pin CRT Socket	
3811	Res, 10 ohm, 5%, 1/10W, Metalized Glass			0340	11 Pin Board Connector	
3812		3198 021		0383	3 Pin Board Connector	
3813	Res, 39K, 5%, 1/10W, Metalized Glass.			2103	Cap, 330p, 5%, 50v, Ceramic	
3814	Res, 1K, 5%, 1/10W, Metalized Glass.			2104 2105	Cap, 330p, 5%, 50v, Ceramic Cap, 330p, 5%, 50v, Ceramic	
3815	Res, 270 ohm, 5%, 1/10W, Metalized Glas			2118	Cap, 220n, 10%, 50v, Ceramic	
3816 3817	Res, 470 ohm, 5%, 1/10W, Metalized Glas Res, 1K, 5%, 1/10W, Metalized Glass.			2300	Cap, 22u, 20%, 100v, Electrolytic	
3818	Res, 1K, 5%, 1/10W, Metalized Glass			2301	Cap, 220u, 20%, 16v, Electrolytic	
3819		2322 750		2302	Cap, 10p, 5%, 50v, Ceramic	
3821	Res, 10 ohm, 5%, 1/10W, Metalized Glass			2303	Cap, 470p, 5%, 50v, Ceramic	
3822	Res, 68K, 5%, 1/10W, Metalized Glass .			2304	Cap, 22n, 10%, 100v, Metalized Polyeste	
3823		3198 021		2306	Cap, 100n, 10%, 16v, Ceramic	
3824		3198 021		2307	Cap, 22n, 10%, 50v, Ceramic	3198 017 02230
3825	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021	53310	2308	Cap, 15p, 5%, 50v, Ceramic	3198 016 01590
3826	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021	51010	2309	Cap, 22n, 10%, 50v, Ceramic	3198 017 02230
3827	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021	51020	2310	Cap, 18p, 5%, 50v, Ceramic	3198 016 01890
3828	Res, 1K, 5%, 1/10W, Metalized Glass			2312	Cap, 22p, 5%, 50v, Ceramic	
3830	Res, 100 ohm, 5%, 1/10W, Metalized Glas			2313	Cap, 100u, 20%, 250v, Electrolytic	
3831	Res, 100 ohm, 5%, 1/10W, Metalized Glas			2315	Cap, 330p, 5%, 50v, Ceramic	
3899	Res, 75 ohm, 5%, 1/10W, Metalized Glass			2316	Cap, 100n, 10%, 250v, Metalized Polyest	
4801 4802	Res, Zero ohm, "Chip" Jumper	3198 021		2317	er	2222 375 90226
4803	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	3198 021		2318	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
4804		3198 021		2319	Cap, 10n, +80/-20%, 50v, Ceramic	
7800		3198 010		2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
7801	Transistor, PNP, BC857B(COL)	3198 010		2337	Cap, 100p, 5%, 50v, Ceramic	3198 016 31010
7802	Transistor, NPN, BC847B(COL)	3198 010		2409	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
7803		3198 010		2410	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
7804		3198 010		2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
7805		3198 010		2412	Cap, 330p, 5%, 50v, Ceramic	3198 016 33310
7806	IC, M62320FP	9322 127		2420	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
9000		3198 036		3106	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
9001		3198 036		3107	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
9002		3198 036		3109	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
9403		3198 036		3110	Res, 1K2, 1%, 3/5W, Metal Film	
9404	<u> </u>	3198 036		3111	Trim Pot, 470 ohm, 25%	2120 358 90538
9405		3198 036	90010	3113	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
9406		3198 036		3114	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
9407		3198 036		3115	Trim Pot, 470 ohm, 25%	2120 358 90538
9408		3198 036		3116	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
9409		3198 036		3117	Res, 2K7, 1%, 1/16W, Metalized Glass .	
9410		3198 036		3118	Res, 2K2, 1%, 1/16W, Metalized Glass .	
9411	Wire Jumper			3119	Res, 220 ohm, 1%, 1/16W, Metalized Glas	
				3120	Res, 270 ohm, 1%, 1/16W, Metalized Glas	
Cabinet	Parts			3121	Res, 270 ohm, 1%, 1/16W, Metalized Glas	2322 704 62701
	Cabinet Parts			3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
AC01		3141 050	00161	3123	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
AC02	Anode Lead Clip	3135 014		3124	Res, 220 ohm, 1%, $1/16W$, Metalized Glas	2322 704 62201
AC04		3139 124	31122	3125	Trim Pot, 470 ohm, 25%	
S AC05	Degaussing Coil	2422 549	43967	S 3300	Res, 5R6, 5%, 1/3W, Metal Film	
AC06	=	3139 124	33811	3301	Res, 10K, 5%, 2 1/2W, Metal Film	
AC07		3139 124		3303	Res, 10K, 5%, 1/10W, Metalized Glass .	
AC07		3139 124		3304	Res, 820 ohm, 5%, 1/10W, Metalized Glass	
AC08		3139 124		3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass	
AC09		3139 124		3308	Res, 56K, 5%, 1/10W, Metalized Glass.	
AC10	Front Interface Bracket	3139 124	3∠89⊥	3309	Res, 150 ohm, 5%, 1/10W, Metalized Glas	212TO 07T 3T2TO

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Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
          Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
  3312
          Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
  3315
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
          Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3316
  3317
  3318
          Res, 15 ohm, 5%, 1/10W, Metalized Glass 3198 021 51590
  3319
          Res, 820 ohm, 5%, 1/10W, Metalized Glas 3198 021 58210
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3320
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
  3322
          Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
  3334
          Res, 1K, 20%, 1/2W, Carbon Film. . . . 3198 013 01020 Res, 1K, 20%, 1/2W, Carbon Film. . . . 3198 013 01020
  3338
  3339
          Res, 1K, 20%, 1/2W, Carbon Film. . . . 3198 013 01020 Res, 100 ohm, 5%, 1/3W, Metal Film . . 2306 204 03101
  3340
S 3341
  3342
          Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
          Res, 2K2, 1%, 3/5W, Metal Film . . . . 2312 915 12202 Res, 33 ohm, 5%, 1/6W, Carbon Film . . 3198 011 03390
  3343
  3345
          Res, 1K5, 20%, 1/2W, Carbon Film . . . 3198 013 01520 Res, 2K2, 1%, 3/5W, Metal Film . . . 2312 915 12202
  3347
  3348
          Res, 1K, 20%, 1/2W, Carbon Film.
                                                  . . . 3198 013 01020
  3349
          Res, 470 ohm, 5%, 1/6W, Carbon Film. . 3198 011 04710
Res, 470 ohm, 5%, 1/6W, Carbon Film. . 3198 011 04710
Res, 470 ohm, 5%, 1/6W, Carbon Film. . 3198 011 04710
  3350
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  3353
          Res, 4R7, 5%, 1/6W, Carbon Film. . . .
                                                         3198 011 04780
  3355
          Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
  3356
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  3357
          Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
  3358
          Res, 390 ohm, 5%, 1/10W, Metalized Glas 3198 021 53910
          Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
  3359
          Voltage Dependent Resistor . . . . . . 2322 593 13507 Res, 100K, 1%, 3/5W, Metal Film. . . . 2312 915 11004
  3366
  3375
          Res, 100K, 1%, 3/5W, Metal Film. . . . 2312 915 11004
  3376
  3377
          Res, 100K, 1%, 3/5W, Metal Film. . . . 2312 915 11004
          Res, 4R7, 5%, 1/16W, Metalized Glass . 3198 021 34780
  3378
  3379
          Res, 4R7, 5%, 1/6W, Carbon Film. . . . 3198 011 04780
  3398
          Res, 4K7, 5%, 1/6W, Carbon Film. . . . 3198 011 04720
          Res, 39 ohm, 5%, 1/4W, Carbon Film . . 2120 101 74399
Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
Res, 100K, 5%, 1/6W, Carbon Film . . . 3198 011 01040
  3405
  3410
  3411
          Res, 15 ohm, 5%, 1/8W, Metalized Glass 2322 750 61509
S 3412
  3413
          Res, 1K, 5%, 1/16W, Metalized Glass. .
                                                         3198 021 31020
          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  3414
  3416
          Res, 39 ohm, 5%, 1/4W, Carbon Film . . 2120 101 74399
          Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020

Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
  4115
  4301
  4302
          Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90030
  6100
          Zener Diode, 5.6 volt. . . . . . . . . . . . . . 3198 020 55680
  6305
          Diode, BAS321. . . . . . . . . . . . . . . . . .
                                                         9340 553 52115
  6306
          Diode, BAS321. . . . . . . . . . . . . . . . . . .
                                                         9340 553 52115
  6307
          Diode, BAS321. . . . . . . . . . . . . . . .
                                                         9340 553 52115
          6308
                                                         9322 128 15685
                                                         9322 128 15685
  6309
          Transistor, NPN, BF199 . . . . . . .
  7300
                                                         9330 634 20126
          7301
                                                         9330 921 11215
  7302
                                                         9322 166 55682
          Transistor, NPN, 2SC3421 . . . . . .
                                                         9322 166 56682
  7303
                                                         9337 223 50215
  7304
          Transistor, PNP, BF824 . . . . . . . .
         Transistor, PNP, BF624
IC, TDA6103Q/N3
Transistor, NPN, BFS20
Wire Jumper
          IC, TDA6103Q/N3. . . . . . . . . . . . . . . . .
  7307
                                                         9352 079 80112
  7308
                                                         9330 921 11215
  9301
                                                         3198 036 90010
  9302
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  9305
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  9337
          3198 036 90010
  9401
          3198 036 90010
  9403
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Large S:	gnal Panel		2480	Cap, 4n7, 10%, 50v, Polyester	3198 014 04720
	Large Signal Panel		2485	Cap, 10n, 2%, 63v, Polypropylene	
CBA	Large Signal Panel	3104 328 25201	2489	Cap, 47u, 20%, 25v, Electrolytic	
S 0010 S 0020		2422 025 16374	2492 2493	Res, Zero ohm, "Chip" Jumper	
0150	2 Pin Board Connector		2493	Cap, 22n, +80/-20%, 50v, Ceramic Cap, 220n, 10%, 16v, Ceramic	
0153	Fuse Holder		2495	Cap, 220n, 10%, 16v, Ceramic	
0203	4 Pin Board Connector		2496	Cap, 100n, 10%, 50v, Ceramic	
0204	6 Pin Board Connector		2497	Cap, 220n, +80/-20%, 25v, Ceramic	
0317	2 Pin Board Connector		2498	Cap, 100n, 10%, 16v, Ceramic	
0324	7 Pin Board Connector	2422 025 04855	2499	Cap, 3n3, 10%, 50v, Ceramic	
0325	3 Pin Board Connector		2501	Cap, 2n2, 10%, 1000v, Ceramic	
0390		2412 020 00725	2502	Cap, 2n2, 10%, 50v, Ceramic	
1001			2503	Cap, 33n, 10%, 100v, Metalized Polyeste	
S 1002	Relay, 5 Amp, 5V		S 2505 2506	Cap, 3n3, 20%, v, Ceramic Cap, 470n, 10%, 100v, Metalized Polyest	2020 554 90174
1200 S 1401	Tuner		2300	er	2222 365 25474
S 1501			2507	Cap, 470n, 20%, 275v, Metalized Polypro	2222 303 23474
S 1501	Fuse, F2A5, 250V			pylene	2222 336 29148
1735		2422 025 16407	2509	Cap, 2n2, 10%, 1000v, Ceramic	3198 019 52220
1736	3 Pin Board Connector	2422 025 16382	2510	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
1900	12 Pin Cinch Jack	2422 026 05064	2511	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
1901	SVHS Jack	2422 026 04926	2512	Cap, 1000u, 20%, 35v, Electrolytic	3198 026 41020
1923	80 Pin SIMM Socket		2513	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
1924	5 Pin Board Connector		2514	Cap, 330p, 10%, 50v, Ceramic	3198 017 03310
1936	11 Pin Board Connector		2515	Cap, 47u, 20%, 160v, Electrolytic	
1940 1943	11 Pin Board Connector		2518 2519	Cap, 150p, 10%, 500v, Ceramic Cap, 2n2, 10%, 500v, Ceramic	3198 019 41510
1945	3 Pin Board Connector		2520	Cap, 100n, 10%, 16v, Ceramic	
1946	2 Pin Board Connector		2521	Cap, 270p, 5%, 50v, Ceramic	
1947	5 Pin Board Connector		2529	Cap, 470u, 20%, 6.3v, Electrolytic	
1951	5 Pin Board Connector		2530	Cap, 470n, +80/-20%, 16v, Ceramic	
S 1975	Fuse, 250MA, 65V		2531	Cap, 1n5, 10%, 500v, Ceramic	
2101	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220	2536	Cap, 1u, 20%, 50v, Electrolytic	3198 025 51080
2102	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790	S 2537	Cap, 22n, 20%, 275v, Metalized Polyprop	
2104		3198 026 22220		ylene	2222 336 29139
2106		3198 017 04720	2538	Cap, 4n7, 10%, 50v, Ceramic	
2108	Cap, 10n, 10%, 400v, Metalized Polyeste		2601	Cap, 1u, 10%, 50v, Polyester	
2109	Cap, 1u, +80/-20%, 16v, Ceramic		2602	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
2110 S 2112	Cap, lu, +80/-20%, 16v, Ceramic Cap, 100n, 20%, 275v, Metalized Polypro	3198 017 21050	2603 2604	Cap, 2u2, +80/-20%, 10v, Ceramic Cap, 10u, 20%, 50v, Electrolytic	
5 2112		2222 336 29144	2604	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
2113	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720	2607	Cap, 2u2, 20%, 100v, Electrolytic	3198 025 72280
2115	= 1	3198 017 21050	2609	Cap, 220u, 20%, 16v, Electrolytic	3198 025 22210
2116		3198 017 21050	2610	Cap, 470n, 10%, 25v, Ceramic	2020 552 96465
2117	Cap, 220p, 10%, 500v, Ceramic	3198 019 42210	2611	Cap, 330n, 10%, 16v, Ceramic	2222 780 15656
2120	Cap, 100n, 10%, 50v, Polyester	3198 014 01040	2620	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
2132	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720	2621	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
2200	Cap, 470u, 20%, 10v, Electrolytic	3198 025 14710	2622	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
2201	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240	2624	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
2202	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814	2625	Cap, 470n, 10%, 50v, Polyester	
2203	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790	2627	Cap, 1u, 20%, 100v, Electrolytic	3198 025 71080
2400 2402		2020 021 91139 3198 019 43320	2639 2640	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654 3198 025 54780
2408		3198 016 01010	2641	Cap, 100n, 10%, 50v, Ceramic	
2411		3198 017 01040	2642	Cap, 100u, 20%, 50v, Electrolytic	
2412	Cap, 100n, +80/-20%, 25v, Ceramic		2643	Cap, 100n, 10%, 50v, Ceramic	
2413	Cap, 10u, 20%, 50v, Electrolytic		2653	Cap, 1n, 5%, 50v, Ceramic	
2414	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040	2704	Cap, 47u, 20%, 50v, Electrolytic	3198 025 54790
2415	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210	2730	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
S 2416		2020 554 90129	2731	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
2417		3198 023 22240	2732	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
2419		2020 558 90483	2733	Cap, 100u, 20%, 50v, Electrolytic	
2420 2421	Cap, 1n8, 5%, 2000v, Polypropylene Cap, 1u2, 5%, 250v, Metalized Polypropy	2222 375 90237	2734 2735	Cap, 22u, 20%, 50v, Electrolytic Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290 3198 025 52290
2421	lene	2022 333 00097	2738	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
2424	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020	2739	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
2425	-	2222 375 90179	2756	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
2426	Cap, 18n, 5%, 630v, Polypropylene		2758	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
2429	Cap, 4n7, 10%, 400v, Metalized Polyeste	2222 365 55472	2760	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
2430	Cap, 10n, 10%, 100v, Metalized Polyeste	2222 365 85103	2761	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
2431	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020	2765	Cap, 100u, 20%, 50v, Electrolytic	
2433	Cap, 680n, 5%, 250v, Metalized Polyprop		2767	Cap, 220u, 20%, 25v, Electrolytic	3198 025 32210
0.40.5	ylene	2022 333 00091	2782	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
2436	Cap, 1u, 20%, 160v, Electrolytic	2020 021 90561	2784	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
2445		3198 023 22240	2785	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
2446		3198 016 04710	2788 2905	Cap, 470p, 10%, 50v, Ceramic Cap, 3u3, 20%, 16v, Electrolytic	3198 017 04710 3198 026 23320
2447 2448		3198 016 04710 3198 016 04710	2905	Cap, 100p, 5%, 50v, Ceramic	3198 026 23320
2440	Cap, 100n, 10%, 100v, Metalized Polyest	2170 010 01/1U	2910	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	er	2222 365 85104	2912	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
2454	Cap, 1u, 10%, 16v, Ceramic	2020 552 96448	2913	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
2455	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710	2914	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
2460	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320	2917	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
2461	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710	2920	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
2462		3198 026 32220	2921	Cap, 1n, 5%, 50v, Ceramic	3198 016 01020
2463	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710	2923	Cap, 330p, 5%, 50v, Ceramic	3198 016 03310
2464		3198 026 32220	2925	Cap, 330p, 5%, 50v, Ceramic	
2465 2468	Cap, 470p, 10%, 500v, Ceramic Cap, 4u7, 20%, 350v, Electrolytic	3198 019 44710 2020 021 91304	2926 2927	Cap, 470u, 20%, 6.3v, Electrolytic Cap, 47u, 20%, 50v, Electrolytic	3198 025 04710 3198 025 54790
2468		3198 019 61520	2928	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 023 34790
2409			2941	Cap, 6n8, 10%, 50v, Ceramic	
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Cap, 6n8, 10%, 50v, Ceramic. . . . . 3198 017 06820 Cap, 1u, 20%, 50v, Electrolytic. . . . 3198 025 51080 Cap, 47n, 10%, 25v, Ceramic. . . . . 3198 023 04730
                                                                               3497
                                                                                      Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                               3498
                                                                                      Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2952
                                                                             S 3500
                                                                                       Res, 0R47, 10%, 7W, Wire Wound . . . .
                                                                                                                                   2322 252 41477
                                              . . . 3198 023 04730
  2953
          Cap, 47n, 10%, 25v, Ceramic. .
                                                                             S 3501
                                                                                       Res, 220 ohm, 20%, 1/2W, Carbon Film .
                                                                                                                                   3198 013 02210
  3101
          Res, 3M3, 5%, 1/4W, Metalized Glass. . 2322 241 53335
                                                                             S 3502
                                                                                       Res, 4M7, 5%, 1/2W, Metalized Glass. .
                                                                                                                                   2322 242 13475
  3102
         Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                             S 3503
                                                                                      Res, 4M7, 5%, 1/2W, Metalized Glass. .
                                                                                                                                   2322 242 13475
  3103
         Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                               3504
                                                                                      Res, 470 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                   3198 011 04710
         Res, 47 ohm, 5%, 1/6W, Carbon Film . .
  3104
                                                      3198 011 04790
                                                                               3505
                                                                                      Res, 68K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 56830
                                                                                       Res, 47K, 5%, 1/10W, Metalized Glass .
         Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                               3506
                                                                                                                                   3198 021 54730
  3105
         Res, 1K, 5%, 1/6W, Carbon Film . . . .
                                                                                       Res, 160K, 1%, 3/5W, Metal Film. . . .
  3106
                                                      3198 011 01020
                                                                               3507
                                                                                                                                   2312 915 11604
         Res, 1K, 5%, 1/6W, Carbon Film . . . 3198 011 01020
Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
                                                                                      Res, 6K8, 5%, 1W, Metal Film . . . . .
                                                                                                                                   3198 012 16820
  3107
                                                                             S 3508
  3108
                                                                            S 3509
                                                                                       VDR, 800V. .
                                                                                                                                   2322 595 90025
         Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                      Res, 2K, 1%, 1/8W, Metalized Glass . .
                                                                                                                                   2322 734 62002
  3109
                                                                               3510
  3110
          Res, 10 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03109
                                                                               3511
                                                                                       Res, 3K9, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                   3198 011 03920
                                                                                       Res, 68K, 5%, 1/6W, Carbon Film. . . .
         Res, 22 ohm, 5%, 1/6W, Carbon Film . .
                                                      3198 011 02290
                                                                               3512
                                                                                                                                   3198 011 06830
  3113
  3114
         Res, 220 ohm, 5%, 1/6W, Carbon Film. . 3198 011 02210
                                                                               3513
                                                                                      Res, 330K, 5%, 1W, Metal Film. . . . .
                                                                                                                                   2322 193 53334
  3117
         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
                                                                               3514
                                                                                      Res, 1R2, 5%, 1W, Metal Film . . . . .
                                                                                                                                   2322 193 53128
         Res, 4R7, 5%, 1/6W, Carbon Film. . . . 3198 011 04780 Res, 33 ohm, 5%, 1/6W, Carbon Film . . 3198 011 03390
  3118
                                                                               3515
                                                                                      Res, OR68, 5%, 3/5W, Metal Film. . . .
                                                                                                                                   3198 012 16870
                                                                                      Res, 4K7, 5%, 1/10W, Metalized Glass .
  3119
                                                                               3517
                                                                                                                                   3198 021 54720
                                                                                      Res, 100K, 5%, 1/6W, Carbon Film . . .
         Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                                                                   3198 011 01040
  3120
                                                                               3518
         Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                                      Res, 22K, 5%, 1/10W, Metalized Glass.
  3121
                                                                               3519
                                                                                                                                   3198 021 52230
         Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01020 Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890 Res, 15 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01590 Res, 10K, 5%, 1/6W, Carbon Film . . . 3198 011 01030 Res, 5K6, 5%, 1/6W, Carbon Film . . . 3198 011 05620
                                                                                      Res, 33K, 5%, 2 1/2W, Metal Film . . . Res, 1M, 5%, 1/2W, Metalized Glass . .
                                                                             S 3520
                                                                                                                                   3198 012 33330
  3123
  3124
                                                                            S 3521
                                                                                                                                   2322 242 13105
                                                                                       Res, 6K8, 5%, 1/6W, Carbon Film. . . . 3198 011 06820
  3125
                                                                               3522
                                                                               3523
                                                                                      Res, 1M, 5%, 1/10W, Metalized Glass. . 3198 021 51050 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  3127
                                                                               3524
  3130
         Res, 47 ohm, 5%, 1/6W, Carbon Film . . 3198 011 04790
                                                                               3525
                                                                                       Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
  3148
         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                               3526
                                                                                      Res, OR1, 5%, 3/5W, Metal Film . . . . 3198 012 11070
  3200
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                               3527
                                                                                      Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
  3201
         Res, 100 ohm, 5%, 1/10\text{W}, Metalized Glas 3198 021 51010
                                                                               3528
                                                                                      Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
         3202
                                                                               3529
                                                                                      Res. 680 ohm. 5%, 1/10W, Metalized Glas 3198 021 56810
                                                                                      Res, 68K, 5%, 1/6W, Carbon Film. . . . 3198 011 06830
  3203
                                                                               3530
                                                                                      Res, 10K, 5%, 1/10W, Metalized Glass .
 3230
                                                                                                                                   3198 021 51030
                                                                               3531
                                                                            S 3532
                                                                                      Res, PTC, 1R5, Degaussing. . . . . . 2322 662 96753
  3237
                                                                                       Res, 15 ohm, 5%, 1/10W, Metalized Glass 3198 021 51590
                                                                               3533
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                       Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
  3403
                                                                               3535
         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
                                                                                       Res, 680K, 5%, 1/10W, Metalized Glass. 3198 021 56840
  3404
                                                                               3536
  3406
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                               3537
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
  3407
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                               3540
                                                                                      Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
  3408
         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                               3541
                                                                                      Res, 2K2, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 52220
         Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
  3409
                                                                               3542
                                                                                      Res, OR1, 5%, 3/5W, Metal Film . . . . 3198 012 11070
                                                                                      Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
         Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
Res, 39 ohm, 5%, 1/4W, Carbon Film . . 2120 101 74399
  3410
                                                                               3543
                                                                                      Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54/70
Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54/70
Res, 470 ohm, 5%, 1/10W, Metalized Glass 3198 021 54/710
  3411
                                                                               3544
  3414
         Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
                                                                               3545
         Res, 15 ohm, 5%, 2 1/2W, Metal Film. . 3198 012 31590
Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
                                                                               3550
                                                                                      Res, 220 ohm, 20%, 1/2W, Carbon Film . 3198 013 02210
                                                                                      Res, 470K, 1%, 3/5W, Metal Film. . . . 2312 915 14704
                                                                               3600
          Res, 68K, 1%, 3/5W, Metal Film . . . . 2312 915 16803
                                                                               3601
                                                                                       Res, 220K, 1%, 3/5W, Metal Film.
                                                                                                                                   2312 915 12204
         Res, 330 ohm, 5%, 1/3W, Metal Film . . 2306 204 03331 Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230
S 3431
                                                                                      Res, 8K2, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 58220
                                                                               3602
S 3436
                                                                               3603
                                                                                      Trim Pot, 470 ohm. .
                                                                                                                                   2120 368 90118
                                                                                      Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3439
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                               3604
  3440
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                               3605
                                                                                      Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
         Res, 1M, 5%, 1/10W, Metalized Glass. . 3198 021 51050 Res, 470K, 5%, 1/10W, Metalized Glass. 3198 021 54740
                                                                                      Res, 1K, 5%, 1/10W, Metalized Glass. .
  3441
                                                                               3606
                                                                                                                                   3198 021 51020
  3442
                                                                                      Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 52230
                                                                               3607
         Res. 100 ohm. 5%, 1/10W. Metalized Glas 3198 021 51010
                                                                                      Res, 22K, 5%, 1/10W, Metalized Glass.
  3443
                                                                               3608
                                                                                                                                   3198 021 52230
         Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930
Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
  3444
                                                                               3609
                                                                                      Trim Pot, 22k. . . . . . . . . . . . . . . . .
                                                                                                                                   2120 368 90124
                                                                                      Res, 22K, 5%, 1/10W, Metalized Glass .
  3445
                                                                               3610
                                                                                                                                   3198 021 52230
          Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                                       Res, 270K, 5%, 1/8W, Metalized Glass .
                                                                                                                                   2322 730 61274
  3446
         Res, 22 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03229 Res, 15K, 5%, 1/6W, Carbon Film. . . . 3198 011 01530
S 3447
                                                                               3616
                                                                                      Res, 470K, 5%, 1/6W, Carbon Film . . .
                                                                                                                                   3198 011 04740
  3450
                                                                               3617
                                                                                       Res, 1K, 5%, 1/6W, Carbon Film . . . .
                                                                                                                                   3198 011 01020
         Res, 8K2, 5%, 1/6W, Carbon Film. . . . 3198 011 08220 Res, 82 ohm, 5%, Metalized Glass . . . 2120 108 30829
  3451
                                                                               3618
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                   3198 021 51020
  3452
                                                                               3619
                                                                                      Res, 5K6, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 55620
  3454
         Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
                                                                               3620
                                                                                      Res, 4R7, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                   3198 011 04780
         Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
  3455
                                                                               3621
                                                                                      Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
                                                                                                                                   3198 011 01080
         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710 Res, 1R5, 5%, 1/2W, Metal Film . . . . 2306 207 03158
                                                                                      Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
  3458
                                                                               3622
                                                                                                                                   3198 011 01080
                                                                                      Res, 22K, 5%, 1/10W, Metalized Glass .
  3459
                                                                               3623
                                                                                                                                   3198 021 52230
                                                                                      Res, 1R5, 5%, 1/3W, Metal Film . . . .
S 3460
         Res, 1R5, 5%, 1/2W, Metal Film . . . .
                                                      2306 207 03158
                                                                             S 3624
                                                                                                                                   2306 204 03158
  3461
          Res, 1R5, 5%, 1/2W, Metal Film . . . . 2306 207 03158
                                                                               3626
                                                                                      Res, 270 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                   3198 011 02710
                                                                                       Res, 1M, 5%, 1/6W, Carbon Film . . . .
  3462
          Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                               3627
                                                                                                                                   3198 011 01050
          Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                                       Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
  3463
                                                                               3628
                                                                                                                                   3198 011 01080
S 3464
         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                               3630
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                   3198 021 51020
S 3465
          Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                               3631
                                                                                       Res, 4K7, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 54720
S 3466
         Res, 2R2, 5%, 1/3W, Metal Film . . . . 2306 204 03228
                                                                               3632
                                                                                      Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 51030
S 3467
         Res, 2R2, 5%, 1/3W, Metal Film . . . . 2306 204 03228
                                                                               3633
                                                                                      Res. 150K, 5%, 1/10W, Metalized Glass.
                                                                                                                                   3198 021 51540
         Res, 6R8, 5%, 1/2W, Metal Film . . . . 2306 207 03688
                                                                                      Res, 1K, 5%, 1/10W, Metalized Glass. .
S 3468
                                                                               3634
                                                                                                                                   3198 021 51020
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                      Res, 1K5, 5%, 1/10W, Metalized Glass .
  3470
                                                                               3635
                                                                                                                                   3198 021 51520
                                                                                      Res, 270K, 5%, 1/8W, Metalized Glass.
  3471
         Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
                                                                                                                                   2322 730 61274
                                                                               3636
  3472
         Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930
                                                                                      Res, 470K, 5%, 1/10W, Metalized Glass.
                                                                                                                                   3198 021 54740
                                                                               3639
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                               3640
                                                                                      Res, 22K, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                   3198 011 02230
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                               3641
                                                                                      Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 51030
          Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass .
  3475
                                                                               3642
                                                                                                                                   3198 021 51030
  3476
          Res, 220K, 5%, 1/6W, Carbon Film . . . 3198 011 02240
                                                                                       Res, 33K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 53330
                                                                               3643
  3477
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                               3644
                                                                                      Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 51030
  3478
         Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                               3645
                                                                                      Res, 330K, 5%, 1/6W, Carbon Film . . . 3198 011 03340
                                                                                      Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  3479
         Res, 100 ohm, 5%, 1 1/3W, Metal Film . 3198 012 21010
                                                                               3652
         Res, 100 ohm, 5%, 1/6W, Carbon Film. .
  3481
                                                      3198 011 01010
                                                                               3653
                                                                                      Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
         Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                      3198 021 51020
  3484
                                                                               3654
                                                                                      LED
         Res, 1K, 5%, 1/10W, Metalized Glass. .
  3485
                                                      3198 021 51020
                                                                               3654
                                                                                      LED
          Res, 4K7, 5%, 1/10W, Metalized Glass .
  3486
                                                      3198 021 54720
                                                                               3661
                                                                                      Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                   3198 021 51020
          Res, 22K, 5%, 1/10W, Metalized Glass .
                                                      3198 021 52230
                                                                               3663
                                                                                      Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 51030
  3487
          Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                               3701
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 51030
          Res, 33K, 1%, 3/5W, Metal Film . . . .
                                                      2312 915 13303
                                                                               3702
                                                                                      Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                   3198 021 51030
  3495
         Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
                                                                               3705
                                                                                      Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220
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Res, Zero ohm, "Chip" Jumper . . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
         Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                             4617
                                                                                                                                                             3198 021 90020
3711
                                                                                              4702
                                                                                                       Res, Zero ohm,
                                                                                                                            "Chip" Jumper . . . . .
                                                                                                                                                              3198 021 90020
                                                                                                                           "Chip" Jumper
                                                                                                                            "Chip" Jumper . . . . .
3714
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                              4707
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3715
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                              4710
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3716
         Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
                                                                                              4722
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3717
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                              4723
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3730
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                              4724
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                                                                              3198 021 90020
3731
                                                                                              4901
                                                                                                       Res, Zero ohm,
3732
         Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
                                                                                              4902
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3733
         Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
                                                                                              4904
                                                                                                                                                              3198 021 90020
                                                                                                       Res, Zero ohm,
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
3734
                                                                                              4906
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3735
                                                                                              4908
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
3736
                                                                                              4910
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3737
                                                                                              4911
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
                                                                                                       Res, Zero ohm,
3738
         Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
                                                                                              4915
                                                                                                                                                              3198 021 90020
3739
         Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
                                                                                              4916
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3740
         Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
                                                                                              4919
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
         Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
3741
                                                                                              4920
                                                                                                                                                              3198 021 90020
                                                                                                       Res, Zero ohm,
3742
                                                                                                                                                              3198 021 90020
                                                                                              4921
                                                                                                       Res, Zero ohm,
3743
                                                                                                                                                              3198 021 90020
                                                                                              4923
                                                                                                       Res, Zero ohm,
         Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
3744
                                                                                              4924
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3745
                                                                                              4926
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
3750
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                                              4927
                                                                                                       Res, Zero ohm,
                                                                                                                                                              3198 021 90020
                                                                                                      Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51040
Res, 100K, 5%, 1/10W, Metalized Glass . 3198 021 51040
Res, 8R2, 5%, 1/8W, Metalized Glass . 2322 730 61828
3756
                                                                                              4928
                                                                                                                                                              3198 021 90020
3757
                                                                                              4929
                                                                                                                                                              3198 021 90020
3758
                                                                                              4930
                                                                                                                                                              3198 021 90020
3762
                                                                                              4932
                                                                                                                                                             3198 021 90020
3765
         Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
                                                                                              4933
                                                                                                                                                              3198 021 90020
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 150K, 5%, 1/10W, Metalized Glass . 3198 021 51540 Res, 8R2, 5%, 1/8W, Metalized Glass . 2322 730 61828
3770
                                                                                                                                                              3198 021 90020
                                                                                              4934
3773
                                                                                                                                                              3198 021 90020
                                                                                              4935
3789
                                                                                                                                                              3198 021 90020
                                                                                              4937
3790
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                                                                              3198 021 90020
                                                                                              4938
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                              4939
                                                                                                                                                              3198 021 90020
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
3908
                                                                                              4941
                                                                                                                                                              3198 021 90020
3909
                                                                                              4945
                                                                                                       Res, Zero ohm, "Chip" Jumper . . . . .
                                                                                                                                                              3198 021 90020
                                                                                                       3910
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                              4946
                                                                                                                                                              3198 021 90020
3911
               75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                                              4947
                                                                                                                                                              3198 021 90020
         Res,
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
3912
                                                                                           S 5101
                                                                                                       Standby Power Transformer. . . . . .
                                                                                                                                                             2422 531 02449
                                                                                                       3913
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                                             5102
                                                                                                                                                              3198 018 28280
         Res, 75 ohm, 5%, 1/0W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 6R8, 5%, 1/3W, Metal Film . . . . 2306 204 03688
3914
                                                                                              5103
                                                                                                                                                              2422 535 95748
3915
                                                                                              5104
                                                                                                                                                              3198 018 90020
3919
                                                                                              5105
                                                                                                                                                              2422 535 95748
3920
                                                                                              5106
                                                                                                                                                              3198 018 11080
                                                                                              5110
                                                                                                                                                              3198 018 90020
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                              5115
                                                                                                                                                              3198 018 90020
3929
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                              5120
                                                                                                        Coil, 680n . . . . . . . . . . . . . . . . .
                                                                                                                                                              3198 018 16870
3930
         Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
                                                                                              5200
                                                                                                       Coil, 6u8. .
                                                                                                                                                              2422 535 94267
3932
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                                             5203
                                                                                                       Inductor, 100MHz, 600 ohm. . . . . . Inductor, 100MHz, 600 ohm. . . . . . Inductor, 100MHz, 600 ohm. . . . . .
                                                                                                                                                             3198 018 90080
3935
                                                                                              5204
                                                                                                                                                             3198 018 90080
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
3936
                                                                                             5205
                                                                                                                                                              3198 018 90080
                                                                                                       3937
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                                             5400
                                                                                                                                                              3198 018 73390
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
3940
                                                                                                                                                              2422 531 02447
                                                                                           S 5410
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
3941
                                                                                             5411
                                                                                                                                                              2422 535 95339
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
3944
                                                                                                       Coil, 4u0. . .
                                                                                                                                                              2422 536 00413
                                                                                              5421
                                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
3946
                                                                                              5422
                                                                                                                                                              2422 531 02357
         Res, 1K8, 5%, 1/6W, Carbon Film. . . . 3198 011 01820
                                                                                                       2422 535 95097
3950
                                                                                              5426
                                                                                                       Line Output Transformer.

Ferrite Bead, 100MHz

Ferrite Bead, 100MHz

Ferrite Bead, 100MHz
         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
3955
                                                                                          S 5430
                                                                                                                                                              2422 531 02601
                                                                                                                                                             3198 018 90020
3970
         Res, 120 ohm, 5%, 1/10W, Metalized Glas 3198 021 51210
                                                                                             5461
         Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720 Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
3971
                                                                                              5463
                                                                                                                                                              3198 018 90020
3972
                                                                                             5465
                                                                                                       3198 018 90020
3975
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                             5466
                                                                                                                                                              3198 018 71090
         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
3991
                                                                                              5467
                                                                                                                                                              3198 018 90020
3992
         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
                                                                                             5468
                                                                                                                                                              3198 018 72290
3993
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                              5469
                                                                                                                                                              3198 018 11890
3995
        Wire Jumper. . . . . . . . . . . . . . . . . . 3198 036 90010
                                                                                              5494
                                                                                                                                                              2422 535 94095
3996
                                                                                          S 5503
                                                                                                                                                              2422 549 44362
3997
                                                                                              5505
                                                                                                                                                              3198 018 90020
4102
                                                                                           S 5506
                                                                                                                                                              2422 531 98042
4401
                                                                                             5507
                                                                                                                                                              3198 018 90020
4402
                                                                                              5508
                                                                                                                                                              3198 018 90020
4403
                                                                                              5510
                                                                                                                                                              3198 018 90020
                                                                                                       Ferrite Bead, 100MHz
Coil, 90n.
Diode, Rect, BYD33D.
Zener Diode, 15 volt
Zener Diode, 24 volt
Diode, BAT85
Diode, BAT85
Diode, BAT85
Diode, Rect, SB360L-7024
Diode, 1N4148
4405
                                                                                             5620
                                                                                                                                                              2422 535 95444
4406
                                                                                             6103
                                                                                                                                                              9337 234 00133
4407
                                                                                                                                                              3198 010 21590
                                                                                             6105
4408
                                                                                                                                                              9331 669 60133
                                                                                             6106
4409
                                                                                             6108
                                                                                                                                                              9336 247 60133
4410
                                                                                              6110
                                                                                                                                                              9336 247 60133
         Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
4412
                                                                                             6111
                                                                                                                                                              9322 161 78682

      Res, Zero ohm, "Chip" Jumper
      3198 021 90020

                                                                                                                                                              3198 010 10010
4413
                                                                                              6120
                                                                                                       4415
                                                                                              6121
                                                                                                                                                              3198 010 10010
4416
                                                                                             6122
                                                                                                                                                              3198 010 53980
4441
                                                                                             6124
                                                                                                                                                              9336 247 60133
4442
                                                                                             6200
                                                                                                                                                              3198 020 53390
4443
                                                                                             6204
                                                                                                                                                              3198 020 56880
4444
                                                                                             6205
                                                                                                                                                              3198 020 56880
4483
                                                                                             6206
                                                                                                                                                              3198 020 56880
                             "Chip" Jumper . . . . . "Chip" Jumper . . . . .
                                                                                                       3198 020 56880
4490
                                                               3198 021 90020
                                                                                             6207
         Res, Zero ohm,
4521
         Res, Zero ohm,
                                                               3198 021 90020
                                                                                             6405
                                                                                                                                                              3198 020 53390
         Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
                                                                                                       4522
                                                                                             6406
                                                                                             6407
4611
         Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
                                                                                             6408
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6421	Diode, Rect, BY359X-1500		7721	Transistor, NPN, BC847B(COL) 3198 010 42	
6422	Diode, Rect, BY229X-600	 9340 380 20127	7722	Transistor, PNP, BC857B(COL) 3198 010 42	150
6436	Diode, Rect, BYD33J	 9337 234 20133	7723	Transistor, PNP, BC857B(COL) 3198 010 42	150
6437	Diode, Rect, BYD33J		7724	Transistor, NPN, BC847B(COL) 3198 010 42	
6440	Diode, BAS316		7725	Transistor, NPN, BC847B(COL) 3198 010 42	
6441	Diode, BAS316	 3198 010 10630	7730	Transistor, NPN, BC847B(COL) 3198 010 42	030
6442	Zener Diode, 15 volt	 3198 020 51590	7731	Transistor, PNP, BC857B(COL) 3198 010 42	150
6451	Diode, BAS316		7732	Transistor, NPN, BC847B(COL) 3198 010 42	
				IC, TDA2616	
6452	Diode, BAS316		7750	·	
6453	Diode, BAS316		7901	Transistor, NPN, BC547B(COL) 3198 020 40	
6454	Zener Diode, 15 volt	 3198 020 51590	7902	Transistor, NPN, BC337-25(COL) 3198 020 43	530
6456	Zener Diode, 7.5 volt	9322 178 25685	7905	Transistor, NPN, BC368 9332 592 40	126
6461	Diode, Rect, BYV29X-500		7906	IC, L4940V85 9322 005 46	
				·	
6463	Diode, Rect, BYV29X-500		7907	Transistor, NPN, BC847B(COL) 3198 010 42	030
6465	Diode, Rect, BYV29X-500	 9340 555 59127	7908	Transistor, PNP, BC857B(COL) 3198 010 42	150
6468	Diode, Rect, BYD33D		7909	Transistor, PNP, BC857B(COL) 3198 010 42	150
6480	Diode, Rect, BYD33D		8203	Cable, 4 Pin, 340mm 3104 311 05	
6481	Zener Diode, 18 volt	 3198 010 21890	8204	Cable, 6 Pin, 220mm 3104 311 05	471
6482	Diode, BAS316	 3198 010 10630	8324	Cable, 7 Pin, 560mm 3104 311 05	411
6492	Diode, BAS316		8340	Cable, 11 Pin 480mm 3104 311 05	
6493	Zener Diode, 47 volt		8924	Cable, 5 Pin, 280mm 3104 311 02	
6499	Zener Diode, 6.8 volt	 3198 020 56880	8936	Cable, 11 Pin, 820mm 3104 311 01	.181
6505	Zener Diode, 15 volt	 3198 010 21590	8951	Cable, 5 Pin, 340mm 3104 311 03	491
6506	Diode, 1N4148		9101	Wire Jumper	
6507	Diode, Rect, BYV28-200/24		9102	Wire Jumper	
6508	Diode, Rect, BYV28-400/20		9113	Wire Jumper 3198 036 90	
6510	Zener Diode, 15 volt	 3198 010 51590	9203	Wire Jumper	010
6511	Diode, BAS316		9204	Wire Jumper	
6512	Diode, BAS316		9206	Wire Jumper	
6513	Diode, Bridge Rect, REC GBU4K	 3198 010 10640	9210	Wire Jumper 3198 036 90	
6514	Zener Diode, 200 volt	 9336 018 20133	9212	Wire Jumper	010
6515	Zener Diode, 5.6 volt		9217	Wire Jumper	
6516	Diode, BAS316		9219	Wire Jumper	
6517	Diode, BAT85	 9336 247 60133	9221	Wire Jumper 3198 036 90	
6518	Diode, BAS316	 3198 010 10630	9222	Wire Jumper 3198 036 90	010
6519	Diode, Rect, BYD33D		9224	Wire Jumper	010
6600	Diode, 1N4148		9226	Wire Jumper	
6617	Diode, 1N4148	 3198 010 10010	9228	Wire Jumper 3198 036 90	010
6619	Diode, Rect, BYD33D	 9337 234 00133	9229	Wire Jumper 3198 036 90	010
6620	Diode, Rect, BYV27-200	 9322 126 72673	9230	Wire Jumper	010
6623	Diode, BAS316		9231	Wire Jumper	
6636	Diode, BAS316		9232	Wire Jumper 3198 036 90	
6637	Diode, BAS316	 3198 010 10630	9302	Wire Jumper 3198 036 90	010
6660	Diode, BAT85	 9336 247 60133	9401	Wire Jumper	010
6665	Diode, BAS316		9402	Wire Jumper	
6731	Diode, BAS316		9403	Wire Jumper	
6732	Diode, BAS316	 3198 010 10630	9404	Wire Jumper 3198 036 90	010
6900	Diode, BAS316	 3198 010 10630	9405	Wire Jumper	010
6901	Diode, 1PS76SB10		9406	Wire Jumper	
6902	Diode, 1PS76SB10		9407	Wire Jumper 3198 036 90	
6903	Diode, 1PS76SB10	 9340 453 90115	9412	Wire Jumper 3198 036 90	010
6904	Diode, 1N4148	 3198 010 10010	9414	Wire Jumper	010
7100	Transistor, PNP, BC557B(COL)		9418	Wire Jumper	
7101	Transistor, NPN, BC547B(COL)		9419	Wire Jumper	
7102	Power FET, STP3NB60FP		9421	Wire Jumper 3198 036 90	010
S 7104	Optical Coupler, TCDT1102G	 9319 002 76682	9423	Wire Jumper	010
7228	Transistor, NPN, PMBT2369(UAW) .	3198 010 43360	9424	Wire Jumper	
	Transistor, NPN, BC847B(COL)				
7407			9425	Wire Jumper	
7408	Transistor, NPN, BC368		9428	Wire Jumper 3198 036 90	010
7409	Transistor, NPN, BC847B(COL)	 3198 010 42030	9429	Wire Jumper 3198 036 90	010
7421	Transistor, NPN, BU2527DX	 9340 496 80127	9430	Wire Jumper	010
7440	IC, LM358N		9431	Wire Jumper	
7441	Transistor, NPN, BC547B(COL)		9435	Wire Jumper	
7442	Transistor, PNP, BC557B(COL)		9436	Wire Jumper 3198 036 90	010
7452	Transistor, NPN, BC847B(COL)	 3198 010 42030	9466	Wire Jumper	010
7480	Power FET, STP3NB60FP		9505	Wire Jumper	
7481	Transistor, PNP, BC557B(COL)		9510	Wire Jumper	
S 7482	Optical Coupler, TCDT1102G		9512	Wire Jumper	
7501	Transistor, PNP, BC857B(COL)	 3198 010 42150	9513	Wire Jumper 3198 036 90	010
7502	Transistor, NPN, BF487		9515	Wire Jumper	
7504	Power FET, STP5NB40		9516	Wire Jumper	
7505	Transistor, PNP, BC857B(COL)		9518	Wire Jumper	
7506	IC TL431ACZ-AP S (ST00) A .	 9322 086 97676	9519	Wire Jumper	010
7510	Transistor, NPN, BC847B(COL)	 3198 010 42030	9520	Wire Jumper	010
7528	Transistor, NPN, BC337-25(COL).		9523	Wire Jumper	
7529	Transistor, NPN, BC847B(COL)		9524	Wire Jumper	
7600	Transistor, NPN, BC546B	 9332 377 80126	9525	Wire Jumper 3198 036 90	010
7602	Transistor, NPN, BC847B(COL)	 3198 010 42030	9528	Wire Jumper	010
7603	Transistor, PNP, BC857B(COL)		9622	Wire Jumper	
7605	Transistor, NPN, BC847B(COL)		9623	Wire Jumper	
7606	Transistor, NPN, BC847B(COL)	 3198 010 42030	9624	Wire Jumper 3198 036 90	010
S 7610	Optical Coupler, TCDT1102G		9705	Wire Jumper	
S 7613	Optical Coupler, TCDT1102G		9706	Wire Jumper	
7620	IC, TDA8177		9707	Wire Jumper	
7640	Transistor, NPN, BC847B(COL)	 3198 010 42030	9712	Wire Jumper 3198 036 90	010
7641	Transistor, NPN, BC847B(COL)	 3198 010 42030	9713	Wire Jumper	010
7652	Transistor, NPN, BC847B(COL)		9714	Wire Jumper	
7653	Transistor, NPN, BC847B(COL)		9715	Wire Jumper	
7654	m		9718	Wire Jumper 3198 036 90	UTU
	Transistor, PNP, BC857B(COL)				
7655	Transistor, PNP, BC857B(COL) Transistor, NPN, BC847B(COL)		9720	Wire Jumper 3198 036 90	
	Transistor, NPN, BC847B(COL)	 3198 010 42030		Wire Jumper	010
7655		 3198 010 42030 3198 010 42030	9720		010

9724	Wire Jumper	3198 036 90010	2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
9726	Wire Jumper	3198 036 90010	2012	Cap, 47p, 5%, 50v, Ceramic	
9901	Wire Jumper	3198 036 90010	2013	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9902		3198 036 90010	2013		
	Wire Jumper			Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9903	Wire Jumper	3198 036 90010	2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9904	Wire Jumper	3198 036 90010	2016	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9906	Wire Jumper	3198 036 90010	2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9907	Wire Jumper	3198 036 90010	2020	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9908	Wire Jumper	3198 036 90010	2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9909	Wire Jumper	3198 036 90010	2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9910			2020		
	Wire Jumper	3198 036 90010		Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9911	Wire Jumper	3198 036 90010	2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9912	Wire Jumper	3198 036 90010	2300	Cap, 100u, 20%, 16v, Electrolytic	
9914	Wire Jumper	3198 036 90010	2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9916	Wire Jumper	3198 036 90010	2303	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9917	Wire Jumper	3198 036 90010	2304	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
9920	Wire Jumper	3198 036 90010	2305	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9921	Wire Jumper	3198 036 90010	2306	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
9922		3198 036 90010	2307		3198 017 31040
	Wire Jumper			Cap, 100n, 10%, 16v, Ceramic	
9925	Wire Jumper	3198 036 90010	2308	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
9926	Wire Jumper	3198 036 90010	2313	Cap, 100n, 5%, 16v, Polypropylene	2020 319 90005
9927	Wire Jumper	3198 036 90010	2314	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9928	Wire Jumper	3198 036 90010	2315	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9931	Wire Jumper	3198 036 90010	2317	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9932	Wire Jumper	3198 036 90010	2318	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
9933	Wire Jumper	3198 036 90010	2319	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9934	Wire Jumper	3198 036 90010	2320	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
9934	Wire Jumper	3198 036 90010	2321		3198 010 31090
				Cap, 100n, 10%, 16v, Ceramic	
9943	Wire Jumper	3198 036 90010	2322	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9944	Wire Jumper	3198 036 90010	2323	Cap, 100n, 10%, 16v, Ceramic	
9945	Wire Jumper	3198 036 90010	2324	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9946	Wire Jumper	3198 036 90010	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9947	Wire Jumper	3198 036 90010	2328	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
9948	Wire Jumper	3198 036 90010	2329	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9950	Wire Jumper	3198 036 90010	2330	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9951	Wire Jumper	3198 036 90010	2331	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9952	Wire Jumper	3198 036 90010	2332	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9957			2332		
	Wire Jumper	3198 036 90010		Cap, 2u2, +80/-20%, 10v, Ceramic	
9958	Wire Jumper	3198 036 90010	2334	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9960	Wire Jumper	3198 036 90010	2335	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9963	Wire Jumper	3198 036 90010	2336	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9964	Wire Jumper	3198 036 90010	2338	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9965	Wire Jumper	3198 036 90010	2339	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
9966	Wire Jumper	3198 036 90010	2340	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
9967	Wire Jumper	3198 036 90010	2341	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9968	Wire Jumper	3198 036 90010	2342	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9969	Wire Jumper	3198 036 90010	2343	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 41040
9970			2350		
	Wire Jumper	3198 036 90010		Cap, 100n, 10%, 16v, Ceramic	
9971	Wire Jumper	3198 036 90010	2351	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9972	Wire Jumper	3198 036 90010	2352	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9975	Wire Jumper	3198 036 90010	2356	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9976	Wire Jumper	3198 036 90010	2357	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9980	Wire Jumper	3198 036 90010	2358	Cap, 3n3, 10%, 50v, Ceramic	3198 017 33320
9983	Wire Jumper	3198 036 90010	2361	Cap, 1p2, 21%, 50v, Ceramic	3198 016 31280
9984	Wire Jumper	3198 036 90010	2362	Cap, 12p, 5%, 50v, Ceramic	3198 016 31290
9987	Wire Jumper	3198 036 90010	2363	Cap, 470p, 10%, 50v, Ceramic	
9988	Wire Jumper	3198 036 90010	2365	Cap, 100n, 10%, 16v, Ceramic	
			2366		
9990	Wire Jumper	3198 036 90010		Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9991	Wire Jumper	3198 036 90010	2367	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9992	Wire Jumper	3198 036 90010	2368	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9993	Wire Jumper	3198 036 90010	2369	Cap, 100n, 10%, 16v, Ceramic	
9996	Wire Jumper	3198 036 90010	2370	Cap, 100n, 10%, 16v, Ceramic	
9997	Wire Jumper		2371	Cap, 4n7, 10%, 50v, Ceramic	3198 017 34720
9998	Wire Jumper	3198 036 90010	2372	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
			2373	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
Small Si	gnal Board		2374	Cap, 2u2, +80/-20%, 10v, Ceramic	
	Small Signal Board		2375	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
CBA	Small Signal Board	3104 328 25231	2376	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
0302	2 Pin Board Connector	2422 025 16542	2377	Cap, 1000, 20%, 16v, Electrolytic	3198 030 41010
				Cap, 1000, 20%, 16V, Electrolytic	
0601	IC, ROM, SAA5677	3104 317 04461	2378		
1001	Crystal, 12MHz	2422 543 89018	2384	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
S 1003	Fuse, F315MA, 32V	2422 086 11013	2395	Cap, 100n, 10%, 16v, Ceramic	
1301	Crystal, 12MHz	2422 540 98456	2396	Cap, 100n, 10%, 16v, Ceramic	
1303	5 Pin Board Connector	2422 025 16966	2397	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
1304	7 Pin Board Connector	2422 025 17104	2401	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
1318	Crystal, 3.579545MHz	2422 543 00861	2410	Cap, 470n, 10%, 16v, Ceramic	2222 780 15658
1407	Filter, 4.5MHz	2422 549 44043	2411	Cap, 100n, 10%, 16v, Ceramic	
1408	SAW Filter, 45.75MHz	2422 549 44377	2412	Cap, 4n7, 10%, 50v, Ceramic	3198 017 34720
1410	Filter, 4.5MHz	2422 549 44534	2413	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
1651	Crystal, 18.432MHz	2422 543 89019	2418	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
			2420	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
1680	6 Pin Board Connector	2422 025 16961			
1701	Crystal, 12MHz	2422 543 89018	2422	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2001	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390	2429	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2002	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390	2501	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2003	Cap, 2n2, 10%, 50v, Ceramic	3198 017 32220	2502	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2503	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2504	Cap, 330n, +80/-20%, 25v, Ceramic	
	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2505	Cap, 330n, +80/-20%, 25v, Ceramic	
2006	cap, 10011, 10%, 10V, ceramic	- · · · · · · · · · · · · · · · · · · ·			
		3198 017 31040	2506	Cap, 330n, +80/-20%, 25v. Ceramic.	2222 910 19856
2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040	2506 2507	Cap, 330n, +80/-20%, 25v, Ceramic Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856 2222 910 19856
2007 2008	Cap, 100n, 10%, 16v, Ceramic Cap, 100n, 10%, 16v, Ceramic	3198 017 31040	2507	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2007 2008 2009	Cap, 100n, 10%, 16v, Ceramic Cap, 100n, 10%, 16v, Ceramic Cap, 470p, 5%, 50v, Ceramic	3198 017 31040 3198 016 34710	2507 2508	Cap, 330n, +80/-20%, 25v, Ceramic Cap, 100u, 20%, 16v, Electrolytic	2222 910 19856 3198 030 41010
2007 2008	Cap, 100n, 10%, 16v, Ceramic Cap, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 016 34710	2507	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856 3198 030 41010

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Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090 Cap, 470n, +80/-20%, 10v, Ceramic . . . 3198 017 44740 Cap, 330p, 10%, 50v, Ceramic . . . . 3198 017 33310
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                          2763
                                                                                                                            3198 017 31040
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                          2764
2550
                                                                          2765
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                             3198 017 31040
2552
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          2766
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
2553
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          2767
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
2554
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          2770
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                            3198 017 31040
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          2771
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
2555
                                                                          2772
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
       Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
2562
                                                                                  Cap, 1n, 5%, 25v, Ceramic. . . . . .
                                                                          2773
2563
       Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                                                                            3198 016 31020
                                                                                 2774
                                                                                                                            3198 017 31040
2564
2565
                                                                          2776
                                                                                                                            3198 017 31040
       Cap, 100n, 10%, 16v, Ceramic . . . .
2566
                                                                          2785
                                                                                                                            3198 017 31040
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                            3198 017 31040
                                                                          2786

      Cap, ln, 5%, 25v, Ceramic.
      3198 016 31020

      Cap, ln, 5%, 25v, Ceramic.
      3198 016 31020

      Cap, ln, 5%, 25v, Ceramic.
      3198 016 31020

                                                                          2788
2568
                                                                                                                            3198 017 31040
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2569
                                                                          2790
                                                                                                                            3198 017 31040
2570
                                                                          2792
                                                                                                                            3198 017 31040
       Cap, 100p, 5%, 50v, Ceramic. . . . . 3198 016 31010
2571
                                                                          2795
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
       Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                                                                            3198 017 31040
2574
                                                                          2796
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . .

      Cap, ln, 5%, 25v, Ceramic.
      3198 016 31020

                                                                                 Cap, 680p, 5%, 25v, Ceramic. . . . . Cap, 10u, 20%, 16v, Electrolytic . . . Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                          2798
2575
                                                                                                                            3198 016 36810
                                                                          2799
                                                                                                                            2020 021 91556
2576
                                                                          2908
                                                                                                                            3198 017 31040
2577
       2578
                                                                          2909
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                            3198 017 31040
2579
                                                                          2910
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                            3198 017 31040
                                                                                  Cap, 100n, 10%, 16v, Ceramic . . . . .
2584
       Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                          2911
                                                                                                                            3198 017 31040
       2585
                                                                          2912
                                                                                 Cap, 100n, 10%, 16v, Ceramic .
                                                                                                                            3198 017 31040
2586
                                                                          3001
                                                                                 Res, 4\text{K7}, 5%, 1/16\text{W}, Metalized Glass .
                                                                                                                            3198 021 34720
      2591
                                                                          3002
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34720
2593
                                                                          3003
                                                                                 Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2594
                                                                          3004
                                                                                 Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2595
                                                                                 Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
                                                                          3005
2609
                                                                          3006
                                                                                 Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                          3007
                                                                                 Res, 1K5, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 31520
2610
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
                                                                          3008
2611
2634
                                                                          3009
                                                                                 Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34730
                                                                                 Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                          3010
                                                                                                                            3198 021 34730
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 31030
2643
                                                                          3011
       Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                 Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 32220
2644
                                                                          3012
2645
       Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                          3013
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 31030
2646
       Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                          3014
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34720
       Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
2649
                                                                          3015
                                                                                 Res, 470K, 5%, 1/16W, Metalized Glass.
                                                                                                                            3198 021 34740
                                                                                 Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
2651
       Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                          3016
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass .
       Cap, 47p, 5%, 50v, Ceramic . . . . . . 3198 016 34790
2652
                                                                          3017
                                                                                                                            3198 021 34720
       Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                 Res, 24K, 1%, 1/16W, Metalized Glass . 2322 704 62403
2653
                                                                          3018
       Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2654
                                                                          3019
                                                                          3021
                                                                                 Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          3026
                                                                                 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2661
       Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                          3027
                                                                                 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
       Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                          3028
                                                                                 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2662
2663
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          3029
                                                                                 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2664
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                          3030
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
2665
       Cap, 100u, 20%, 16v, Electrolytic. . . 3198 030 41010
                                                                          3031
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34720
      Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220 Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
2666
                                                                          3032
2667
                                                                          3033
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2668
                                                                          3034
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2670
                                                                          3035
2673
                                                                          3039
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2674
                                                                          3040
       Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090 Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090
2677
                                                                          3041
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2678
                                                                          3042
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
       Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090
2679
                                                                          3043
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2680
                                                                          3044
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
       2681
                                                                          3045
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2682
                                                                          3048
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2686
                                                                          3049
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2687
                                                                          3050
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2693
                                                                          3051
       Res, 6K8, 5%, 1/16W, Metalized Glass . 3198 021 36820 Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
2694
                                                                          3052
                                                                          3053
                                                                                 Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730 Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730
2702
                                                                          3056
2704
       Cap, 10u, 20%, 16v, Electrolytic . . . 2020 021 91556
                                                                          3057
       Cap, 100u, 20%, 16v, Electrolytic. . .
2706
                                                  2020 021 91555
                                                                          3058
                                                                                 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2708
       Cap, 10u, 20%, 16v, Electrolytic . . .
                                                  2020 021 91556
                                                                          3059
                                                                                 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
                                                                                 Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720 Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030 Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
2709
       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                  3198 017 31040
                                                                          3060
       Cap, 10u, 20%, 16v, Electrolytic . . . 2020 021 91556
2710
                                                                          3061
2712
       Cap, 10u, 20%, 16v, Electrolytic . . .
                                                  2020 021 91556
                                                                          3062
                                                                                 Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                  3198 017 31040
       Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                          3063
2713
       Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 56p, 5%, 50v, Ceramic . . . . .
2728
                                                  3198 017 31040
                                                                                 Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                          3064
                                                  3198 016 35690
                                                                          3065
                                                                                 Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
       Cap, 22n, 10%, 25v, Ceramic. . . . .
2730
                                                  3198 017 32230
                                                                        S 3070
                                                                                 Res, 1R5, 5%, 1/8W, Metalized Glass. . 2322 750 61508
       Cap, 100p, 5%, 50v, Ceramic. . . . .
                                                  3198 016 31010
                                                                                  Res, 1R5, 5%, 1/8W, Metalized Glass. .
                                                                                                                            2322 750 61508
2731
                                                                        S 3071
2733
       Cap, 22n, 10%, 25v, Ceramic. . . . . 3198 017 32230
                                                                          3074
                                                                                  Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 31030
       Cap, 22n, 10%, 25v, Ceramic. . . . . 3198 017 32230 Cap, 22n, 10%, 25v, Ceramic. . . . . 3198 017 32230
2738
                                                                        S 3300
                                                                                 Res, 3R9, 5%, 1/8W, Metalized Glass. .
                                                                                                                            2322 750 63908
2743
                                                                          3301
                                                                                 Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
2747
       Cap, 18p, 5%, 50v, Ceramic . . . . .
                                                  3198 016 31890
                                                                          3302
                                                                                 Res, 1K8, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 31820
       Res, 3R9, 5%, 1/8W, Metalized Glass. .
2748
                                                                        S 3304
                                                                                                                            2322 750 63908
                                                                                 Res, Zero ohm, "Chip" Jumper . . . .
2755
                                                                        3305
                                                                                                                            3198 021 90030
2756
                                                                          3306
                                                                                 Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
       Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                 Res, 18K, 5%, 1/16W, Metalized Glass . 3198 021 31830
2758
                                                  3198 017 31040
                                                                          3307
2759
                                                  3198 017 31040
                                                                          3308
                                                                                  Res, 680K, 5%, 1/16W, Metalized Glass.
                                                                                                                            3198 021 36840
       2760
                                                  3198 017 31040
                                                                          3310
                                                                                  Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                            3198 021 34730
                                                  3198 017 31040
                                                                          3311
                                                                                  Res, 33K, 5%, 1/16W, Metalized Glass . 3198 021 33330
2761
       Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                         3312
                                                                                 Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
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Res, 1K, 5%, 1/16W, Metalized Glass . 3198 021 31020 Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230 Res, 1K, 5%, 1/16W, Metalized Glass . 3198 021 31020 Res, 100K, 5%, 1/16W, Metalized Glass . 3198 021 31040
                                                                            3465
                                                                                   Res, 33K, 5%, 1/16W, Metalized Glass .
                                                                                                                               3198 021 33330
                                                                            3467
                                                                                   Res, 10K, 5%, 1/16W, Metalized Glass .
3315
                                                                            3469
                                                                                    Res, 100K, 5%, 1/16W, Metalized Glass.
                                                                                                                                3198 021 31040
3316
                                                                            3470
                                                                                   Res, 100K, 5%, 1/16W, Metalized Glass.
                                                                                                                                3198 021 31040
3317
       Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
                                                                            3519
                                                                                   Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                3198 021 31030
3318
       Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                            3521
                                                                                   Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                                3198 021 34730
3319
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                                                                                   Res, 47K, 5%, 1/16W, Metalized Glass .
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       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                   Res, 100K, 5%, 1/16W, Metalized Glass.
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3401
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3402
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3403
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3437
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3441
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3459
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3460
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3462
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2554	D 10 .h 50 .1/16W .w1/1 .1	3 2100 001 21	000 4046	December 11 of the 11 of the 12 of t	2100 001 00020
3754 3755	Res, 10 ohm, 5%, 1/16W, Metalized (Res, Zero ohm, "Chip" Jumper			Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	
3757	Res, Zero ohm, "Chip" Jumper			Res, Zero ohm, "Chip" Jumper	
3759	Res, Zero ohm, "Chip" Jumper			Res, Zero ohm, "Chip" Jumper	
3790	Resistor Network, 4 X 100 ohm, 5%.			Res, Zero ohm, "Chip" Jumper	
3791 3792	Resistor Network, 4 X 100 ohm, 5%. Resistor Network, 4 X 100 ohm, 5%.			Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	
3793	Resistor Network, 4 X 100 ohm, 5%.			Res, Zero ohm, "Chip" Jumper	
3794	Resistor Network, 4 X 100 ohm, 5%.			Res, Zero ohm, "Chip" Jumper	
3795	Resistor Network, 4 X 100 ohm, 5%.	3198 031 110	.010 5301	Coil, 6u8	3198 018 36880
3796	Res, 100 ohm, 5%, 1/16W, Metalized			Coil, 6u8	
3797 3900	Res, 100 ohm, 5%, 1/16W, Metalized			Res, Zero ohm, "Chip" Jumper	
3900	Inductor, 100MHz, 600 ohm Inductor, 100MHz, 600 ohm			Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	
3902	Inductor, 100MHz, 600 ohm			Res, Zero ohm, "Chip" Jumper	
3903	Inductor, 100MHz, 600 ohm			Res, Zero ohm, "Chip" Jumper	3198 021 90030
3904	Inductor, 100MHz, 600 ohm			Res, Zero ohm, "Chip" Jumper	
3905 3906	Inductor, 100MHz, 600 ohm Inductor, 100MHz, 600 ohm			Res, Zero ohm, "Chip" Jumper	
3906	Inductor, 100MHz, 600 ohm			Coil, 390n	
3908	Inductor, 100MHz, 600 ohm			Ferrite Bead, 100MHz	
3909	Inductor, 100MHz, 600 ohm			Variable Coil	
3910	Inductor, 100MHz, 600 ohm			Ferrite Bead, 100MHz	
3911	Inductor, 100MHz, 600 ohm			Coil, lu	
4302 4303	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	
4304	Res, Zero ohm, "Chip" Jumper			Res, Zero ohm, "Chip" Jumper	
4322	Res, Zero ohm, "Chip" Jumper			Ferrite Bead, 100MHz	
4326	Res, Zero ohm, "Chip" Jumper			Ferrite Bead, 100MHz	
4369	Res, Zero ohm, "Chip" Jumper			Ferrite Bead, 100MHz	
4401	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4406 4407	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Coil, 6u8	
4407	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4520	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4522	Res, Zero ohm, "Chip" Jumper	3198 021 90	0030 5701	Inductor, 100MHz, 600 ohm	
4603	Res, Zero ohm, "Chip" Jumper			Ferrite Bead, 100MHz	
4604	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4607	Res, Zero ohm, "Chip" Jumper			Ferrite Bead, 100MHz	
4608 4609	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Coil, 5u6	
4610	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 600 ohm	
4611	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 600 ohm	
4613	Res, Zero ohm, "Chip" Jumper	3198 021 900	0030 5718	Coil, 330n	3198 018 33370
4632	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 600 ohm	
4633	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4642 4645	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4652	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4682	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4683	Res, Zero ohm, "Chip" Jumper			Inductor, 100MHz, 30 ohm	
4684	Res, Zero ohm, "Chip" Jumper	3198 021 90	1030 5904	Inductor, 100MHz, 30 ohm	3198 018 90060
4685	Res, Zero ohm, "Chip" Jumper			Diode, BAS316	
4686	Res, Zero ohm, "Chip" Jumper			Zener Diode, 47 volt	
4687 4688	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Diode, BAS316	
4689	Res, Zero ohm, "Chip" Jumper			Diode, 1PS76SB10	
4712	Res, Zero ohm, "Chip" Jumper				
4713	Res, Zero ohm, "Chip" Jumper			Zener Diode, 6.8 volt	3198 020 56880
4714	Res, Zero ohm, "Chip" Jumper			Zener Diode, 22 volt	
4715	Res, Zero ohm, "Chip" Jumper			Diode, BAS316	
4716 4717	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Zener Diode, 22 volt	
4723	Res, Zero ohm, "Chip" Jumper			Diode, BAS316	
4724	Res, Zero ohm, "Chip" Jumper			Diode, BAS316	
4726	Res, Zero ohm, "Chip" Jumper	3198 021 90	0030 6317	Diode, BAS316	3198 010 10630
4732	Res, Zero ohm, "Chip" Jumper			Diode, BAS316	
4734	Res, Zero ohm, "Chip" Jumper			Zener Diode, 10 volt	
4792 4793	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Diode, BAS316	
4901	Res, Zero ohm, "Chip" Jumper			Diode, BAS316	
4902	Res, Zero ohm, "Chip" Jumper			IC, SAA5677/HL/M1	
4903	Res, Zero ohm, "Chip" Jumper	3198 021 90	0030 7002	Transistor, PNP, BC857B(COL)	3198 010 42150
4904	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, BC847BW(COL)	
4905	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, BC847BW(COL)	
4906 4907	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			IC, LD1117D33	
4907	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, PMB12369(UAW)	
4909	Res, Zero ohm, "Chip" Jumper			IC, LD1117D33	
4919	Res, Zero ohm, "Chip" Jumper			IC, M24C32	9322 124 74668
4920	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, PDTC144EU	
4921	Res, Zero ohm, "Chip" Jumper			IC, TDA9330H/N3	
4925	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, BC857BW(COL)	
4927 4928	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Transistor, NPN, PDTC144EU Transistor, NPN, BC847BW(COL)	
4928	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, BC847BW(COL)	
4935	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, PDTC144EU	
4937	Res, Zero ohm, "Chip" Jumper		1030 7309	Transistor, NPN, PDTC144EU	
4938	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, PDTC144EU	
4939	Res, Zero ohm, "Chip" Jumper			Transistor, NPN, BC847BW(COL)	
4944 4945	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			Transistor, NPN, BC847BW(COL) Transistor, NPN, PMBT2369(UAW)	
474 5	nes, zero onu, "chip" dumper	3130 021 901	7313	IIGHBIBCOI, NEN, EMBIZ309(UAW)	J190 U1U 4330U

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Transistor, NPN, BC847BW(COL). . . . . . 3198 010 42310 Transistor, NPN, PMBT2369(UAW) . . . . . 3198 010 43360 Transistor, NPN, BC857BW(COL). . . . . 3198 010 42320
                                                                                  2059
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . . 3198 016 32290
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . .
  7318
                                                                                   2062
                                                                                           Cap, 150p, 5%, 50v, Ceramic. . . . .
                                                                                                                                         3198 016 31510
  7320
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
                                                                                   2063
                                                                                           Cap, 22p, 5%, 50v, Ceramic . . . . .
                                                                                                                                         3198 016 32290
  7322
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
                                                                                  2064
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                         3198 017 31040
  7323
          IC, TDA9321H/N2. . . . . . . . . . . . . 9352 625 24518
                                                                                  2065
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                         3198 017 31040
  7324
          Transistor, NPN, BC847CW . . . . . . . 9340 217 80115
                                                                                                                                         3198 017 31040
                                                                                  2066
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . .
  7375
                                                                                  2067
                                                                                                                                         3198 016 32290
          7410
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . .
                                                                                                                                         3198 016 32290
                                                                                  2068
                                                                                          7411
                                                                                  2069
  7413
                                                                                  2070
  7651
          IC, MSP3421G-FH-B8V3 . . . . . . . . . 9322 183 23671
                                                                                   3000
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
          Transistor, NPN, BC847BPN. . . . . . . 9340 425 30115
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                                                                   3001
          Transistor, NPN, BC847BPN. . . . . . . 9340 425 30115
                                                                                           Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7665
                                                                                   3002
          Transistor, NPN, BC857BW(COL). . . . 3198 010 42320 Transistor, NPN, BC847BS . . . . . . 9340 425 20115
  7668
                                                                                           Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                  3003
  7675
                                                                                  3004
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  7678
          Transistor, NPN, BC847BS . . . . . . . 9340 425 20115
                                                                                  3005
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7701
          Transistor, NPN, BC857BW(COL). . . . . 3198 010 42320
                                                                                  3006
          Transistor, NPN, BC847BW(COL). . . . 3198 010 42310 Transistor, NPN, PMBT2369(UAW) . . . 3198 010 43360 IC, SAA4990H . . . . . . . . . . . . 9352 067 50557
  7702
                                                                                  3007
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7704
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                  3008
  7708
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                                  3009
          IC, SaA4978H/V204. . . . . . 9352 688 09557 IC, MSM54V12222B-25JS. . . . . . 9322 183 81668
                                                                                          Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
                                                                                  3010
                                                                                          Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
  7714
                                                                                  3011
          IC, MSM54V12222B-25JS. . . . . . . . . 9322 183 81668
  7715
                                                                                  3012
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7716
          32 Pin IC Socket . . . . . . . . . . . . 2422 486 80938
                                                                                   3013
                                                                                          Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
  7716
          IC, M87C257-90C1 . . . . . . . . . . . . 9322 130 45668
                                                                                           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                  3014
          7717
                                                                                  3015
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7799
                                                                                  3016
                                                                                          Res, 33 ohm, 5%, 1/16W, Metalized Glass 3198 021 33390
          8302
                                                                                  3017
                                                                                          Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
                                                                                          Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010 Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  8303
                                                                                  3018
  8304
                                                                                  3019
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  8680
                                                                                  3020
                                                                                          Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                  3021
                                                                                   3022
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
3D Comb Filter
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          3D Comb Filter
                                                                                  3023

      3D Comb Filter
      3135 037 10301

      Crystal, 20MHz
      2422 543 01273

      5 Pin Board Connector
      2422 025 15848

                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  CBA
                                                                                   3024
                                                                                          Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
                                                                                  3025
                                                                                  3026
                                                                                           Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
  1104
          6 Pin Board Connector. . . . . . . . . 2422 025 10428
                                                                                  3027
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  1303
  1951
          5 Pin Board Connector. . . . . . . . . 2422 025 15848
                                                                                  3028
                                                                                          Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090 Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
          Cap, 22p, 5%, 50v, Ceramic . . . . . 3198 016 32290 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  2000
                                                                                  3029
  2001
                                                                                  3030
         Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230
Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230
                                                                                  3031
  2002
  2003
                                                                                  3032
                                                                                          Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
  2004
                                                                                  3033
  2005
                                                                                  3034
                                                                                          Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
          Cap, 47u, 20%, 20v, Electrolytic . . . 3198 032 58170 Cap, 1n, 5%, 25v, Ceramic . . . . . . 3198 016 31020
  2006
                                                                                   3035
                                                                                           Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                  3036
                                                                                          Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
          Cap, 1u, 20%, 50v, Electrolytic. . . . 3198 030 81080 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3037
                                                                                          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2009
  2010
                                                                                  3038
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2011
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                  3039
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710 Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
  2012
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                  3040
          Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 31030
                                                                                  3041
  2013
          Res, 3K3, 1%, 1/16W, Metalized Glass . 2322 704 73302 Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 31520
                                                                                  3042
  2014
  2015
                                                                                  3043
                                                                                  3044
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2016
                                                                                           Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
  2017
                                                                                   3055
                                                                                          Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
          Cap, 150p, 5%, 50v, Ceramic. . . . . . 3198 016 31510
  2018
                                                                                   3056
  2019
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3057
          Res, 220K, 5%, 1/16W, Metalized Glass. 3198 021 32240 Res, 27K, 5%, 1/16W, Metalized Glass. 3198 021 32730
                                                                                  3058
  2020
  2021
                                                                                  3059
  2022
                                                                                  3060
                                                                                          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                          Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  2023
                                                                                  3061
  2024
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3065
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                  3067
  2026
          3068
  2027
                                                                                          Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040 Res, 1K5, 5%, 1/16W, Metalized Glass. 3198 021 31520 Res, 2K7, 5%, 1/16W, Metalized Glass. 3198 021 32720
  2028
                                                                                  3069
                                                                                   3071
  2029
  2030
                                                                                   3072
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3073
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3074
                                                                                           Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  2032
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                  3076
                                                                                          Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
  2033
  2034
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                  3077
                                                                                          Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130 Cap, 1u, 20%, 50v, Electrolytic . . . 3198 030 81080
  2035
                                                                                  3082
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  2036
                                                                                  3083
                                                                                          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                  3085
  2037
                                                                                          Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                  3088
  2041
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 47u, 20%, 16v, Electrolytic . . . 3198 030 44790
                                                                                           Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
                                                                                   3089
  2042
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2043
                                                                                  3091
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                           Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
  2044
                                                                                   3095
                                             . . . . 3198 017 31040
                                                                                  3096
                                                                                          Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
          Cap, 100n, 10%, 16v, Ceramic .
          Cap, 47u, 20%, 16v, Electrolytic . . . 3198 030 44790
                                                                                  3097
                                                                                          Res, 1K8, 5%, 1/16W, Metalized Glass . 3198 021 31820
  2046
  2047
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                  3098
                                                                                          Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
  2048
          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                        3198 017 31040
                                                                                  3099
                                                                                          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                          Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
  2049
          Cap, 47u, 20%, 16v, Electrolytic . . . 3198 030 44790
                                                                                  3100
                                                                                  3101
  2051
          Cap, 10u, 20%, 20v, Electrolytic . . .
                                                        3198 032 55130
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                  3102
                                                                                          Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  2052
                                                                                          Res, PTC, Overload Protection. . . 2122 662 00139
Res, PTC, Overload Protection. . . 2122 662 00139
                                                                                S 3103
  2053
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130 Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130 Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130 Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130 Cap, 150p, 5%, 50v, Ceramic . . . . . 3198 016 31510
                                                                                S 3104
  2054
                                                                                  3105
                                                                                           Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
  2055
                                                                                          5000
  2056
                                                                                  5001
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Filter, 14.3MHz. . . . . . . . . . . . 2422 549 44784
                                                                        Top Control Panel
         Filter, 14.3MHz. . . . . . . . . . . . 2422 549 44784
  5005
         3198 018 41090
                                                                                Top Control Panel
  5006
         Filter, 14.3MHz. . . . . . . . . . . . 2422 549 44785
         5007
                                                  3198 018 41090
                                                                       DC Shift Panel
  5008
                                                  3198 018 72290
                                                                                DC Shift Panel
         Coil, 22u..........
  5009
                                                  3198 018 72290
         5010
                                                  2422 535 94758
                                                                        DAF Panel
                                                  3198 018 90070
  5011
                                                                                DAF Panel
         3198 018 90070
  5012
  5013
                                                                        Mains/Front Interface Panel
  5014
         Inductor, 100MHz, 30 ohm . . . . . . . 3198 018 90060
                                                                                 Mains/Front Interface Panel
         Inductor, 100MHz, 30 ohm . . . . . . . 3198 018 90060
         Coil, 100MHz, 120 ohm. . . . . . . . .
                                                  3198 018 90070
  5017
                                                                        2 Tuner PIP Panel
  5019
         2 Tuner PIP Panel
  5020
         Coil, 10u. . .
                                                  3198 018 41090
  5021
         Coil, 100MHz, 120 ohm. . . . . . . . .
                                                  3198 018 90070
                                                                       High Definition Jack Panel
  5022
         Coil, 100MHz, 120 ohm. . . . . . . . .
                                                  3198 018 90070
                                                                                High Definition Jack Panel
  5024
         Coil, 100MHz, 120 ohm. . . . . . . . . . . . . 3198 018 90070
                                                                                 High Definition Jack Panel . . . . .
                                                                          CRA
                                                                                                                          3121 238 00161
         5025
                                                                         1104
                                                                                                                           2422 025 06353
                                                                                 5 Pin Board Connector. . . . . . . .
  5027
                                                                                 7 Pin Board Connector. . . . . . . .
                                                                         1304
                                                                                                                           2422 025 10776
         3198 018 90070
  5028
                                                                                 6 Pin Board Connector. . . . . . . .
                                                                         1680
                                                                                                                           2422 025 10183
  5029
                                                  3198 018 90070
                                                                                 1990
                                                                                                                           2422 025 16257
  5030
         Coil, 100MHz, 120 ohm. . . . . . . . .
                                                  3198 018 90070
                                                                         1991
                                                                                                                           2422 026 04758
  6000
         Diode, BAV99 . . . . . . . . . . . . . . . .
                                                  3198 010 10620
                                                                         1993
                                                                                                                           2422 026 05079
  6001
         Diode, BAV99 . . . . . . . . . . . . . . . .
                                                  3198 010 10620
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                          2101
                                                                                                                           3198 017 22250
         Diode, BAV99
LED, TLMH3100.
Diode, Rect, SM S1D
Diode, Rect, SM S1D
  6002
                                                  3198 010 10620
                                                                          2102
                                                                                 Cap, 470n, +80/-20%, 16v, Ceramic. . .
                                                                                                                           3198 017 24740
  6003
                                                  9322 072 71685
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . . Cap, 470n, +80/-20%, 16v, Ceramic . . .
                                                                          2103
                                                                                                                           3198 017 22250
  6004
                                                  9322 128 69685
                                                                         2104
                                                                                                                          3198 017 24740
                                                  9322 128 69685
  6005
                                                                          2105
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                                                                           3198 017 22250
         Diode, 1PS76SB10 . . . . . . . . . . . . .
                                                  9340 453 90115
  6006
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                                                                           3198 017 22250
                                                                          2107
        6007
                                                  9335 262 30215
                                                                                Cap, 2u2, +80/-20%, 10v, Ceramic . . . Cap, 2u2, +80/-20%, 10v, Ceramic . . . .
                                                                                                                           3198 017 22250
                                                                         2109
                                                  9335 895 90215
  7000
                                                                          2111
                                                                                                                           3198 017 22250
  7001
                                                  9335 897 60215
                                                                                 Cap, 220n, +80/-20%, 25v, Ceramic. . .
                                                                                                                           3198 023 22240
                                                                          2113
                                                  9338 144 20215
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                          2115
                                                                                                                           3198 017 22250
  7003
         Transistor, PNP, BC857B. . . . . . .
                                                  9335 897 60215
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                                                                           3198 017 22250
                                                                          2117
         Transistor, NPN, BC847B. . . . . . .
                                                  9335 895 90215
  7004
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                                                                           3198 017 22250
                                                                          2119
  7005
         Transistor, PNP, BC857B. . . . . . .
                                                  9335 897 60215
                                                                          2121
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                                                                           3198 017 22250
  7006
         Transistor, NPN, BF570 . . . . . . . .
                                                  9338 144 20215
                                                                          2125
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                                                                           3198 017 22250
         7007
                                                  9335 897 60215
                                                                         2127
                                                                                 Cap, 2u2, +80/-20%, 10v, Ceramic . . .
                                                                                                                          3198 017 22250
                                                  9335 895 90215
  7008
                                                                          2130
                                                                                 Cap, 220n, +80/-20%, 25v, Ceramic. . .
                                                                                                                           3198 023 22240
                                                  9335 897 60215
                                                                                Cap, 220n, +807-20%, 25V, Ceramic...
Cap, 100p, 5%, 50v, Ceramic....
Cap, 100n, 10%, 16v, Ceramic...
Cap, 100n, 10%, 16v, Ceramic...
Cap, 47p, 5%, 50v, Ceramic...
Cap, 47p, 5%, 50v, Ceramic...
Cap, 100n, 10%, 16v, Ceramic
  7009
                                                                          2131
                                                                                                                          3198 016 01010
         Transistor, NPN, BC847B. . . . . . . .
                                                  9335 895 90215
  7010
                                                                                                                          3198 017 01040
                                                                          2132
         7011
                                                  9335 895 90215
                                                                                                                          3198 017 01040
                                                                          2133
                                                  9334 509 00215
  7012
                                                                          2134
                                                                                                                          3198 016 04790
         Transistor, NPN, BC847B. . . . . . .
                                                  9335 895 90215
                                                                          2135
                                                                                                                           3198 016 04790
  7016
         Transistor, PNP, BC857B. . . . . . . .
                                                  9335 897 60215
                                                                          2400
                                                                                                                           3198 017 01040
  7017
         Transistor, NPN, BC847B. . . . . . .
                                                  9335 895 90215
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                          2403
                                                                                                                           3198 017 01040
  7019
         IC, LM809M3X . . . . . . . . . . . . . . . .
                                                  9322 163 48668
                                                                          2404
                                                                                 Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                          3198 017 01040
  7020
         Transistor, NPN, BC847B......
                                                  9335 895 90215
                                                                          2405
                                                                                 Cap, 22u, 20%, 16v, Electrolytic . . .
                                                                                                                          3198 028 22290
         IC, LD1117DT33 . . . . . . . . . . . . . 9322 134 45668
IC, LD1117DT25 . . . . . . . . . . . . 9322 160 50668
IC, UPD64083GF . . . . . . . . . . . . . . . 9322 170 65671
  7021
                                                                          2406
                                                                                 Cap, 22u, 20%, 16v, Electrolytic . . .
                                                                                                                          3198 028 22290
  7022
                                                                          2407
                                                                                 Cap, 22u, 20%, 16v, Electrolytic . . .
                                                                                                                          3198 028 22290
  7023
                                                                                 Cap, 100u, 20%, 10v, Electrolytic. . . Cap, 100n, +80/-20%, 25v, Ceramic. . .
                                                                                                                          3198 028 11010
                                                                          2408
                                                                          2700
                                                                                                                           3198 023 21040
Side A/V Panel
                                                                          2701
                                                                                 Cap, 100n, +80/-20%, 25v, Ceramic. . .
                                                                                                                           3198 023 21040
         Side A/V Panel
                                                                          2702
                                                                                 Cap, 100n, +80/-20%, 25v, Ceramic. . .
                                                                                                                           3198 023 21040
         CBA
                                                                          2703
                                                                                 Cap, 100n, +80/-20%, 25v, Ceramic. . .
                                                                                                                          3198 023 21040
                                                                          2704
                                                                                 Cap, 220p, 5%, 50v, Ceramic. . . . .
                                                                                                                           3198 016 02210
  1254
         Headphone Jack . . . . . . . . . . . . . . 2422 026 04747
                                                                          2705
                                                                                 Cap, 220p, 5%, 50v, Ceramic. . . . .
                                                                                                                           3198 016 02210
         3 Pin Cinch Jack . . . . . . . . . . . 2422 026 04815
  1255
                                                                          2706
                                                                                 Cap, 470p, 5%, 50v, Ceramic. . . . .
                                                                                                                          3198 016 04710
  1256
         SVHS Jack. . . . . . . . . . . . . . . . . 2422 026 04926
                                                                                 Cap, 22n, 10%, 50v, Ceramic. . . . . . Cap, 100n, +80/-20%, 25v, Ceramic. . .
                                                                          2707
                                                                                                                           3198 017 02230
         Cap, 150p, 10%, 50v, Ceramic . . . . 3198 019 11510 Cap, 150p, 10%, 50v, Ceramic . . . . 3198 019 11510
  2286
                                                                          2713
                                                                                                                          3198 023 21040
  2288
                                                                          2714
                                                                                 Cap, 220p, 5%, 50v, Ceramic. . . . .
                                                                                                                          3198 016 02210
  2292
         Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 019 14710
                                                                          2715
                                                                                 Cap, 220p, 5%, 50v, Ceramic. . . . .
                                                                                                                          3198 016 02210
         Cap, 470p, 10%, 50v, Ceramic . . . . 3198 019 14710 Cap, 4n7, +80/-20%, 50v, Ceramic . . . 3198 019 24720 Cap, 4n7, +80/-20%, 50v, Ceramic . . . 3198 019 24720
  2294
                                                                                 Cap, 47p, 5%, 50v, Ceramic . . . . . . Cap, 47p, 5%, 50v, Ceramic . . . . .
                                                                          2900
                                                                                                                          3198 016 04790
  2296
                                                                          2901
                                                                                                                          3198 016 04790
  2297
                                                                                 Cap, 100p, 5%, 50v, Ceramic. . . . . . Cap, 100p, 5%, 50v, Ceramic. . . . . .
                                                                          2904
                                                                                                                           3198 016 01010
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
  3285
                                                                          2905
                                                                                                                           3198 016 01010
  3286
         Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
                                                                                 Cap, 22u, 20%, 16v, Electrolytic . . .
                                                                                                                           3198 028 22290
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
                                                                                 Cap, 22u, 20%, 16v, Electrolytic . . .
                                                                          2928
                                                                                                                           3198 028 22290
  3288
                                                                          3100
                                                                                 Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                           3198 021 51030
         Res, 1K8, 5%, 1/6W, Carbon Film. . . . 3198 011 01820
  3289
                                                                          3101
                                                                                 Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                          3198 021 51020
         Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020 Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
  3291
                                                                          3102
                                                                                 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
  3292
                                                                          3103
                                                                                 Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                          3198 021 51020
  3293
         Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
                                                                          3104
                                                                                 Res, 2K2, 5%, 1/10W, Metalized Glass .
                                                                                                                          3198 021 52220
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                                 Res, 1K, 5%, 1/10W, Metalized Glass. .
  3294
                                                                          3105
                                                                                                                          3198 021 51020
  3295
         Res, 3K9, 5%, 1/6W, Carbon Film. . . . 3198 011 03920
                                                                                 Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                          3198 021 51030
                                                                          3106
         Res, 10K, 5%, 1/10W, Metalized Glass .
  3296
                                                 3198 021 51030
                                                                                 Res, 4K7, 5%, 1/10W, Metalized Glass .
                                                                          3107
                                                                                                                          3198 021 54720
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3297
                                                                          3108
                                                                                 Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
         Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
  4241
                                                                                 Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                          3109
                                                                                 Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                          3110
         Zener Diode, 12 volt . . . . . . . . .
                                                  3198 020 51290
  6291
                                                                          3111
                                                                                 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  6292
         Zener Diode, 12 volt . . . . . . . . . . . 3198 020 51290
                                                                          3112
                                                                                 Res, 100K, 5%, 1/10W, Metalized Glass.
                                                                                                                          3198 021 51040
  6293
         Zener Diode, 12 volt . . . . . . . . .
                                                  3198 020 51290
                                                                          3124
                                                                                 Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                          3198 021 51020
  6294
         Zener Diode, 12 volt . . . . . . . . .
                                                  3198 020 51290
                                                                          3125
                                                                                 Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                          3198 021 51030
  6296
         Zener Diode, 12 volt . . . . . . . . .
                                                  3198 020 51290
                                                                                 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
                                                                          3126
  6297
         Zener Diode, 12 volt . . . . . . . . . . . . 3198 020 51290
                                                                          3127
        9231
                                                                                 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                          3129
  9232
                                                                                 Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                          3130
                                                                          3131
                                                                                 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
Top Control Panel
                                                                                 Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                          3132
         Top Control Panel
                                                                          3133
                                                                                 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                                                    IC, M62320FP . . . . . . . . . . . . . . . .
                                                                                                          7106
                                                                                                                                                                                9322 127 15668
                                                                                                                    IC, TDA8601T/C1. . . . . . . . . . . . . . . . . .
                                                                                                          7107
   3142
                                                                                                          7108
                                                                                                                    Transistor, NPN, PMBT2369(UAW) . . . .
                                                                                                                                                                                3198 010 43360
            Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
   3143
                                                                                                          7109
                                                                                                                    Transistor, PNP, BC857B(COL) . . . . .
                                                                                                                                                                                3198 010 42150
   3144
                                                                                                          7110
                                                                                                                    Transistor, NPN, BC847B(COL) . . . . .
                                                                                                                                                                                3198 010 42030
   3145
                                                                                                          7400
                                                                                                                    IC, TSH93ID. . . . . . . . . . . . . . . .
                                                                                                                                                                                9322 145 66668
   3150
             Res, 22 ohm, 5%, 1/10W, Metalized Glass 3198 021 52290
                                                                                                          7450
                                                                                                                    IC, TSH93ID. . . . . . .
                                                                                                                                                                                9322 145 66668
                                                                                                                    IC, TSH93ID.

Transistor, NPN, BC847B(COL).

Transistor, NPN, BC847B(COL).

Transistor, NPN, BC847B(COL).

IC, LM1881M.

Transistor, NPN, BC847B(COL).

IC, 74HCT4538D.

IC, 74HCT4538D.
            Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
   3151
                                                                                                          7451
                                                                                                                                                                                3198 010 42030
                                                                                                                                                                                3198 010 42030
   3401
                                                                                                          7452
             Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
                                                                                                                                                                                3198 010 42030
   3402
                                                                                                          7453
             Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
   3403
            Res, 1K3, 1%, 1/8W, Metalized Glass . 2322 734 61302
Res, 1K8, 5%, 1/10W, Metalized Glass . 3198 021 51820
   3404
                                                                                                          7713
                                                                                                                                                                                3198 010 42030
                                                                                                          7750
                                                                                                                                                                                9337 153 90118
            Res, 1K3, 1%, 1/8W, Metalized Glass . 2322 734 61302
Res, 1K3, 1%, 1/8W, Metalized Glass . 2322 734 61302
Res, 1K3, 5%, 1/10W, Metalized Glass . 3198 021 51820
Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51820
                                                                                                          7751
   3406
                                                                                                                                                                                9337 153 90118
   3407
   3408
                                                                                                       Front I/O Panel
   3409
                                                                                                                    Front I/O Panel
                                                                                                                    3410
            Res, 820 ohm, 5%, 1/10W, Metalized Glas 3198 021 58210
                                                                                                          CBA
                                                                                                                                                                                3139 187 29991
            Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
Res, 1K1, 1%, 1/8W, Metalized Glass . 2322 734 61102
Res, 620 ohm, 1%, 1/8W, Metalized Glass 2322 734 66201
Res, 620 ohm, 1%, 1/8W, Metalized Glass 2322 734 66201
   3411
                                                                                                          0214
                                                                                                                                                                                2422 025 06353
   3412
                                                                                                          1000
                                                                                                                                                                                2422 128 02742
   3413
                                                                                                          1003
                                                                                                                    Tact Switch. . . . . . . . . . . . . . . . . . .
                                                                                                                                                                                2422 128 02742
   3414
                                                                                                                    Tact Switch. . . . . . . . . . . . . . . . . . .
                                                                                                                                                                                2422 128 02742
                                                                                                          1004
                                                                                                                    3415
                                                                                                          1005
                                                                                                                                                                                2422 128 02742
   3416
             Res, 1K1, 1%, 1/8W, Metalized Glass. . 2322 734 61102
                                                                                                          1006
                                                                                                                                                                                2422 128 02742
   3417
             Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
                                                                                                          2001
                                                                                                                                                                                3198 025 31010
            Res, 2K, 1%, 1/8W, Metalized Glass . . 2322 734 62002
Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220
   3419
                                                                                                                    Cap, 10n, +80/-20%, 50v, Ceramic . . .
                                                                                                          2002
                                                                                                                                                                                3198 019 21030
   3420
                                                                                                                    Res, 330 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                          3003
                                                                                                                                                                                3198 011 03310
             Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
   3421
                                                                                                          3004
                                                                                                                    Res, 220 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                                                                3198 011 02210
            Res, 3K, 1%, 1/8W, Metalized Glass . . 2322 734 63002 Res, 1K, 1%, 1/8W, Metalized Glass . . 2322 734 61002
   3422
                                                                                                          3021
                                                                                                                    Res, 560 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                                                                3198 011 05610
   3423
                                                                                                          3022
                                                                                                                    Res, 390 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                                                                3198 011 03910
            Res, 1K, 1%, 1/8W, Metalized Glass . . 2322 734 61002
Res, 1K, 1%, 1/8W, Metalized Glass 3198 021 54710
Res, 1K, 1%, 1/8W, Metalized Glass . . 2322 734 61002
Res, 1K3, 1%, 1/8W, Metalized Glass . . 2322 734 61302
Res, 910 ohm, 1%, 1/8W, Metalized Glass 2322 734 69101
   3424
                                                                                                          3023
                                                                                                                    Res, 560 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                                                                3198 011 05610
   3426
                                                                                                                    Res, 270 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                                                                3198 011 02710
                                                                                                          3024
                                                                                                                    Res, 3K3, 5%, 1/6W, Carbon Film. . . .
   3427
                                                                                                                                                                                3198 011 03320
                                                                                                          3025
   3428
                                                                                                          3026
                                                                                                                    Res, 1K5, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                                                                3198 011 01520
            Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52702
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                                                    9336 247 60133
                                                                                                          6005
   3430
                                                                                                          1002
                                                                                                                                                                                9322 127 54667
            Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
   3431
                                                                                                                                                                                9322 185 69682
   3433
            Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230 Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230 Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 330K, 5%, 1/10W, Metalized Glass . 3198 021 53340 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
   3434
                                                                                                       YPbPr 1FH Interface + Expander
   3435
                                                                                                                    YPbPr 1FH Interface + Expander
   3436
                                                                                                          CBA
                                                                                                                     YPbPr 1FH Interface + Expander . . . .
                                                                                                                                                                               3104 328 10862
   3701
                                                                                                                    0025
                                                                                                                                                                                2422 034 20021
   3702
                                                                                                          0224
                                                                                                                                                                                2422 025 06353
   3703
                                                                                                                                                                                2422 025 12489
                                                                                                         1933
                                                                                                                    4 Pin Board Connector. . . . . . . .
   3704
             Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
                                                                                                                    6 Pin Board Connector. . . . . . . .
                                                                                                          1934
                                                                                                                                                                                2422 025 10738
                                                                                                                    Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250 Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250 Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
   3705
             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                          2801
   3707
             Res, 680 ohm, 5%, 1/10W, Metalized Glas 3198 021 56810
                                                                                                          2803
            Res, 82K, 5%, 1/10W, Metalized Glass . 3198 021 58230 Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
   3715
                                                                                                          2805
   3716
                                                                                                                    Cap, 100u, 20%, 25v, Electrolytic. . 3198 025 31010 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040
                                                                                                          2810
            Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230 Res, 120K, 5%, 1/8W, Metalized Glass . 2322 730 61124
   3717
   3718
                                                                                                          3801
                                                                                                                    Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                                                    Res, 15K, 5%, 1/10W, Metalized Glass . 3198 021 51530
Res, 15K, 5%, 1/10W, Metalized Glass . 3198 021 51530
   3900
             Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590
                                                                                                          3802
   3901
             Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590
                                                                                                          3803
            Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590
   3902
                                                                                                          3804
                                                                                                                    Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
            Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
   3903
                                                                                                          3805
                                                                                                                    Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
   3904
                                                                                                                    Res, 180 ohm, 5%, 1/10W, Metalized Glas 3198 021 51810
                                                                                                          3806
            Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820 Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
   3905
                                                                                                                    Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                                                          3807
   3906
                                                                                                                    Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                                          3808
   3909
                                                                                                          3811
                                                                                                                    Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 55830
Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930
   3910
                                                                                                          3812
   3911
                                                                                                          3813
   3912
            Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                          3814
                                                                                                                    Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
            Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
   3913
                                                                                                          3815
                                                                                                                    Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
            Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
   3914
                                                                                                          3816
                                                                                                                    Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
   3915
             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                                          3817
                                                                                                                    Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
   3916
                                                                                                                    Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 3R9, 5%, 1/8W, Metalized Glass. . 2322 750 63908 Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                                          3818
   3917
             Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                                          3819
             Res, 3R9, 5%, 1/8W, Metalized Glass. . 2322 750 63308
Res, 3R3, 5%, 1/8W, Metalized Glass. . 2322 750 63308
S 3940
                                                                                                          3821
  3941
                                                                                                                    Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
                                                                                                          3822
   3999
             Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                                    Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                                          3823

      Res, 1K, 5%, 1/10W, Metalized Glass.
      3198 021 51020

      Res, Zero ohm, "Chip" Jumper
      3198 021 90020

      Zener Diode, 3.9 volt
      3198 020 53980

      Diode, 1PS76SB10
      9340 453 90115

      Diode, 1PS76SB10
      9340 453 90115

      Diode, 1PS76SB10
      9340 453 90115

      Zener Diode, 6.8 volt
      3198 020 56880

      Zener Diode, 6.8 volt
      3198 020 56880

      Zener Diode, 6.8 volt
      3198 020 56880

      Zener Diode, 6.8 volt
      3198 020 56880

   4701
                                                                                                          3824
   6400
                                                                                                                    Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
                                                                                                                    Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
   6700
                                                                                                          3826
                                                                                                                    Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
   6701
                                                                                                          3827
   6703
                                                                                                          3828
   6900
                                                                                                          3830
                                                                                                                    Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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2446		3198 016 04				3198 025 32210
2447	Cap, 470p, 5%, 50v, Ceramic				47n, 10%, 25v, Ceramic	3198 023 04730 3198 014 01050
2448 2450	Cap, 470p, 5%, 50v, Ceramic Cap, 100n, 10%, 100v, Metalized Polyest	3198 016 04			1u, 10%, 50V, Polyester	3198 014 01050
2430	er	2222 365 85			470p, 10%, 50v, Ceramic	3198 017 04710
2454		2020 552 964			3u3, 20%, 16v, Electrolytic	3198 026 23320
2455		3198 017 04			100p, 5%, 50v, Ceramic	3198 016 01010
2459		3198 019 44			100p, 5%, 50v, Ceramic	3198 016 01010
2460		3198 026 23				3198 025 51090
2461		3198 019 44	710 29	13 Cap,	100n, 10%, 16v, Ceramic	3198 017 01040
2462	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32				3198 025 11010
2463		3198 019 44'				3198 016 01010
2464	Cap, 2u2, 20%, 25v, Electrolytic				100p, 5%, 50v, Ceramic	
2465	Cap, 470p, 10%, 500v, Ceramic	3198 019 44	:/10 29	21 Cap,	ln, 5%, 50v, Ceramic	3TAR NTP NT050

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Cap, 330p, 5%, 50v, Ceramic. . . . . . 3198 016 03310 Cap, 330p, 5%, 50v, Ceramic. . . . . . 3198 016 03310
                                                                               3485
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                               3486
                                                                                       Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
  2926
         Cap, 470u, 20%, 6.3v, Electrolytic . . 3198 025 04710
                                                                                3487
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 52230
  2927
          Cap, 47u, 20%, 50v, Electrolytic . . . 3198 025 54790
                                                                               3489
                                                                                       Res, 2K2, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 52220
  2928
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                               3495
                                                                                       Res, 33K, 1%, 3/5W, Metal Film . . . .
                                                                                                                                    2312 915 13303
  2941
          Cap, 6n8, 10%, 50v, Ceramic. . . . . . 3198 017 06820
                                                                               3496
                                                                                       Res, 1K, 5%, 1/6W, Carbon Film .
                                                                                                                                    3198 011 01020
                                                                                       Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2942
         Cap, 6n8, 10%, 50v, Ceramic. . . . . 3198 017 06820
                                                                               3497
  2951
         Cap, 1u, 20%, 50v, Electrolytic. . . . 3198 025 51080
                                                                               3498
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                       Res, 0R47, 10%, 7W, Wire Wound . . . .
  2952
          Cap, 47n, 10%, 25v, Ceramic. . . . . 3198 023 04730
                                                                             S 3500
                                                                                                                                    2322 252 41477
                                                                                       Res, 220 ohm, 20%, 1/2W, Carbon Film .
Res, 4M7, 5%, 1/2W, Metalized Glass. .
         Cap, 47n, 10%, 25v, Ceramic. .
                                                      3198 023 04730
  2953
                                                                             S 3501
                                                                                                                                    3198 013 02210
         Res, 3M3, 5%, 1/4W, Metalized Glass. .
                                                      2322 241 53335
                                                                             S 3502
                                                                                                                                    2322 242 13475
  3101
  3102
         Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                             S 3503
                                                                                       Res, 4M7, 5%, 1/2W, Metalized Glass. .
                                                                                                                                    2322 242 13475
         Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                                       Res, 470 ohm, 5%, 1/6W, Carbon Film. .
  3103
                                                                               3504
                                                                                                                                    3198 011 04710
         Res, 47 ohm, 5%, 1/6W, Carbon Film . . 3198 011 04790 Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                                       Res, 68K, 5%, 1/10W, Metalized Glass .
  3104
                                                                                3505
                                                                                                                                    3198 021 56830
  3105
                                                                                       Res, 47K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 54730
                                                                                3506
  3106
         Res, 1K, 5%, 1/6W, Carbon Film . . . 3198 011 01020
                                                                               3507
                                                                                       Res, 160K, 1%, 3/5W, Metal Film. . . .
                                                                                                                                    2312 915 11604
  3107
         Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
                                                                             S 3508
                                                                                       Res, 6K8, 5%, 1W, Metal Film . . . . .
                                                                                                                                    3198 012 16820
                                                                                       VDR, 800V. . . . . . . . . . . . . . . . . . 2322 595 90025 Res, 2K, 1%, 1/8W, Metalized Glass . . 2322 734 62002
  3108
         Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
                                                                             S 3509
         Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                               3510
  3109
                                                                                       Res, 3K9, 5%, 1/6W, Carbon Film. . . . Res, 68K, 5%, 1/6W, Carbon Film. . . .
         Res, 10 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03109
                                                                                                                                    3198 011 03920
S 3110
                                                                               3511
         Res, 22 ohm, 5%, 1/6W, Carbon Film . . 3198 011 02290
  3113
                                                                               3512
                                                                                                                                    3198 011 06830
                                                                                       Res, 330K, 5%, 1W, Metal Film . . . . 2322 193 53334
Res, 1R2, 5%, 1W, Metal Film . . . . 2322 193 53128
         Res, 220 ohm, 5%, 1/6W, Carbon Film. . 3198 011 02210 Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010 Res, 4R7, 5%, 1/6W, Carbon Film. . . 3198 011 04780
  3114
                                                                               3513
  3117
                                                                               3514
  3118
                                                                               3515
                                                                                       Res, OR68, 5%, 3/5W, Metal Film. . . .
                                                                                                                                    3198 012 16870
         Res, 33 ohm, 5%, 1/6W, Carbon Film .
                                                   . 3198 011 03390
                                                                               3517
                                                                                       Res, 4K7, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 54720
         Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                               3518
                                                                                       Res, 100K, 5%, 1/6W, Carbon Film . . .
                                                                                                                                    3198 011 01040
  3120
  3121
         Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                               3519
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 52230
  3123
         Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
                                                                             S 3520
                                                                                       Res, 33K, 5%, 2 1/2W, Metal Film . . .
                                                                                                                                    3198 012 33330
  3124
         Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
                                                                             S 3521
                                                                                       Res, 1M, 5%, 1/2W, Metalized Glass . .
                                                                                                                                    2322 242 13105
         Res, 15 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01590 Res, 10K, 5%, 1/6W, Carbon Film . . 3198 011 01030 Res, 5K6, 5%, 1/6W, Carbon Film . . . 3198 011 05620 Res, 47 ohm, 5%, 1/6W, Carbon Film . . . 3198 011 04790
                                                                                       Res, 6K8, 5%, 1/6W, Carbon Film. . . .
  3125
                                                                               3522
                                                                                                                                    3198 011 06820
  3126
                                                                               3523
                                                                                       Res, 1M, 5%, 1/10W, Metalized Glass. .
                                                                                                                                    3198 021 51050
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  3127
                                                                               3524
                                                                                       Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
  3130
                                                                               3525
  3148
         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                               3526
                                                                                       Res, OR1, 5%, 3/5W, Metal Film . . . .
                                                                                                                                    3198 012 11070
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                       Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
  3200
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3201
                                                                               3528
         Res, 1K, 5%, 1/6W, Carbon Film . . . 3198 011 01020 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                       Res, 680 ohm, 5%, 1/10W, Metalized Glas 3198 021 56810
  3202
                                                                               3529
                                                                                       Res, 68K, 5%, 1/6W, Carbon Film. . . . 3198 011 06830 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3203
                                                                               3530
S 3230
         Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230
                                                                               3531
         3237
                                                                             S 3532
                                                                                       Res, PTC, 1R5, Degaussing. . . . . . 2322 662 96753
                                                                                       Res, 15 ohm, 5%, 1/10W, Metalized Glass 3198 021 51590
  3402
                                                                               3533
                                                                                       Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  3403
                                                                               3535
                                                                                       Res, 680K, 5%, 1/10W, Metalized Glass. 3198 021 56840
         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3404
                                                                               3536
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  3406
                                                                               3537
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                               3540
                                                                                       Res, 47K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 54730
         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                       Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
  3409
          Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
                                                                                3542
                                                                                       Res, OR1, 5%, 3/5W, Metal Film . . . .
                                                                                                                                   3198 012 11070
                                                                                       Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
  3410
         Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
                                                                               3543
  3411
         Res, 39 ohm, 5%, 1/4W, Carbon Film . . 2120 101 74399
                                                                               3544
                                                                                       Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
  3414
         Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
                                                                               3545
                                                                                       Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
         Res, 15 ohm, 5%, 2 1/2W, Metal Film. . 3198 012 31590 Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090 Res, 68K, 1%, 3/5W, Metal Film . . . 2312 915 16803
S 3415
                                                                               3550
                                                                                       Res, 220 ohm, 20%, 1/2W, Carbon Film . 3198 013 02210
                                                                                       Res, 470K, 1%, 3/5W, Metal Film. . . . 2312 915 14704
  3417
                                                                               3600
                                                                                       Res, 470K, 1%, 3/5W, Metal Film. . . .
                                                                                                                                    2312 915 14704
  3418
                                                                               3601
         Res, 330 ohm, 5%, 1/3W, Metal Film . . 2306 204 03331
Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230
                                                                                       Res, 8K2, 5%, 1/10W, Metalized Glass .
S 3431
                                                                               3602
                                                                                                                                    3198 021 58220
S 3436
                                                                                       Trim Pot, 470 ohm. . . . . . . . . . . . .
                                                                                                                                    2120 368 90118
                                                                               3603
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                       Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3439
                                                                                3604
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                                       Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
                                                                                3605
         Res, 1M, 5%, 1/10W, Metalized Glass. . 3198 021 51050 Res, 470K, 5%, 1/10W, Metalized Glass. 3198 021 54740
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. .
  3441
                                                                                3606
                                                                                                                                    3198 021 51020
  3442
                                                                               3607
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass .
  3443
                                                                               3608
                                                                                                                                   3198 021 52230
  3444
         Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930
                                                                               3609
                                                                                       Trim Pot, 22k. . . . . . . . . . . . . . . . 2120 368 90124
  3445
         Res, 2K2, 5%, 1/10W, Metalized Glass .
                                                      3198 021 52220
                                                                               3610
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 52230
  3446
         Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                               3612
                                                                                       Res, 82K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 58230
s 3447
         Res, 22 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03229
                                                                               3613
                                                                                       Res, 270K, 5%, 1/8W, Metalized Glass .
                                                                                                                                    2322 730 61274
         Res, 10K, 5%, 1/6W, Carbon Film. . . . 3198 011 010230
Res, 8K2, 5%, 1/6W, Carbon Film. . . . 3198 011 08220
                                                                                       Res, 150K, 1%, 3/5W, Metal Film. . . .
  3450
                                                                               3614
                                                                                                                                    2312 915 11504
  3451
                                                                               3615
                                                                                       Res, 560K, 5%, 1/4W, Carbon Film . . .
                                                                                                                                    2120 101 74564
  3452
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                               3616
                                                                                       Res, 470K, 5%, 1/6W, Carbon Film . . .
                                                                                                                                    3198 011 04740
         Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
  3454
                                                                                3617
                                                                                       Res, 1K, 5%, 1/6W, Carbon Film . . . .
                                                                                                                                    3198 011 01020
  3455
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                3618
                                                                                                                                    3198 021 51020
  3458
         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
                                                                               3619
                                                                                       Res, 5K6, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 55620
                                                                                       Res, 3R3, 5%, 1/4W, Carbon Film. . . .
S 3459
         Res, 1R5, 5%, 1/2W, Metal Film . . . . 2306 207 03158
                                                                               3620
                                                                                                                                    2120 101 74338
S 3460
         Res, 1R5, 5%, 1/2W, Metal Film . . . . 2306 207 03158
                                                                               3621
                                                                                       Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
                                                                                                                                    3198 011 01080
                                                      2306 207 03158
S 3461
         Res, 1R5, 5%, 1/2W, Metal Film . . . .
                                                                               3622
                                                                                       Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
                                                                                                                                    3198 011 01080
                                                                                       Res, 22K, 5%, 1/10W, Metalized Glass .
Res, 1R5, 5%, 1/3W, Metal Film . . .
         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
S 3462
                                                                               3623
                                                                                                                                    3198 021 52230
         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
S 3463
                                                                                                                                    2306 204 03158
                                                                             S 3624
                                                                                       Res, 150 ohm, 5%, 1/6W, Carbon Film. .
         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                                                                                    3198 011 01510
  3464
                                                                               3626
         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
Res, 10 ohm, 5%, 1/3W, Metal Film . . . 2306 204 03109
                                                                                       Res, 1M, 5%, 1/6W, Carbon Film . . . . Res, 3R3, 5%, 1/4W, Carbon Film . . .
                                                                                                                                    3198 011 01050
  3465
                                                                                3627
  3466
                                                                                3628
                                                                                                                                    2120 101 74338
S 3467
         Res, 10 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03109
                                                                               3630
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                    3198 021 51020
                                                                                       Res, 4K7, 5%, 1/10W, Metalized Glass .
  3468
          Res, 6R8, 5%, 1/2W, Metal Film . . . . 2306 207 03688
                                                                                3631
                                                                                                                                    3198 021 54720
  3470
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 51030
                                                                               3632
  3471
         Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
                                                                               3633
                                                                                       Res, 150K, 5%, 1/10W, Metalized Glass.
                                                                                                                                    3198 021 51540
  3472
         Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930
                                                                               3634
                                                                                       Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                    3198 021 51020
  3473
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                               3635
                                                                                       Res, 1K5, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 51520
                                                                                       Res, 330K, 5%, 1/10W, Metalized Glass.
Res, 470K, 5%, 1/10W, Metalized Glass.
  3474
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                               3636
                                                                                                                                    3198 021 53340
  3475
         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
                                                                                                                                    3198 021 54740
                                                                               3639
  3476
         Res. 220K. 5%, 1/6W. Carbon Film . . .
                                                      3198 011 02240
                                                                               3640
                                                                                       Res, 22K, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                    3198 011 02230
  3477
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                               3641
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass.
                                                                                                                                    3198 021 51030
  3478
          Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                               3642
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 51030
          Res, 100 ohm, 5%, 1 1/3W, Metal Film . 3198 012 21010
  3479
                                                                                       Res, 33K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 53330
          Res, 100 ohm, 5%, 1/6W, Carbon Film. .
                                                      3198 011 01010
                                                                               3644
                                                                                       Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                    3198 021 51030
  3481
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                               3645
                                                                                       Res, 330K, 5%, 1/6W, Carbon Film . . . 3198 011 03340
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Res, Zero ohm, "Chip" Jumper . . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                                4441
                                                                                                                                                                 3198 021 90020
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                                4442
3654
                                                                                                4443
                                                                                                          Res, Zero ohm,
                                                                                                                               "Chip" Jumper . . . . .
                                                                                                                                                                  3198 021 90020
                                                                                                                               "Chip" Jumper . . . .
3654
                                                                                                4444
                                                                                                          Res, Zero ohm,
                                                                                                                                                                  3198 021 90020
                                                                                                         3654
                                                                                                4483
                                                                                                                                                                 3198 021 90020
         LED
3661
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                4521
                                                                                                                                                                 3198 021 90020
                                                                                                                              "Chip" Jumper
3663
                                                                                                4522
                                                                                                                                                                 3198 021 90020
3701
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                4611
                                                                                                          Res, Zero ohm,
                                                                                                                                                                 3198 021 90020
3702
                                                                                                                                                                 3198 021 90020
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                4615
                                                                                                          Res, Zero ohm,
         Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220 Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220
3705
                                                                                                          Res, Zero ohm,
                                                                                                                                                                 3198 021 90020
                                                                                                4619
3706
                                                                                                4702
                                                                                                                                                                 3198 021 90020
                                                                                                          Res, Zero ohm,
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
3710
                                                                                                4707
                                                                                                          Res, Zero ohm,
                                                                                                                                                                 3198 021 90020
3711
                                                                                                4710
                                                                                                          Res, Zero ohm,
                                                                                                                                                                 3198 021 90020
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                                4722
3714
                                                                                                          Res, Zero ohm,
                                                                                                                                                                 3198 021 90020
3715
                                                                                                4723
                                                                                                                                                                 3198 021 90020
                                                                                                          Res, Zero ohm,
                                                                                                          Res, Zero ohm,
3716
         Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
                                                                                                4724
                                                                                                                                                                 3198 021 90020
3717
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                                4901
                                                                                                          Res, Zero ohm,
                                                                                                                                                                 3198 021 90020
                                                                                                          Res, Zero ohm,
3730
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                4902
                                                                                                                                                                 3198 021 90020
                                                                                                                              "Chip" Jumper
"Chip" Jumper
"Chip" Jumper
"Chip" Jumper
"Chip" Jumper
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
3731
                                                                                                4904
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                                                                                                          Res, Zero ohm,
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3732
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                                                                                                          Res, Zero ohm,
         Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
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3733
                                                                                                          Res, Zero ohm,
3734
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 \,
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                                                                                                          Res, Zero ohm,
                                                                                                                                                                 3198 021 90020
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3735
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
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                                                                                                          Res, Zero ohm,
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                                                                                                          Res, Zero ohm,
3736
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                4915
                                                                                                                                                                 3198 021 90020
         Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
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3738
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3739
         Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
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3740
         Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
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3741
         Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
                                                                                                4923
                                                                                                                                                                 3198 021 90020
         Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890 Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
3742
                                                                                                                                                                 3198 021 90020
                                                                                                4924
3743
                                                                                                                                                                 3198 021 90020
                                                                                                4926
3744
         Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
                                                                                                                                                                 3198 021 90020
                                                                                                4927
         Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
3745
                                                                                                4928
                                                                                                                                                                 3198 021 90020
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
3750
                                                                                                4929
                                                                                                                                                                 3198 021 90020
3756
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                                                                                                                                                                 3198 021 90020
                                                                                                         Res, Zero ohm, "Chip" Jumper
3757
         Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                                                4932
                                                                                                                               "Chip" Jumper . . . . .
                                                                                                                                                                 3198 021 90020
                                                                                                          Res, Zero ohm,
3758
         Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                                                4933
                                                                                                                                                                 3198 021 90020
3762
         Res, 8R2, 5%, 1/8W, Metalized Glass. . 2322 730 61828
                                                                                                4934
                                                                                                                                                                 3198 021 90020
3765
         Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
                                                                                                4935
                                                                                                                                                                 3198 021 90020
         Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 150K, 5%, 1/10W, Metalized Glass. 3198 021 51540
3770
                                                                                                4937
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3773
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                                                                                                                                                                 3198 021 90020
3789
         Res, 8R2, 5%, 1/8W, Metalized Glass. . 2322 730 61828
                                                                                                                                                                 3198 021 90020
                                                                                                4939
                                                                                                         3790
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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                                                                                                4941
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
3792
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                                                                                                                                                                 3198 021 90020
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
3908
                                                                                                4946
                                                                                                                                                                 3198 021 90020
3909
         Res, 75 ohm, 5%, 1/6W, Carbon Film .
                                                                                                4947
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3910
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                             S 5101
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                                                                                                          3911
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                                                5102
                                                                                                                                                                 3198 018 28280
3912
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                                                5103
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3913
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                                                5104
                                                                                                                                                                 3198 018 90020
3914
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                5105
                                                                                                                                                                 2422 535 95748
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                          3915
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                                                                                                5106
3919
                                                                                                                                                                 3198 018 90020
                                                                                                5110
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 6R8, 5%, 1/3W, Metal Film . . . 2306 204 03688
                                                                                                                                                                 3198 018 90020
3920
                                                                                                5115
                                                                                                          3925
                                                                                                                                                                 3198 018 16870
                                                                                                5120
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
3928
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                                                                                                                                                                 2422 535 94267
                                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                                                                                 3198 018 90080
3929
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         Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
3930
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                                                                                                                                                                 3198 018 90080
         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
3932
                                                                                                5205
                                                                                                          Inductor, 100MHz, 600 ohm. . . . . .
                                                                                                                                                                 3198 018 90080
                                                                                                          3935
         Res, 75 ohm, 5%, 1/6W, Carbon Film .
                                                                                                5400
                                                                                                                                                                 3198 018 73390
3936
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                                             S 5410
                                                                                                                                                                 2422 531 02447
                                                                                                         3937
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                                               5411
                                                                                                                                                                 2422 535 95339
         Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510 Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
3940
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3941
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         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
3944
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                                                                                                                                                                 2422 535 95097
3946
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                                                                                                                                                                 2422 531 02557
3950
         Res, 1K8, 5%, 1/6W, Carbon Film. . . . 3198 011 01820
                                                                                                5461
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3955
         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                                5463
                                                                                                                                                                 3198 018 90020
3970
         Res, 120 ohm, 5%, 1/10W, Metalized Glas 3198 021 51210
                                                                                                          Ferrite Bead, 100MHz . . . . . . . . .
                                                                                                                                                                 3198 018 90020
                                                                                                5465
                                                                                                         Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720
Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
3971
                                                                                                5466
                                                                                                                                                                 3198 018 76890
3972
                                                                                                5467
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3975
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                                5468
                                                                                                                                                                 3198 018 72290
         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010 Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
3991
                                                                                                5469
                                                                                                                                                                 3198 018 11890
3992
                                                                                                5494
                                                                                                                                                                 2422 535 94095
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
3993
                                                                                             S 5503
                                                                                                                                                                 2422 549 44362

      Wire Jumper
      3198
      036
      90010

      Wire Jumper
      3198
      036
      90010

      Wire Jumper
      3198
      036
      90010

3995
                                                                                                5505
                                                                                                                                                                 3198 018 90020
3996
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3997
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      Wire Jumper
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4102
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4401
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                                                                                                         4402
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4403
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4405
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4406
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                                                                                                                                                                 9331 669 60133
         4407
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                                                                                                                                                                 9336 247 60133
4408
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                                                                                                                                                                 9336 247 60133
4409
                                                                                                6111
                                                                                                                                                                 9322 161 78682

      Diode, Rect., SB360L-7024.
      9322 161 76882

      Diode, 1N4148.
      3198 010 10010

      Diode, 1N4148.
      3198 010 10010

      Zener Diode, 3.9 volt.
      3198 010 53980

      Diode, BAT85.
      9336 247 60133

      Zener Diode, 33 volt
      3198 020 53390

         Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
4410
                                                                                                6120
                                                                                                6121
4412
         Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
4413
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                                                                                                6124
4415
         Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
                                                                                               6200
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6204	Zener Diode, 6.8 volt	 3198 02	56880	7620	IC, TDA8177 9322 066 43687
6205	Zener Diode, 6.8 volt	 3198 02	56880	7640	Transistor, NPN, BC847B(COL) 3198 010 42030
6206	Zener Diode, 6.8 volt			7641	Transistor, NPN, BC847B(COL) 3198 010 42030
6207	Zener Diode, 6.8 volt	 3198 02	0 56880	7652	Transistor, NPN, BC847B(COL) 3198 010 42030
6405	Zener Diode, 33 volt	 3198 02	0 53390	7653	Transistor, NPN, BC847B(COL) 3198 010 42030
6406	Diode, BAS316	 3198 01	0 10630	7654	Transistor, PNP, BC857B(COL) 3198 010 42150
6407	Diode, BAS316	 3198 01	0 10630	7655	Transistor, NPN, BC847B(COL) 3198 010 42030
6408	Diode, Rect, BYD33D	 9337 23	4 00133	7702	Transistor, NPN, BC847B(COL) 3198 010 42030
6421	Diode, Rect, BY359X-1500	 9340 30	3 30127	7720	Transistor, NPN, BC847B(COL) 3198 010 42030
6422	Diode, Rect, BY229X-600	 9340 38	0 20127	7721	Transistor, NPN, BC847B(COL) 3198 010 42030
6436	Diode, Rect, BYD33J	 9337 23	4 20133	7722	Transistor, PNP, BC857B(COL) 3198 010 42150
6437	Diode, Rect, BYD33J	 9337 23	4 20133	7723	Transistor, PNP, BC857B(COL) 3198 010 42150
6440	Diode, BAS316	 3198 01	0 10630	7724	Transistor, NPN, BC847B(COL) 3198 010 42030
6441	Diode, BAS316	 3198 01	0 10630	7725	Transistor, NPN, BC847B(COL) 3198 010 42030
6442	Zener Diode, 15 volt	 3198 02	0 51590	7730	Transistor, NPN, BC847B(COL) 3198 010 42030
6451	Diode, BAS316			7731	Transistor, PNP, BC857B(COL) 3198 010 42150
6452	Diode, BAS316			7732	Transistor, NPN, BC847B(COL) 3198 010 42030
6453	Diode, BAS316			7750	IC, TDA2616 9350 403 20112
6454	Zener Diode, 33 volt			7901	Transistor, NPN, BC547B(COL) 3198 020 40030
6456	Zener Diode, 33 volt			7902	Transistor, NPN, BC337-25(COL) 3198 020 43530
6461	Diode, Rect, BYV29X-500			7905	Transistor, NPN, BC368 9332 592 40126
6463	Diode, Rect, BYV29X-500			7906	IC, L4940V85 9322 005 46687
6465	Diode, Rect, BYV29X-500			7907	Transistor, NPN, BC847B(COL) 3198 010 42030
6466	Diode, Rect, BYV29X-500			7908	Transistor, PNP, BC857B(COL) 3198 010 42150
6468	Diode, Rect, BYD33D			7909	Transistor, PNP, BC857B(COL) 3198 010 42150
6480	Diode, Rect, BYD33D			8203	Cable, 4 Pin, 340mm
6481	Zener Diode, 18 volt			8204	Cable, 6 Pin, 220mm
6482	Diode, BAS316			8317	Cable, 2 Pin, 340mm
6492	Diode, BAS316			8324	Cable, 7 Pin, 560mm
6493	Zener Diode, 47 volt			8340	Cable, 11 Pin 480mm
6499	Zener Diode, 6.8 volt			8392	Cable, 3 Pin, 220mm
6505	Zener Diode, 6.8 Volt Zener Diode, 15 volt			8392 8924	Cable, 5 Pin, 280mm 3104 311 041/1 Cable, 5 Pin, 280mm
6506	Diode, 1N4148			8936	Cable, 11 Pin, 820mm
6507	Diode, Rect, BYV28-200/24			8951	Cable, 5 Pin, 340mm
6508	Diode, Rect, BYV28-400/20			9101	Wire Jumper
6510	Zener Diode, 15 volt			9102	Wire Jumper
6511	Diode, BAS316			9113	Wire Jumper
6512	Diode, BAS316			9203	Wire Jumper
6513	Diode, Bridge Rect, REC GBU4K			9204	Wire Jumper
6514	Zener Diode, 200 volt			9206	Wire Jumper
6515	Zener Diode, 5.6 volt			9210	Wire Jumper
6516	Diode, BAS316			9212	Wire Jumper
6517	Diode, BAT85			9217	Wire Jumper
6518	Diode, BAS316			9219	Wire Jumper
6519	Diode, Rect, BYD33D			9221	Wire Jumper
6600	Diode, 1N4148			9222	Wire Jumper
6616	Diode, BAS316			9224	Wire Jumper
6617	Diode, 1N4148			9226	Wire Jumper 3198 036 90010
6619	Diode, Rect, BYD33D			9228	Wire Jumper 3198 036 90010
6620	Diode, Rect, BYV27-200			9229	Wire Jumper
6623	Diode, BAS316			9230	Wire Jumper
6636	Diode, BAS316	 3198 01	0 10630	9231	Wire Jumper
6660	Diode, BAT85	 9336 24	7 60133	9232	Wire Jumper
6665	Diode, BAS316	 3198 01	0 10630	9302	Wire Jumper 3198 036 90010
6731	Diode, BAS316	 3198 01	0 10630	9401	Wire Jumper 3198 036 90010
6732	Diode, BAS316	 3198 01	0 10630	9402	Wire Jumper 3198 036 90010
6900	Diode, BAS316	 3198 01	0 10630	9403	Wire Jumper 3198 036 90010
6901	Diode, 1PS76SB10	 9340 45	3 90115	9404	Wire Jumper 3198 036 90010
6902	Diode, 1PS76SB10	 9340 45	3 90115	9405	Wire Jumper 3198 036 90010
6903	Diode, 1PS76SB10	 9340 45	3 90115	9406	Wire Jumper 3198 036 90010
6904	Diode, 1N4148	 3198 01	0 10010	9407	Wire Jumper 3198 036 90010
7100	Transistor, PNP, BC557B(COL)	 3198 02	0 40110	9412	Wire Jumper 3198 036 90010
7101	Transistor, NPN, BC547B(COL)	 3198 02	0 40030	9414	Wire Jumper
7102	Power FET, STP3NB60FP	 9322 12	9 71687	9418	Wire Jumper 3198 036 90010
S 7104	Optical Coupler, TCDT1102G			9419	Wire Jumper
7228	Transistor, NPN, PMBT2369(UAW) .			9421	Wire Jumper
7407	Transistor, NPN, BC847B(COL)			9423	Wire Jumper
7408	Transistor, NPN, BC368			9424	Wire Jumper
7409	Transistor, NPN, BC847B(COL)			9425	Wire Jumper
7421	Transistor, NPN, BU2527DX	 9340 49	6 80127	9428	Wire Jumper
7440	IC, LM358N	 9339 84	90682	9429	Wire Jumper
7441	Transistor, NPN, BC547B(COL)	 3198 02	0 40030	9430	Wire Jumper
7442	Transistor, PNP, BC557B(COL)	 3198 02	0 40110	9431	Wire Jumper
7452	Transistor, NPN, BC847B(COL)	 3198 01	0 42030	9435	Wire Jumper
7480	Power FET, STP3NB60FP	 9322 12	9 71687	9436	Wire Jumper
7481	Transistor, PNP, BC557B(COL)	 3198 02	0 40110	9505	Wire Jumper
S 7482	Optical Coupler, TCDT1102G	 9319 00	2 76682	9510	Wire Jumper
7501	Transistor, PNP, BC857B(COL)	 3198 01	0 42150	9512	Wire Jumper
7502	Transistor, NPN, BF487	 9337 62	6 60126	9513	Wire Jumper
7504	Power FET, STP5NB40			9515	Wire Jumper
7505	Transistor, PNP, BC857B(COL)	 3198 01	0 42150	9516	Wire Jumper
7506	IC TL431ACZ-AP S (ST00) A .	 9322 08	6 97676	9518	Wire Jumper
7510	Transistor, NPN, BC847B(COL)	 3198 01	0 42030	9519	Wire Jumper
7528	Transistor, NPN, BC337-25(COL) .			9520	Wire Jumper
7529	Transistor, NPN, BC847B(COL)	 3198 01	0 42030	9523	Wire Jumper
7600	Transistor, NPN, BC546B	 9332 37	7 80126	9524	Wire Jumper
7602	Transistor, NPN, BC847B(COL)			9525	Wire Jumper
7603	Transistor, PNP, BC857B(COL)			9528	Wire Jumper
7605	Transistor, NPN, BC847B(COL)			9622	Wire Jumper
7606	Transistor, NPN, BC847B(COL)			9623	Wire Jumper
S 7610	Optical Coupler, TCDT1102G	 9319 00	2 76682	9705	Wire Jumper
S 7613	Optical Coupler, TCDT1102G	 9319 00	2 76682	9706	Wire Jumper
	efety Dart - Re gure to use eyect	 			

9707	Wire Jumper	3198 036 90010	2002	Cap, 33p, 5%, 50v, Ceramic	
9712	Wire Jumper	3198 036 90010	2003	Cap, 2n2, 10%, 50v, Ceramic	3198 017 32220
9713	Wire Jumper	3198 036 90010	2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9714	Wire Jumper		2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9715			2006		
	Wire Jumper			Cap, 100n, 10%, 16v, Ceramic	
9718	Wire Jumper	3198 036 90010	2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9720	Wire Jumper	3198 036 90010	2008	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9721	Wire Jumper	3198 036 90010	2009	Cap, 470p, 5%, 50v, Ceramic	3198 016 34710
9723	Wire Jumper		2010	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
9724	Wire Jumper		2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
9726	Wire Jumper	3198 036 90010	2012	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
9901	Wire Jumper	3198 036 90010	2013	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9902	Wire Jumper	3198 036 90010	2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9903	Wire Jumper		2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	-			± · · · · · · · · · · · · · · · · · · ·	
9904	Wire Jumper		2016	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9906	Wire Jumper	3198 036 90010	2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9907	Wire Jumper	3198 036 90010	2020	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9908	Wire Jumper		2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9909					
	Wire Jumper		2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9910	Wire Jumper	3198 036 90010	2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9911	Wire Jumper	3198 036 90010	2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9912	Wire Jumper	3198 036 90010	2300	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9914	Wire Jumper		2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9916			2302		
	Wire Jumper			Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9917	Wire Jumper		2304	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
9920	Wire Jumper	3198 036 90010	2305	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9921	Wire Jumper	3198 036 90010	2306	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
9922	Wire Jumper		2307	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9925	Wire Jumper		2308		3198 016 31090
				Cap, 10p, 5%, 50v, Ceramic	
9926	Wire Jumper		2313	Cap, 100n, 5%, 16v, Polypropylene	2020 319 90005
9927	Wire Jumper	3198 036 90010	2314	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9928	Wire Jumper		2315	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9931	Wire Jumper		2317	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9931	Wire Jumper		2317		3198 017 32230
	<u>=</u>			Cap, 22n, 10%, 25v, Ceramic	
9933	Wire Jumper	3198 036 90010	2319	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9934	Wire Jumper	3198 036 90010	2320	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
9936	Wire Jumper	3198 036 90010	2321	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9943	Wire Jumper	3198 036 90010	2322	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9944			2323		
	Wire Jumper			Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9945	Wire Jumper		2324	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9946	Wire Jumper	3198 036 90010	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9947	Wire Jumper	3198 036 90010	2328	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
9948	Wire Jumper		2329	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9950	Wire Jumper		2330	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9951	Wire Jumper	3198 036 90010	2331	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9952	Wire Jumper	3198 036 90010	2332	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9957	Wire Jumper	3198 036 90010	2333	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9958	Wire Jumper	3198 036 90010	2334	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9960	Wire Jumper		2335	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9963	Wire Jumper		2336	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9964	Wire Jumper	3198 036 90010	2338	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9965	Wire Jumper	3198 036 90010	2339	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
9966	Wire Jumper	3198 036 90010	2340	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
9967	Wire Jumper		2341	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9968	Wire Jumper		2342	Cap, 100n, 10%, 16v, Ceramic	
					3198 017 31040
9969	Wire Jumper		2343	Cap, 100n, +80/-20%, 25v, Ceramic	
9970	Wire Jumper	3198 036 90010	2350	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9971	Wire Jumper	3198 036 90010	2351	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9972	Wire Jumper	3198 036 90010	2352	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9975	Wire Jumper		2356	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9976				Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	Wire Jumper		2357		
9980	Wire Jumper		2358	Cap, 3n3, 10%, 50v, Ceramic	3198 017 33320
9983	Wire Jumper	3198 036 90010	2361	Cap, 1p2, 21%, 50v, Ceramic	3198 016 31280
9984	Wire Jumper	3198 036 90010	2362	Cap, 12p, 5%, 50v, Ceramic	2122 216 21000
9987	Wire Jumper				3198 016 31290
9988			2363	Cap, 470p, 10%, 50v, Ceramic	3198 016 31290 3198 017 34710
	Wire Jumper				3198 017 34710
	Wire Jumper	3198 036 90010	2365	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040
9990	Wire Jumper	3198 036 90010 3198 036 90010	2365 2366	Cap, 100n, 10%, 16v, Ceramic Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040
9990 9991	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367	Cap, 100n, 10%, 16v, Ceramic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367 2368	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367 2368	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 34720
9990 9991 9992 9993 9996	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371 2372	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 34720 3198 017 21050
9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371 2372 2373	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 34720 3198 017 21050 3198 017 31040
9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 34720 3198 017 21050 3198 017 31040 3198 017 31040 3198 017 22250
9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371 2372 2373	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 34720 3198 017 21050 3198 017 31040
9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 34720 3198 017 21050 3198 017 31040 3198 017 32230
9990 9991 9992 9993 9996 9997 9998 Small S	Wire Jumper. Signal Board Small Signal Board Small Signal Board	3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 34720 3198 017 21050 3198 017 31040 3198 017 32250 3198 017 32230 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S .	Wire Jumper. 2 Jumper. 2 Jumper. 3 Jumper. 3 Jumper. 4 Jumper. 5 Jumper. 5 Jumper. 6 Jumper. 7 Jumper. 7 Jumper. 8 Jumper. 8 Jumper. 8 Jumper. 8 Jumper. 9 Jump	3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601	Wire Jumper. Jumper. Wire Jumper.	3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431	2365 2366 2367 2368 2369 2371 2372 2373 2374 2375 2376 2377 2378	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 030 41010 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S CBA 0302 0601 1001	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz	3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2384	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31050 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601	Wire Jumper. Jumper. Wire Jumper.	3198 036 90010 3198 036 90010	2365 2366 2367 2368 2369 2371 2372 2373 2374 2375 2376 2377 2378	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 030 41010 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S CBA 0302 0601 1001 S 1003	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V.	3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013	2365 2366 2367 2368 2370 2371 2372 2373 2374 2375 2376 2377 2378 2384 2395	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31050 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S CBA 0302 0601 1001 1001 1003	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz	3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2384 2395 2396	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3205 3198 017 32250 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601 1001 \$ 1003 1301 1303	Wire Jumper. Iignal Board Small Signal Board Small Signal Board Small Signal Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz Fin Board Connector.	3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2384 2395 2396 2397	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601 1001 S 1003 1301 1303 1304	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector.	3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 17104	2365 2366 2367 2368 2370 2371 2372 2373 2374 2375 2376 2377 2378 2384 2395 2396 2397 2401	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S CBA 0302 0601 1001 \$ 1003 1301 1303 1304 1318	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. Crystal, 3.579545MHz	3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 16966 2422 025 17104 2422 543 00861	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2377 2378 2396 2397 2401 2410	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3250 3198 017 32250 3198 017 32250 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601 1001 S 1003 1301 1303 1304	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector.	3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 16966 2422 025 17104 2422 543 00861	2365 2366 2367 2368 2370 2371 2372 2373 2374 2375 2376 2377 2378 2384 2395 2396 2397 2401	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601 1001 1303 1304 1318 1407	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. Crystal, 3.579545MHz Filter, 4.5MHz	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 17104 2422 543 00861 2422 543 00861	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2377 2378 2396 2397 2401 2410	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3250 3198 017 32250 3198 017 32250 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601 1001 \$ 1003 1301 1303 1304 1318 1407 1408	Wire Jumper. Ignal Board Small Signal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. Crystal, 3.579545MHz Filter, 4.5MHz SAW Filter, 45.75MHz	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 17104 2422 543 00861 2422 549 44043 2422 549 44077	2365 2366 2367 2368 2370 2371 2372 2373 2374 2375 2376 2377 2378 2384 2395 2396 2397 2401 2410 2411 2412	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32250 3198 017 32230 3198 017 32230 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601 1001 S 1003 1301 1303 1304 1318 1407 1408 1410	Wire Jumper. Ignal Board Small Signal Board Small Signal Board Small Signal Board To Rom, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz Fine, F315MA, 32V. Crystal, 12MHz Fine Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. 8 Spilter, 4.5MHz Filter, 4.5MHz Filter, 4.5MHz Filter, 4.5MHz Filter, 4.5MHz	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 17104 2422 540 94534	2365 2366 2367 2368 2370 2371 2372 2373 2374 2375 2376 2377 2378 2384 2395 2396 2397 2401 2410 2411 2412 2413	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3200 3198 017 32230 3198 017 32230 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601 1001 S 1003 1301 1303 1304 1318 1407 1408 1410 1651	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. Crystal, 3.579545MHz Filter, 4.5MHz SAW Filter, 4.5MHz SAW Filter, 4.5MHz Crystal, 18.432MHz	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 17104 2422 543 00861 2422 543 00861 2422 549 44043 2422 549 44534 2422 549 44534 2422 549 389019	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2396 2397 2401 2410 2411 2412 2413 2418	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S CBA 0302 0601 1001 1303 1304 1318 1407 1408 1410 1651 1680	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. Crystal, 3.579545MHz Filter, 4.5MHz SAW Filter, 45.75MHz Filter, 4.5MHz Crystal, 18.432MHz 6 Pin Board Connector.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 17104 2422 543 0861 2422 543 0861 2422 549 44043 2422 549 44534 2422 549 44534 2422 549 44534 2422 543 89019 2422 025 16961	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2395 2396 2397 2401 2410 2411 2412 2413 2418 2420	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S. CBA 0302 0601 1001 S 1003 1301 1303 1304 1318 1407 1408 1410 1651	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. Crystal, 3.579545MHz Filter, 4.5MHz SAW Filter, 4.5MHz SAW Filter, 4.5MHz Crystal, 18.432MHz	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 17104 2422 543 0861 2422 543 0861 2422 549 44043 2422 549 44534 2422 549 44534 2422 549 44534 2422 543 89019 2422 025 16961	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2396 2397 2401 2410 2411 2412 2413 2418	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040
9990 9991 9992 9993 9996 9997 9998 Small S CBA 0302 0601 1001 1303 1304 1318 1407 1408 1410 1651 1680	Wire Jumper. Ignal Board Small Signal Board Small Signal Board 2 Pin Board Connector. IC, ROM, SAA5677 Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector. 7 Pin Board Connector. 7 Pin Board Connector. Crystal, 3.579545MHz Filter, 4.5MHz SAW Filter, 45.75MHz Filter, 4.5MHz Crystal, 18.432MHz 6 Pin Board Connector.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3104 328 17762 2422 025 16542 3104 317 04431 2422 543 89018 2422 086 11013 2422 540 98456 2422 025 16966 2422 025 17104 2422 543 00861 2422 549 44043 2422 549 44043 2422 549 44043 2422 549 44534 2422 549 44534 2422 549 89019 2422 025 16961 2422 543 89019	2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2395 2396 2397 2401 2410 2411 2412 2413 2418 2420	Cap, 100n, 10%, 16v, Ceramic	3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31050 3198 017 31050 3198 017 32230 3198 017 32230 3198 017 31040

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Cap, 18p, 5%, 50v, Ceramic . . . . .
                                                                               2747
                                                                                                                                     3198 016 31890
                                                                               2748
                                                                                       Cap, 18p, 5%, 50v, Ceramic . . . . .
2503
                                                                               2755
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                     3198 017 31040
2504
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                               2756
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                     3198 017 31040
2505
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                               2758
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                     3198 017 31040
2506
             330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                               2759
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                     3198 017 31040
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                     3198 017 31040
2507
                                                                               2760
       Cap, 100u, 20%, 16v, Electrolytic. . . 3198 030 41010
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                               2761
                                                                                                                                     3198 017 31040
2508
        Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090
                                                                               2762
                                                                                                                                     3198 017 31040
2510
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
        Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090
                                                                               2763
                                                                                                                                     3198 017 31040
2511
        Cap, 470n, +80/-20%, 10v, Ceramic. . . 3198 017 44740
2512
                                                                               2764
                                                                                                                                     3198 017 31040
2550
        Cap, 330p, 10%, 50v, Ceramic . . . . . 3198 017 33310
                                                                               2765
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                     3198 017 31040
                                                     3198 017 34710
                                                                                                                                     3198 017 31040
        Cap, 470p, 10%, 50v, Ceramic . . . .
                                                                               2766
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
        Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
                                                                               2767
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
2553
                                                                                                                                     3198 017 31040
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2554
        Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                               2770
                                                                                                                                     3198 017 31040
       Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 1n, 5%, 25v, Ceramic . . . . . 3198 016 31020
2555
                                                                               2771
                                                                                                                                     3198 017 31040
2562
                                                                               2772
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                     3198 017 31040
                                                                               2773
2563
        Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                                       Cap, 1n, 5%, 25v, Ceramic. . . . . .
                                                                                                                                     3198 016 31020

      Cap, ln, 5%, 25v, Ceramic.
      3198 016 31020

                                                                               2774
2564
                                                                                                                                     3198 017 31040
                                                                               2776
                                                                                                                                     3198 017 31040
2565
                                                                               2785
                                                                                                                                     3198 017 31040
2566
       Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2567
                                                     3198 016 31020
                                                                               2786
                                                                                                                                     3198 017 31040
2568
                                                     3198 016 31020
                                                                               2788
                                                                                                                                     3198 017 31040
        Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
2569
                                                                               2790
                                                                                                                                     3198 017 31040
       2570
                                                                               2792
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                     3198 017 31040
2571
                                                                               2795
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                     3198 017 31040
       Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 680p, 5%, 25v, Ceramic . . . . .
2574
                                                                               2796
                                                                                                                                     3198 017 31040
2575
                                                                               2798
                                                                                                                                     3198 016 36810
        Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
2576
                                                                               2799
                                                                                       Cap, 10u, 20%, 16v, Electrolytic . . .
                                                                                                                                     2020 021 91556
2577
                                                                               2908
        Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                     3198 017 31040
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . .
2578
                                                                                                                                     3198 017 31040
       Cap, ln, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                               2909

      Cap, 1n, 5%, 25v, Ceramic
      3198 016 31020

      Cap, 100n, 10%, 16v, Ceramic
      3198 016 31020

      Cap, 100n, 10%, 16v, Ceramic
      3198 017 31040

      Cap, 100n, 10%, 16v, Ceramic
      3198 017 31040

      Cap, 1n, 5%, 25v, Ceramic
      3198 016 31020

2579
                                                                               2910
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                     3198 017 31040
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                     3198 017 31040
2584
                                                                               2911
2585
                                                                               2912
                                                                                       Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                     3198 017 31040
                                                                                       Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                               3001
                                                                                                                                     3198 021 34720
2591
        Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090
                                                                                       Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 34720
                                                                               3002
       Cap, 10u, 20%, 16v, Electrolytic . 3198 030 41090 Cap, 1n, 5%, 25v, Ceramic . . . 3198 016 31020 Cap, 1n, 5%, 25v, Ceramic . . . 3198 016 31020 Cap, 1n, 5%, 25v, Ceramic . . . 3198 016 31020 Cap, 1n, 5%, 25v, Ceramic . . . 3198 016 31020 Cap, 2n2, 10%, 50v, Ceramic . . . 3198 016 31020 Cap, 2n2, 10%, 50v, Ceramic . . . 3198 017 32220 Cap, 1n, 5%, 25v, Ceramic . . . 3198 016 31020 Cap, 1n, 5%, 25v, Ceramic . . . 3198 016 31020 Cap, 220n, +80/-20%, 16v, Ceramic . . 3198 017 42240 Cap, 330n, +80/-20%, 25v, Ceramic . . 2222 910 19856
2593
                                                                                       Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
                                                                               3003
2594
                                                                               3004
                                                                                       Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2595
                                                                               3005
                                                                                       Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2609
                                                                               3006
                                                                                       Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                       Res, 1K5, 5%, 1/16W, Metalized Glass .
2610
                                                                               3007
                                                                                                                                     3198 021 31520
                                                                                       Res, 10K, 5%, 1/16W, Metalized Glass .
2611
                                                                               3008
                                                                                                                                     3198 021 31030
                                                                               3009
                                                                                       Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 34730
2634
2640
                                                                               3010
                                                                                       Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 34730
                                                                               3011
                                                                                       Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 31030
        Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                               3012
                                                                                       Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 32220
2645
        Cap,
             330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                               3013
                                                                                       Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 31030
2646
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                               3014
                                                                                       Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
2649
             330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                               3015
                                                                                       Res, 470K, 5%, 1/16W, Metalized Glass. 3198 021 34740
        Cap,
2651
        Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                               3016
                                                                                       Res, 1K, 5%, 1/16W, Metalized Glass. .
                                                                                                                                     3198 021 31020
       Res, 4\text{K7}, 5%, 1/16\text{W}, Metalized Glass .
2652
                                                                               3017
                                                                                                                                     3198 021 34720
                                                                                       Res, 24K, 1%, 1/16W, Metalized Glass . 2322 704 62403
Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2653
                                                                               3018
2654
                                                                               3019
                                                                                       Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
       Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
2659
                                                                               3021
       Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
Cap, 470p, 10%, 50v, Ceramic . . . 3198 017 34710
Cap, 330n, +80/-20%, 25v, Ceramic . . 2222 910 19856
                                                                                       Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2660
                                                                               3026
2661
                                                                               3027
                                                                                       Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
                                                                               3028
       Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
                                                                                       Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2663
                                                                               3029
2664
                                                                               3030
                                                                                       Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
       Cap, 100u, 20%, 16v, Electrolytic. . . 3198 030 41010 Cap, 100u, 20%, 16v, Electrolytic. . . 3198 030 41010
2665
                                                                               3031
                                                                                       Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 34720
2666
                                                                               3032
                                                                                       Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
        Cap, 3p3, 8%, 50v, Ceramic . . . . . 3198 016 33380
2667
                                                                               3033
                                                                                       Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220

      Cap, 3p3, 8%, 50v, Ceramic
      3198 016 33380

      Cap, 100n, 10%, 16v, Ceramic
      3198 017 31040

      Cap, 1n, 5%, 25v, Ceramic
      3198 016 31020

      Cap, 1n, 5%, 25v, Ceramic
      3198 016 31020

2668
                                                                               3034
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2670
                                                                               3035
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2673
                                                                               3039
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2674
                                                                               3040
       2677
                                                                               3041
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2678
                                                                               3042
                                                                                       Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
2679
                                                                               3043
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2680
                                                                               3044
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
       2681
                                                                               3045
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2682
                                                                               3048
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2686
                                                                               3049
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2687
                                                                               3050
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
       2693
                                                                               3051
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                       Res, 6K8, 5%, 1/16W, Metalized Glass . 3198 021 36820
2694
                                                                               3052
                                                                                       Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 31030
2695
                                                                               3053
                                                                               3056
                                                                                       Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730
                                                                                       Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730
        Cap, 10u, 20%, 16v, Electrolytic . . .
                                                     2020 021 91556
                                                                               3057
2706
        Cap, 100u, 20%, 16v, Electrolytic. . .
                                                     2020 021 91555
                                                                                       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                               3058
2708
        Cap, 10u, 20%, 16v, Electrolytic . . .
                                                     2020 021 91556
                                                                               3059
                                                                                       Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
2709
        Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                     3198 017 31040
                                                                               3060
                                                                                       Res, 2K7, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 32720
2710
        Cap, 10u, 20%, 16v, Electrolytic . . .
                                                     2020 021 91556
                                                                               3061
                                                                                       Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
2712
        Cap, 10u, 20%, 16v, Electrolytic . . .
                                                     2020 021 91556
                                                                               3062
                                                                                       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
       Cap, 100n, 10%, 16v, Ceramic . . . . Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 56p, 5%, 50v, Ceramic . . . .
2713
                                                     3198 017 31040
                                                                               3063
                                                                                       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                     3198 017 31040
2728
                                                                               3064
                                                                                       Res. 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
2729
                                                     3198 016 35690
                                                                               3065
                                                                                       Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
       Cap, 22n, 10%, 25v, Ceramic. . . . . . Cap, 100p, 5%, 50v, Ceramic. . . . . .
                                                                                       Res, 1R5, 5%, 1/8W, Metalized Glass. .
2730
                                                     3198 017 32230
                                                                             s 3070
                                                                                                                                     2322 750 61508
2731
                                                     3198 016 31010
                                                                            S 3071
                                                                                       Res, 1R5, 5%, 1/8W, Metalized Glass. .
                                                                                                                                     2322 750 61508
       2733
                                                                               3074
                                                                                       Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                     3198 021 31030
                                                                            S 3300
                                                                                       Res, 3R9, 5%, 1/8W, Metalized Glass. .
                                                                                                                                     2322 750 63908
2738
        Cap, 22n, 10%, 25v, Ceramic. . . . . 3198 017 32230
                                                                              3301
                                                                                       Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
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Res, 1K8, 5%, 1/16W, Metalized Glass . 3198 021 31820
                                                                          3446
                                                                                 Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
       Res, 3R9, 5%, 1/8W, Metalized Glass. . 2322 750 63908
                                                                          3456
                                                                                  Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
3305
       Res, Zero ohm, "Chip" Jumper . . . .
                                               . 3198 021 90030
                                                                           3457
                                                                                  Res, 4K7, 5%, 1/16W, Metalized Glass.
                                                                                                                             3198 021 34720
       Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
3306
                                                                           3458
                                                                                  Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                             3198 021 34720
       Res, 18K, 5%, 1/16W, Metalized Glass . 3198 021 31830 Res, 680K, 5%, 1/16W, Metalized Glass . 3198 021 36840
3307
                                                                           3459
                                                                                  Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                                                                                             3198 021 32220
3308
                                                                          3460
                                                                                  Res, 3K3, 5%, 1/16W, Metalized Glass .
                                                                                                                             3198 021 33320
3310
       Res, 47K, 5%, 1/16W, Metalized Glass .
                                                  3198 021 34730
                                                                          3461
                                                                                  Res, 1K8, 5%, 1/16W, Metalized Glass .
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3311
       Res, 33K, 5%, 1/16W, Metalized Glass . 3198 021 33330
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                                                                                  Res, 1K2, 5%, 1/16W, Metalized Glass .
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                                                                                  Res, 18K, 5%, 1/16W, Metalized Glass .
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3312
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                                                                                  Res. 33K, 5%, 1/16W, Metalized Glass.
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                                                                                  Res, 10K, 5%, 1/16W, Metalized Glass .
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                                                                                                                             3198 021 31030
       Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
3315
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3316
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       Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
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3320
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3321
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       Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
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                                                                                  Res, 680K, 5%, 1/16W, Metalized Glass.
3322
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                                                                                  Res, 1M, 5%, 1/16W, Metalized Glass. .
3324
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                                                                                                                             3198 021 31050
                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3327
       Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
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       Res, 39K, 5%, 1/16W, Metalized Glass . 3198 021 33930
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                                                                                  Res, 8K2, 5%, 1/16W, Metalized Glass . 3198 021 38220
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3331
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3333
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                                                                                  Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
3335
       Res, 1K8, 5%, 1/16W, Metalized Glass . 3198 021 31820
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3336
       Res, 1K, 5%, 1/16W, Metalized Glass. .
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
       Res, 33K, 5%, 1/16W, Metalized Glass .
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       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3340
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3341
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3342
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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3343
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3344
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                                                  3198 021 32220
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3345
       Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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3346
       Res, 33K, 5%, 1/16W, Metalized Glass .
                                                  3198 021 33330
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3347
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3348
       Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
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       Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
3350
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       Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
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3353
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3354
       Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                  3198 021 32220
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3355
       Res, 33K, 5%, 1/16W, Metalized Glass . 3198 021 33330
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       Res, 1K8, 5%, 1/16W, Metalized Glass . 3198 021 31820 Res, 100K, 5%, 1/16W, Metalized Glass . 3198 021 31040
3358
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3359
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3360
       Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
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3362
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3363
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       Res, 68K, 5%, 1/16W, Metalized Glass . 3198 021 36830 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
3364
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3365
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                                                                                  Res, 82K, 5%, 1/16W, Metalized Glass .
       Res, 3K9, 5%, 1/16W, Metalized Glass . 3198 021 33920 Res, 3K9, 5%, 1/16W, Metalized Glass . 3198 021 33920
3366
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                                                                                                                             3198 021 38230
                                                                                  Res, 150K, 5%, 1/16W, Metalized Glass.
3367
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                                                                                                                             3198 021 31540
3370
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                           3666
                                                                                  Res, 150K, 5%, 1/16W, Metalized Glass. 3198 021 31540
       Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                                                                  Res, 56K, 5%, 1/16W, Metalized Glass .
3371
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                                                                                  Res, 82K, 5%, 1/16W, Metalized Glass .
3372
       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
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       Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040 Res, 33K, 5%, 1/16W, Metalized Glass. 3198 021 33330
3373
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                                                                                  Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
3374
                                                                           3670
                                                                                  Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
3375
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                          3671
                                                                                  Res, 680 ohm, 5%, 1/16W, Metalized Glas 3198 021 36810
3376
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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                                                                                  Res, 6K8, 5%, 1/16W, Metalized Glass . 3198 021 36820
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3377
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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       Res, 15K, 5%, 1/16W, Metalized Glass . 3198 021 31530
3378
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                                                                                  Res, 22K, 5%, 1/16W, Metalized Glass .
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3382
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3384
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3385
       Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
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3386
       Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
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       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3387
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                                                                                  Res, 22K, 5%, 1/16W, Metalized Glass .
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3388
       Res, 680 ohm, 5%, 1/16W, Metalized Glas 3198 021 36810
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       Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730 Res, 18K, 5%, 1/16W, Metalized Glass . 3198 021 31830
3389
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3390
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3391
       Res, 68K, 5%, 1/16W, Metalized Glass . 3198 021 36830
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                                                                                  Res, 22K, 5%, 1/16W, Metalized Glass .
                                                                                                                             3198 021 32230
3393
       Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
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                                                                                  Res, 680 ohm, 5%, 1/16W, Metalized Glas 3198 021 36810
       Res, 4\text{K7}, 5%, 1/16\text{W}, Metalized Glass .
3394
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                                                                                  Res, 22 ohm, 5%, 1/16W, Metalized Glass 3198 021 32290
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3395
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       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3396
3397
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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                                                                                  Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                  Res, 3K9, 5%, 1/16W, Metalized Glass . 3198 021 33920
3398
       Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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       Res, 4R7, 5%, 1/8W, Metalized Glass. . 2322 750 64708
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3400
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                                                                                  Res, Zero ohm, "Chip" Jumper . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
3401
       Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
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3402
       Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
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                                                                                  Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
3403
       Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90030
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3405
       Res, 1K, 5%, 1/16W, Metalized Glass. .
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                                                                                  Res, 22 ohm, 5%, 1/16W, Metalized Glass 3198 021 32290
                                                                                  Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
3415
       Res, 8K2, 5%, 1/16W, Metalized Glass . 3198 021 38220
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       Res, 6R8, 5%, 1/8W, Metalized Glass. . 2322 750 66808
                                                                          3717
3416
       Res, 390 ohm, 5%, 1/16W, Metalized Glas 3198 021 33910 Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                          3718
                                                                                  Res. 220 ohm. 5%, 1/16W. Metalized Glas 3198 021 32210
3418
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                                                                                  Res, 1M, 5%, 1/16W, Metalized Glass. . 3198 021 31050
3419
       Res, 1K, 5%, 1/16W, Metalized Glass. .
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3420
       Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
       Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
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                                                                                  Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
3437
       Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
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                                                                                  Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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Res, Zero ohm, "Chip" Jumper . . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
        Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                    4927
                                                                                                                                             3198 021 90030
        Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90030 Res, 1K, 5%, 1/16W, Metalized Glass . . 3198 021 31020
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3741
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                                                                                            Res, Zero ohm,
                                                                                                               "Chip" Jumper . . . . .
                                                                                                                                              3198 021 90030
                                                                                            Res, Zero ohm, "Chip" Jumper . . . . .
3744
        Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                    4935
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        Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
3745
                                                                                    4937
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3746
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3747
        Res, 68 ohm, 5%, 1/16W, Metalized Glass 3198 021 36890
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3748
        Res, 68 ohm, 5%, 1/16W, Metalized Glass 3198 021 36890
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3749
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        Res, 68 ohm, 5%, 1/16W, Metalized Glass 3198 021 36890
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        Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090 Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90030
3754
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3755
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        Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90030
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90030
3757
                                                                                    4948
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3759
                                                                                    4949
                                                                                                                                             3198 021 90030
        Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010 Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010
3790
                                                                                    4950
                                                                                                                                             3198 021 90030
3791
                                                                                    4951
                                                                                                                                             3198 021 90030
3792
        Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010
                                                                                    4952
                                                                                                                                             3198 021 90030
3793
        Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010
                                                                                    4953
                                                                                                                                             3198 021 90030
3794
        Resistor Network, 4 X 100 ohm, 5%...
                                                        3198 031 11010
                                                                                    4954
                                                                                                                                             3198 021 90030
3795
        Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010
                                                                                    5301
                                                                                                                                             3198 018 36880
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        Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                                                                             3198 018 36880
                                                                                    5302
3797
        Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                                                                             3198 021 90030
                                                                                    5303
        3900
                                                                                    5304
                                                                                                                                             3198 021 90030
3901
                                                         3198 018 90040
                                                                                    5305
                                                                                                                                             3198 021 90030
        Inductor, 100MHz, 600 ohm. . . . . . . 3198 018 90040
3902
                                                                                    5306
                                                                                                                                             3198 021 90030
                                                                                            3903
        Inductor, 100MHz, 600 ohm. . . . . . . 3198 018 90040
                                                                                    5307
                                                                                                                                             3198 021 90030
3904
        Inductor, 100MHz, 600 ohm. . . . . .
                                                        3198 018 90040
                                                                                    5308
                                                                                                                                             3198 021 90030
       Inductor, 100MHz, 600 ohm.

Res, Zero ohm, "Chip" Jumper

Res, Zero ohm, "Chip" Jumper

Res, Zero ohm, "Chip" Jumper

Res, Zero ohm, "Chip" Jumper
3905
                                                        3198 018 90040
                                                                                    5309
                                                                                                                                             3198 021 90030
3906
                                                        3198 018 90040
                                                                                    5401
                                                                                                                                             3198 018 33970
                                                                                            Coil, 390n
Coil, 15u.
Ferrite Bead, 100MHz
Variable Coil.
Ferrite Bead, 100MHz
Coil, 1u
Res, Zero ohm, "Chip" Jumper
3907
                                                        3198 018 90040
                                                                                    5406
                                                                                                                                             3198 018 31590
3908
                                                        3198 018 90040
                                                                                    5407
                                                                                                                                             2422 535 95427
3909
                                                        3198 018 90040
                                                                                                                                             2422 549 44875
                                                                                    5408
3910
                                                        3198 018 90040
                                                                                    5409
                                                                                                                                             2422 535 95427
3911
                                                        3198 018 90040
                                                                                    5410
                                                                                                                                             3198 018 51080
4302
                                                        3198 021 90030
                                                                                    5412
                                                                                                                                             3198 021 90030
4303
                                                        3198 021 90030
                                                                                    5413
                                                                                                                                             3198 021 90030
4304
                                                        3198 021 90030
                                                                                    5414
                                                                                                                                             3198 021 90030
        Res, Zero ohm, "Chip" Jumper . . . . .
4322
                                                        3198 021 90030
                                                                                    5651
                                                                                            Ferrite Bead, 100MHz . . . . . . . .
                                                                                                                                             2422 549 43769
                                                                                            Ferrite Bead, 100MHz
Ferrite Bead, 100MHz
Ferrite Bead, 100MHz
Inductor, 100MHz, 30 ohm
Coil, 6u8
Res, Zero ohm, "Chip" Jumper
Inductor, 100MHz, 30 ohm
Inductor, 100MHz, 30 ohm
Inductor, 100MHz, 600 ohm
Ferrite Bead 100MHz
Inductor
        4326
                                                        3198 021 90030
                                                                                    5652
                                                                                                                                             2422 549 43769
4369
                                                        3198 021 90030
                                                                                    5653
                                                                                                                                             2422 549 43769
4401
                                                        3198 021 90030
                                                                                    5654
                                                                                                                                             3198 018 90060
                                                        3198 021 90030
4406
                                                                                    5656
                                                                                                                                             3198 018 36880
                                                        3198 021 90030
4407
                                                                                    5663
                                                                                                                                             3198 021 90030
        3198 021 90030
                                                                                                                                             3198 018 90060
4409
                                                                                    5664
4520
                                                        3198 021 90030
                                                                                    5665
                                                                                                                                             3198 018 90060
                                                        3198 021 90030
4522
                                                                                    5701
                                                                                                                                             3198 018 90080
4603
        Res, Zero ohm, "Chip" Jumper . . . . .
                                                        3198 021 90030
                                                                                    5702
                                                                                             Ferrite Bead, 100MHz . . . . . . . . .
                                                                                                                                             2422 535 95427

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

4604
                                                                                    5703
                                                                                             Inductor, 100MHz, 30 ohm . . . . . . .
                                                                                                                                             3198 018 90060
                                                                                            4607
                                                                                    5705
                                                                                                                                             2422 535 95427
4608
                                                                                    5706
                                                                                                                                             3198 018 35680
4609
                                                                                    5707
                                                                                                                                             3198 018 90040
        Res, Zero ohm, "Chip" Jumper . . . .
4610
                                                        3198 021 90030
                                                                                    5711
                                                                                                                                             3198 018 90040
       5713
                                                                                                                                             3198 018 90040
4611
                                                                                    5718
                                                                                                                                             3198 018 33370
4613
                                                                                    5720
                                                                                                                                             3198 018 90040
4632
                                                                                    5798
                                                                                                                                             3198 018 90060
4633
                                                                                    5799
4642
                                                                                                                                             3198 018 90060
                          "Chip" Jumper . . . . . "Chip" Jumper . . . . .
                                                                                            Res, Zero ohm,
                                                        3198 021 90030
                                                                                    5900
                                                                                                                                             3198 018 90060
4645
                                                        3198 021 90030
                                                                                    5901
4652
        Res, Zero ohm,
                                                                                                                                             3198 018 90060
        Res, Zero ohm, "Chip" Jumper . . . . .
                                                                                            Inductor, 100MHz, 30 ohm . . . . . . Inductor, 100MHz, 30 ohm . . . . . . Inductor, 100MHz, 30 ohm . . . . . .
4682
                                                        3198 021 90030
                                                                                    5902
                                                                                                                                             3198 018 90060
        4683
                                                                                    5903
                                                                                                                                             3198 018 90060
                                                                                            Inductor, 100MHz, 30 ohm
Diode, BAS316.
Zener Diode, 47 volt
Diode, MCL4148
Zener Diode, 5.6 volt.
Diode, MCL4148
Zener Diode, 6.8 volt.
Diode, MCL4148
Zener Diode, 6.8 volt.
Zener Diode, 6.8 volt
Diode, MCL4148
Zener Diode, 22 volt
Diode, MCL4148
4684
                                                                                    5904
                                                                                                                                             3198 018 90060
4685
                                                                                    6003
                                                                                                                                             3198 010 10630
4686
                                                                                    6303
                                                                                                                                             9322 150 18685
        4687
                                                        3198 021 90030
                                                                                    6304
                                                                                                                                             9322 128 15685
                                                        3198 021 90030
                                                                                    6306
                                                                                                                                             3198 020 55680
4688
4689
                                                        3198 021 90030
                                                                                    6307
                                                                                                                                             9340 453 90115
                          "Chip" Jumper . . . . . "Chip" Jumper . . . . .
4712
        Res, Zero ohm,
                                                        3198 021 90030
                                                                                    6309
                                                                                                                                             9322 128 15685
4713
        Res, Zero ohm,
                                                        3198 021 90030
                                                                                    6310
                                                                                                                                             3198 020 56880
       4714
                                                                                    6311
                                                                                                                                             3198 020 52290
4715
                                                                                    6312
                                                                                                                                             9322 128 15685
4716
                                                                                    6313
                                                                                                                                             3198 020 52290
4717
                                                                                    6314
                                                                                                                                             9322 128 15685
4723
                                                                                    6315
                                                                                                                                             9322 128 15685
4724
                                                                                    6316
                                                                                                                                             9322 128 15685
4726
                                                                                    6317
                                                                                                                                             9322 128 15685
        Diode, MCL4148 . . . . . . . . . . . . . . . . . .
                                                        3198 021 90030
4732
                                                                                    6319
                                                                                                                                             9322 128 15685
                                                                                            4734
                                                        3198 021 90030
                                                                                    6652
                                                                                                                                             3198 020 51090
                                                        3198 021 90030
4792
                                                                                    6654
                                                                                                                                             3198 010 10630
                          "Chip" Jumper . . . . .
4793
        Res, Zero ohm,
                                                        3198 021 90030
                                                                                    6657
                                                                                                                                             9340 548 43115

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

                                                                                            4901
                                                                                                                                             3198 010 10630
                                                                                    6658
                                                                                            IC, SAA5677/HL/M1.........
Transistor, PNP, BC857B(COL).....
Transistor, NPN, BC847BW(COL).....
4902
                                                                                    7001
                                                                                                                                             9352 692 99557
4903
                                                                                    7002
                                                                                                                                             3198 010 42150
4904
                                                                                    7003
                                                                                                                                             3198 010 42310
        Res, Zero ohm, "Chip" Jumper . . . . .
4905
                                                        3198 021 90030
                                                                                    7004
                                                                                            Transistor, NPN, BC847BW(COL). . . . .
                                                                                                                                             3198 010 42310
       4906
                                                        3198 021 90030
                                                                                    7005
                                                                                                                                             9322 116 74668
4907
                                                        3198 021 90030
                                                                                    7006
                                                                                                                                             3198 010 43360
4908
                                                         3198 021 90030
                                                                                    7007
                                                                                                                                             3198 010 43360
                          4909
                                                        3198 021 90030
                                                                                    7009
                                                                                                                                             9322 116 74668
        Res, Zero ohm,
4919
        Res, Zero ohm,
                                                        3198 021 90030
                                                                                    7012
                                                                                             IC, M24C32 . . . .
                                                                                                                                             9322 124 74668
        4920
                                                        3198 021 90030
                                                                                    7013
                                                        3198 021 90030
                                                                                    7301
4921
        Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90030
                                                                                   7303
```

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Transistor, NPN, PDTC144EU . . . . . . . 3198 010 44330 Transistor, NPN, BC847BW(COL) . . . . . . 3198 010 42310 Transistor, NPN, BC847BW(COL) . . . . . . 3198 010 42310
                                                                                         Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                       3198 017 31040
                                                                                 2048
                                                                                         Cap, 47u, 20%, 16v, Electrolytic . . .
  7306
                                                                                 2051
                                                                                         Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                       3198 032 55130
  7308
          Transistor, NPN, PDTC144EU . . . . . . 3198 010 44330
                                                                                 2052
                                                                                         Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                       3198 017 31040
  7309
          Transistor, NPN, PDTC144EU . . . . . . 3198 010 44330
                                                                                 2053
                                                                                         Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                       3198 032 55130
  7310
          Transistor, NPN, PDTC144EU . . . . . . 3198 010 44330
                                                                                 2054
                                                                                         Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                       3198 032 55130
  7311
                                                                                         Cap, 10u, 20%, 20v, Electrolytic . . .
          Transistor, NPN, BC847BW(COL).... 3198 010 42310
                                                                                 2055
                                                                                                                                       3198 032 55130
         Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310 Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360
                                                                                         Cap, 10u, 20%, 20v, Electrolytic . . .
  7312
                                                                                 2056
                                                                                                                                       3198 032 55130
                                                                                         Cap, 150p, 5%, 50v, Ceramic. . . . .
  7313
                                                                                                                                       3198 016 31510
                                                                                 2057
         Transistor, NPN, BC847BW(COL). . . . 3198 010 42310
Transistor, NPN, PMBT2369(UAW) . . . 3198 010 43360
                                                                                         Cap, 22p, 5%, 50v, Ceramic . . . . .
  7314
                                                                                                                                       3198 016 32290
                                                                                 2059
                                                                                         Cap, 22p, 5%, 50v, Ceramic . . . . .
  7315
                                                                                                                                       3198 016 32290
                                                                                 2061
          7318
                                                                                 2062
                                                                                         Cap, 150p, 5%, 50v, Ceramic. . . . .
                                                                                                                                       3198 016 31510
                                                                                         Cap, 22p, 5%, 50v, Ceramic . . . . .
  7320
                                                                                 2063
                                                                                                                                       3198 016 32290
          Transistor, NPN, BC847BW(COL).... 3198 010 42310
                                                                                         Cap, 100n, 10%, 16v, Ceramic . . . .
  7322
                                                                                 2064
                                                                                                                                       3198 017 31040
         IC, TDA9321H/N2. . . . . . . . . 9352 625 24518
Transistor, NPN, BC847CW . . . . . 9340 217 80115
  7323
                                                                                         Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                 2065
  7324
                                                                                 2066
                                                                                         Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  7375
          Transistor, NPN, BC847BW(COL).... 3198 010 42310
                                                                                 2067
                                                                                         Cap, 22p, 5%, 50v, Ceramic . . . . . . 3198 016 32290
  7410
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
                                                                                 2068
                                                                                         Cap, 22p, 5%, 50v, Ceramic . . . . . 3198 016 32290
         7411
                                                                                 2069
  7413
                                                                                 2070
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7651
                                                                                 3000
         Transistor, NPN, BC847BPN. . . . . 9340 425 30115
Transistor, NPN, BC847BPN. . . . . 9340 425 30115
                                                                                         Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  7664
                                                                                 3001
  7665
                                                                                 3002
                                                                                         Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          Transistor, NPN, BC857BW(COL). . . . . 3198 010 42320
                                                                                 3003
                                                                                         Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7675
          Transistor, NPN, BC847BS . . . . . . . 9340 425 20115
                                                                                 3004
                                                                                         Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                           . . . . . 9340 425 20115
  7678
          Transistor, NPN, BC847BS .
                                                                                 3005
                                                                                         Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
         Transistor, NPN, BC857BW(COL). . . . 3198 010 42320 Transistor, NPN, BC847BW(COL). . . . 3198 010 42310
  7701
                                                                                 3006
                                                                                         Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7702
                                                                                 3007
                                                                                         Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          Transistor, NPN, PMBT2369(UAW) . . . .
  7704
                                                       3198 010 43360
                                                                                 3008
                                                                                         Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          IC, SAA4990H . . . . . . . . . . . . . . . 9352 067 50557
  7708
                                                                                 3009
                                                                                         Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310

      IC, SAA4990H
      9352 007 30337

      IC, SAA4978H/V204
      9352 688 09557

      IC, MSM54V12222B-25JS
      9322 183 81668

      IC, MSM54V12222B-25JS
      9322 183 81668

      32 Pin IC Socket
      2422 486 80938

      IC, M87C257-90C1
      9322 130 45668

      3104 317 03241

  7709
                                                                                 3010
                                                                                         Res. 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
  7714
                                                                                         Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
                                                                                 3011
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7715
                                                                                 3012
                                                                                 3013
                                                                                         Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7716
                                                                                 3014
  7717
          IC, ROM, M87C257 . . . . . . . . . . . . . . . . 3104 317 03241
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                 3015
          Software Package, FBX PICNIC . . . . 3104 317 43241 Cable, 2 Pin, 180mm. . . . . . . . . . . . . . 3104 311 03031
  7799
                                                                                         Res, 33 ohm, 5%, 1/16W, Metalized Glass 3198 021 33390
                                                                                 3016
  8302
                                                                                 3017
                                                                                         Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
         8303
                                                                                 3018
                                                                                         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  8304
                                                                                 3019
                                                                                         Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                                                                         Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  8680
                                                                                 3020
                                                                                         Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                 3021
                                                                                         Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
3D Comb Filter
                                                                                 3022
         3D Comb Filter
                                                                                 3023
                                                                                         Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
         CBA
                                                                                 3024
                                                                                         Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  1001
                                                                                 3025
                                                                                         Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
  1104
                                                                                 3026
                                                                                         Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
                                                                                 3027
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
          6 Pin Board Connector. . . . . . . . . 2422 025 10428
         3028
                                                                                         Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
  1951
  2000
                                                                                 3029
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2001
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                 3030
                                                                                         Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
         Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230 Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230
  2002
                                                                                 3031
                                                                                 3032
  2003
                                                                                         Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
                                                                                 3033
  2004
                                                                                         Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
  2005
                                                                                 3034
                                                                                 3035
                                                                                         Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
  2006
                                                                                         Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
                                                                                 3036
  2008
         Cap, 1u, 20%, 50v, Electrolytic. . . 3198 030 81080 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                         Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2009
                                                                                 3037
  2010
                                                                                 3038
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
         Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                 3039
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2011
  2012
                                                                                 3040
                                                                                         Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
         Cap, 10n, 10%, 50v, Ceramic . . . . 3198 017 31030 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  2013
                                                                                 3041
                                                                                         Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
  2014
                                                                                 3042
                                                                                         Res, 3K3, 1%, 1/16W, Metalized Glass . 2322 704 73302 Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 31520
  2015
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                 3043
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31020
Res, 220 ohm, 5%, 1/16W, Metalized Glass 3198 021 32210
          Cap, 10n, 10%, 50v, Ceramic. . . . . 3198 017 31030
                                                                                 3044
  2016
                                                                                 3055
  2017
          Cap, 150p, 5%, 50v, Ceramic. . . . . 3198 016 31510
                                                                                         Res, 1K, 5%, 1/16W, Metalized Glass . 3198 021 31020
Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
Res, 220K, 5%, 1/16W, Metalized Glass . 3198 021 32240
Res, 27K, 5%, 1/16W, Metalized Glass . 3198 021 32730
         Cap, 150p, 5%, 50v, Ceramic . . . . 3198 016 31510 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  2018
                                                                                 3056
                                                                                 3057
  2019
  2020
                                                                                 3058
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                 3059
          Cap, 22p, 5%, 50v, Ceramic . . . . . 3198 016 32290
                                                                                 3060
                                                                                         Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2022
          Cap, 22p, 5%, 50v, Ceramic . . . . . . 3198 016 32290
                                                                                 3061
                                                                                         Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
  2023
  2024
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                 3065
                                                                                         Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
                                                                                         Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790 Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  2026
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                 3067
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                 3068
  2027
                                                                                         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
Res, 1K5, 5%, 1/16W, Metalized Glass. 3198 021 31520
Res, 2K7, 5%, 1/16W, Metalized Glass. 3198 021 32720
         Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                 3069
  2028
                                                                                 3071
  2029
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
         Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                 3072
  2030
                                                                                         Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  2031
                                                                                 3073
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                         Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  2032
                                                                                 3074
                                                                                 3076
                                                                                         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                 3077
                                                                                         Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
  2034
  2035
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                 3082
                                                                                         Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                                                                         Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  2036
          Cap, 1u, 20%, 50v, Electrolytic. . . . 3198 030 81080
                                                                                 3083
  2037
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                 3085
                                                                                         Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                       3198 017 31040
                                                                                 3088
                                                                                         Res. 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
  2041
          Cap, 100n, 10%, 16v, Ceramic . . . . .
         Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 47u, 20%, 16v, Electrolytic . . .
  2042
                                                       3198 017 31040
                                                                                 3089
                                                                                         Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
                                                                                         Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2043
                                                       3198 030 44790
                                                                                 3091
         3095
                                                                                         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
  2044
  2045
                                                                                 3096
                                                                                         Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                         Res, 1K8, 5%, 1/16W, Metalized Glass . 3198 021 31820
Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
                                                                                 3097
  2046
                                                                                 3098
```

_	(1111)					
3099	Res, 470 ohm, 5%, 1/16W, Metalized Glas	2100 021	2/710	6293	Zener Diode, 12 volt	3198 020 51290
3100	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021		6294	Zener Diode, 12 volt	
3101	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021	31020	6296	Zener Diode, 12 volt	3198 020 51290
3102	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021	31010	6297	Zener Diode, 12 volt	3198 020 51290
S 3103	Res, PTC, Overload Protection			9231	Wire Jumper	
S 3104	Res, PTC, Overload Protection	2122 662		9232	Wire Jumper	
				9232	wire dumper	3196 036 90010
3105	Res, 560 ohm, 5%, 1/16W, Metalized Glas					
5000	Coil, 100MHz, 120 ohm	3198 018	90070	Top Cont	trol Panel	
5001	Coil, 100MHz, 120 ohm	3198 018	90070		Top Control Panel	
5003	Filter, 14.3MHz	2422 549		CBA		3139 178 60461
5004	Filter, 14.3MHz			0215	3 Pin Board Connector	
5005	Coil, 10u	3198 018	41090	1091	Switch	2422 128 02742
5006	Filter, 14.3MHz	2422 549	44785	1092	Switch	2422 128 02742
5007	Coil, 10u			1093		
	·				Switch	
5008	Coil, 22u	3198 018	72290	1094	Switch	2422 128 02742
5009	Coil, 22u	3198 018	72290	3088	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5010	Coil, 15u			3089	Res, Zero ohm, "Chip" Jumper	
5011	Coil, 100MHz, 120 ohm			3091	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
5012	Coil, 100MHz, 120 ohm	3198 018	90070	3092	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
5013	Coil, 100MHz, 120 ohm	3198 018	90070	3093	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
5014	Inductor, 100MHz, 30 ohm	3198 018		3094	Res, 270 ohm, 5%, 1/16W, Metalized Glas	
5015	Inductor, 100MHz, 30 ohm	3198 018		3095	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
5017	Coil, 100MHz, 120 ohm	3198 018	90070	3096	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
5019	Coil, 10u	3198 018	41090	4092	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5020	Coil, 10u	3198 018			Diode, BAT254	
				6092	DIOGE, BA1254	9340 393 00115
5021	Coil, 100MHz, 120 ohm	3198 018	90070			
5022	Coil, 100MHz, 120 ohm	3198 018	90070	Top Cont	trol Panel	
5024	Coil, 100MHz, 120 ohm	3198 018	90070	-	Top Control Panel	
		3198 018			TOP CONCIOI PANEI	
5025	Coil, 100MHz, 120 ohm					
5027	Coil, 100MHz, 120 ohm	3198 018	90070	DC Shift	t Panel	
5028	Coil, 100MHz, 120 ohm	3198 018	90070		DC Shift Panel	
5029	Coil, 100MHz, 120 ohm	3198 018		an.		2104 200 10141
				CBA		
5030	Coil, 100MHz, 120 ohm	3198 018	90070	0317	2 Pin Board Connector	4822 265 20723
6000	Diode, BAV99	3198 010	10620	0318	2 Pin Board Connector	4822 265 20723
6001	Diode, BAV99	3198 010	10620	S 1430	Fuse, 400MA, 65V	
6002						
	Diode, BAV99			2430	Cap, 470p, 10%, 500V, Ceramic	4822 122 31177
6003	LED, TLMH3100	9322 072	71685	2431	Cap, 470p, 10%, 500V, Ceramic	4822 122 31177
6004	Diode, Rect, SM S1D	9322 128	69685	5430	DC Shift Coil	
6005	Diode, Rect, SM S1D					
				6432	Diode, Rect, BYD33V	
6006	Diode, 1PS76SB10			6433	Diode, Rect, BYD33V	9340 317 00133
6007	Diode, BAS17	9335 262	30215			
7000	Transistor, NPN, BC847B	9335 895	90215	DAF Pane	1 ا	
7001	Transistor, PNP, BC857B	9335 897		Din Tun		
7002		9338 144			DAF Panel	
	Transistor, NPN, BF570			CBA	DAF Panel	3104 328 20672
7003	Transistor, PNP, BC857B	9335 897	60215	1417	2 Pin Board Connector	2422 025 16269
7004	Transistor, NPN, BC847B	9335 895	90215	1418		
7005	Transistor, PNP, BC857B	9335 897	60215			
				1419	2 Pin Board Connector	
7006	Transistor, NPN, BF570	9338 144		1492	3 Pin Board Connector	2422 025 16382
7007	Transistor, PNP, BC857B	9335 897	60215	1497	Contact Pin	2422 015 18552
7008	Transistor, NPN, BC847B	9335 895	90215	1693	Contact Pin	2422 034 20021
7009	Transistor, PNP, BC857B	9335 897				
				2800	Cap, 330p, 5%, 2000v, Polypropylene	2222 375 90495
7010	Transistor, NPN, BC847B			2809	Cap, 100u, 20%, 25v, Electrolytic	3198 025 31010
7011	Transistor, NPN, BC847B	9335 895	90215	2812	Cap, 10n, 5%, 2000v, Polypropylene	2222 375 90175
7012	Transistor, PNP, BF550	9334 509	00215	2813	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
7015	Transistor, NPN, BC847B	9335 895	90215			
				2814		2222 375 90225
7016	Transistor, PNP, BC857B			2818	Cap, 10n, 10%, 50v, Ceramic	3198 017 01030
7017	Transistor, NPN, BC847B	9335 895	90215	2820	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
7019	IC, LM809M3X	9322 163	48668	2821	Cap, 68n, 5%, 400v, Metalized Polypropy	
7020	Transistor, NPN, BC847B	9335 895		2021		0000 450 00166
					lene	2222 479 90166
7021	IC, LD1117DT33	9322 134		2822	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
7022	IC, LD1117DT25	9322 160	50668	2823	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
7023	IC, UPD64083GF	9322 170	65671	2824	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	.,					
012	/ Dame]			2825	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
Side A/V				2890	Cap, 390p, 5%, 2000v, Polypropylene	2222 375 90188
	Side A/V Panel			2892	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
CBA	Side A/V Panel	3139 137	26291	S 3807	Res, 15 ohm, 5%, 1/3W, Metal Film	2306 204 03159
0240	11 Pin Board Connector	2422 025				
	Headphone Jack	2422 025		S 3808	Res, 15 ohm, 5%, 1/3W, Metal Film	2306 204 03159
1254	-			S 3809	Res, 10 ohm, 5%, 1/3W, Metal Film	2306 204 03109
1255	3 Pin Cinch Jack	2422 026	U4815	3810	Res, 470K, 5%, 1/2W, Metalized Glass .	2322 242 13474
1256	SVHS Jack	2422 026	04926	3811	Res, 4M7, 5%, 1/4W, Metalized Glass	2322 241 53475
2286	Cap, 150p, 10%, 50v, Ceramic	3198 019				
				3812	Res, 27K, 5%, 1/6W, Carbon Film	3198 011 02730
2288	Cap, 150p, 10%, 50v, Ceramic	3198 019		3813	Res, 470K, 5%, 1/6W, Carbon Film	3198 011 04740
2292		2100 010	14710	3814	Res, 100K, 5%, 1/4W, Metalized Glass .	
2294	Cap, 470p, 10%, 50v, Ceramic	3190 019			Res, 100K, 3%, 1/4W, Metalized Glass .	2322 241 53104
2296	Cap, 470p, 10%, 50v, Ceramic	3198 019	14710			
	Cap, 470p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic	3198 019		3815	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	Cap, 470p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 3198 019	24720	3815 3816	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film	3198 011 01020 3198 011 06820
2297	Cap, 470p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic Cap, 4n7, +80/-20%, 50v, Ceramic Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 3198 019 3198 019	24720 24720	3815	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3285	Cap, 470p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 3198 019	24720 24720	3815 3816	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film	3198 011 01020 3198 011 06820
3285	Cap, 470p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic Cap, 4n7, +80/-20%, 50v, Ceramic Cap, 4n7, +80/-20%, 50v, Ceramic Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 019 3198 019 3198 019 3198 011	24720 24720 07590	3815 3816 3818 3819	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass Res, 1K, 5%, 1/10W, Metalized Glass	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020
3285 3286	Cap, 470p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011	24720 24720 07590 01090	3815 3816 3818 3819 3820	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320
3285 3286 3287	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011	24720 24720 07590 01090 07590	3815 3816 3818 3819 3820 3821	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320 3198 021 54730
3285 3286 3287 3288	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011	24720 24720 07590 01090 07590 01090	3815 3816 3818 3819 3820	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320
3285 3286 3287	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011	24720 24720 07590 01090 07590 01090	3815 3816 3818 3819 3820 3821 3822	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720
3285 3286 3287 3288 3289	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011	24720 24720 07590 01090 07590 01090 01820	3815 3816 3818 3819 3820 3821 3822 3823	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 51820
3285 3286 3287 3288 3289 3291	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011	24720 24720 07590 01090 07590 01090 01820 01020	3815 3816 3818 3819 3820 3821 3822 3823 3824	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720
3285 3286 3287 3288 3289 3291 3292	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720
3285 3286 3287 3288 3289 3291 3292 3293	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020	3815 3816 3818 3819 3820 3821 3822 3823 3824	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720
3285 3286 3287 3288 3289 3291 3292	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 5420 3198 021 51230 3198 021 55620
3285 3286 3287 3288 3289 3291 3292 3293	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020 54730	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827 3830	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 51230 3198 021 55620 3198 021 54730
3285 3286 3287 3288 3289 3291 3292 3293 3294 3295	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 013 3198 011 3198 011	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020 54730 03920	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827 3830 3831	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 54730 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 51230 3198 021 55620 3198 021 54730 3198 021 54730 3198 021 54720
3285 3286 3287 3288 3289 3291 3292 3293 3294 3295 3296	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 021 3198 021 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020 54730 03920 51030	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827 3830 3831 3832	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 51230 3198 021 51230 3198 021 55620 3198 021 54730 3198 021 54730 3198 021 54730 3198 021 54720 3198 021 54730
3285 3286 3287 3288 3289 3291 3292 3293 3294 3295 3296 3297	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 021 3198 021 3198 021 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020 54730 03920 51030	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827 3830 3831 3832 3833	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 55620 3198 021 54730 3198 021 54730 3198 021 54730 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720
3285 3286 3287 3288 3289 3291 3292 3293 3294 3295 3296 3297 4241	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 021 3198 021 3198 021 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020 54730 03920 51030 90020	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827 3830 3831 3832	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 47K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass .	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 51230 3198 021 51230 3198 021 55620 3198 021 54730 3198 021 54730 3198 021 54730 3198 021 54720 3198 021 54730
3285 3286 3287 3288 3289 3291 3292 3293 3294 3295 3296 3297	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 021 3198 021 3198 021 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020 54730 03920 51030 90020	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827 3830 3831 3832 3833	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . VDR, 1100V	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 55620 3198 021 54730 3198 021 54730 3198 021 54730 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720
3285 3286 3287 3288 3289 3291 3292 3293 3294 3295 3296 3297 4241	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 021 3198 021 3198 021 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020 54730 03920 51030 51030 90020	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827 3830 3831 3832 3833 3838 3839 8 3899	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 3K3, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . VDR, 1100V	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 53320 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 55620 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3232 592 14217
3285 3286 3287 3288 3299 3291 3292 3293 3294 3295 3296 3297 4241 4243	Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019 3198 019 3198 011 3198 011 3198 011 3198 011 3198 011 3198 021 3198 021 3198 021 3198 021 3198 021 3198 021 3198 021	24720 24720 07590 01090 07590 01090 01820 01020 54730 01020 54730 03920 51030 51030 90020 90020 90020 51290	3815 3816 3818 3819 3820 3821 3822 3823 3824 3826 3827 3830 3831 3832 3833 S 3898	Res, 1K, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 6K8, 5%, 1/6W, Carbon Film Res, 1K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 12K, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 5K6, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 1K8, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass . VDR, 1100V	3198 011 01020 3198 011 06820 3198 021 51020 3198 021 51020 3198 021 54730 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 55620 3198 021 54730 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720 3198 021 54720

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Transformer, Self Correction . . . 3128 138 38881 Bridge Coil . . . . . . . . . . 3128 138 40042 Diode, Rect, BYD33V . . . . . . 9340 317 00133
                                                                                  3110
                                                                                          Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                                  3111
                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  6810
                                                                                  3112
                                                                                          Res, 100K, 5%, 1/10W, Metalized Glass.
                                                                                                                                         3198 021 51040
  6812
          Zener Diode, 22 volt . . . . . . . . . . . . . . . 3198 010 22290
                                                                                  3124
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  7810
          Power FET, STP3NB80FP.
                                       . . . . . . . 9322 136 03687
                                                                                  3125
                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                         3198 021 51030
  7818
          Transistor, NPN, BC847B(COL) . . . . . 3198 010 42030
                                                                                  3126
                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                         3198 021 51030
  7820
          Transistor, NPN, BC847B(COL) . . . . . 3198 010 42030
                                                                                  3127
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
  7821
          Transistor, PNP, BC857B(COL) . . . . . 3198 010 42150
                                                                                  3129
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
          Transistor, NPN, BC847B(COL) . . . . . 3198 010 42030
  7822
                                                                                  3130
          Transistor, PNP, BC857B(COL) . . . . . 3198 010 42150 Wire Jumper . . . . . . . . . . . . . . . . . 3198 036 90010
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  7823
                                                                                  3131
                                                                                          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                  3132
  9805
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                  3133
                                                                                  3140
Mains/Front Interface Panel
                                                                                           Res, 4K7, 5%, 1/10W, Metalized Glass .
          Mains/Front Interface Panel
                                                                                   3141
                                                                                                                                         3198 021 54720
          3142
                                                                                          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
  0214
                                                                                  3143
                                                                                          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
  1000
          Switch . . . . . . . . . . . . . . . . 2422 128 02742
                                                                                  3144
  1002
          IR Receiver, TSOP1836UH. . . . . . . . 9322 127 54667
                                                                                  3145
          Res, 22 ohm, 5%, 1/10W, Metalized Glass 3198 021 52290
S 1008
                                                                                  3150
                                                                                          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2001
                                                                                  3151
                                                                                          Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
  2002
                                                                                  3401
         Res, 470 ohm, 5%, 1/6W, Carbon Film. . 3198 011 04710 Res, 1K8, 5%, 1/6W, Carbon Film. . . 3198 011 01820 Res, 220 ohm, 5%, 1/6W, Carbon Film. . 3198 011 02210
                                                                                  3402
                                                                                          Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
  3001
                                                                                  3403
                                                                                          Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
  3003
                                                                                  3404
                                                                                          Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
  3004
                                                                                   3405
                                                                                          Res, 1K8, 5%, 1/10W, Metalized Glass . 3198 021 51820
                                                                                   3406
                                                                                          Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
2 Tuner PIP Panel
                                                                                   3407
                                                                                          Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
          2 Tuner PIP Panel
                                                                                          Res, 1K8, 5%, 1/10W, Metalized Glass . 3198 021 51820 Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
                                                                                  3408
                                                                                  3409
High Definition Jack Panel
                                                                                          Res, 820 ohm, 5%, 1/10W, Metalized Glas 3198 021 58210
Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
                                                                                   3410
         High Definition Jack Panel

      High Definition Jack Panel
      3121 238 00161

      5 Pin Board Connector
      2422 025 06353

      7 Pin Board Connector
      2422 025 10776

                                                                                  3411
  CBA
                                                                                          Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
Res, 1K1, 1%, 1/8W, Metalized Glass . 2322 734 61102
                                                                                  3412
  1104
                                                                                  3413
  1304
                                                                                  3414
                                                                                          Res, 620 ohm, 1%, 1/8W, Metalized Glass 2322 734 66201
  1680
          6 Pin Board Connector. . . . . . . . . 2422 025 10183
                                                                                          Res, 620 ohm, 1%, 1/8W, Metalized Glass 2322 734 66201
                                                                                  3415
  1990
          15 Pin Board Connector . . . . . . . . . 2422 025 16257
                                                                                          Res, 1K1, 1%, 1/8W, Metalized Glass. . 2322 734 61102
                                                                                  3416
  1991
          2 Pin Cinch Jack . . . . . . . . . . . . 2422 026 04758
         3417
                                                                                          Res, 1K3, 1%, 1/8W, Metalized Glass. . 2322 734 61302
  1993
                                                                                          Res, 2K, 1%, 1/8W, Metalized Glass . . 2322 734 62002
Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220
                                                                                  3419
  2101
                                                                                  3420
  2102
  2103
                                                                                  3421
                                                                                          Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
                                                                                          Res, 3K, 1%, 1/8W, Metalized Glass . . 2322 734 63002
Res, 1K, 1%, 1/8W, Metalized Glass . . 2322 734 61002
Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  2104
          Cap, 470n, +80/-20%, 16v, Ceramic. . . 3198 017 24740
                                                                                  3422
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250 Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                  3423
  2105
                                                                                  3424
  2107
                                                                                          Res, 1K, 1%, 1/8W, Metalized Glass . . 2322 734 61002
Res, 1K3, 1%, 1/8W, Metalized Glass . . 2322 734 61302
                                                                                  3426
  2109
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                  3427
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
  2111
                                                                                  3428
                                                                                          Res, 910 ohm, 1%, 1/8W, Metalized Glass 2322 734 69101
  2113
          Cap, 220n, +80/-20%, 25v, Ceramic. . . 3198 023 22240
                                                                                          Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720
                                                                                  3429
          Cap, 2u2, +80/-20\%, 10v, Ceramic . . . 3198 017 22250
  2115
                                                                                  3430
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
  2117
                                                                                  3431
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
  2119
                                                                                  3433
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
  2121
  2125
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                  3434
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
          Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                  3435
                                                                                  3436
          Cap, 220n, +80/-20%, 25v, Ceramic. . . 3198 023 22240
  2130
                                                                                          Res, 330K, 5%, 1/10W, Metalized Glass. 3198 021 53340
                                                                                  3701
          Cap, 100p, 5%, 50v, Ceramic. . . . . . 3198 016 01010
  2131
         3702
                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  2132
                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                  3703
                                                                                                                                         3198 021 51030
  2133
                                                                                          Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
                                                                                  3704
  2134
                                                                                   3705
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                         3198 021 51020
  2135
         3707
                                                                                          Res, 680 ohm, 5%, 1/10W, Metalized Glas 3198 021 56810
  2400
                                                                                          Res, 82K, 5%, 1/10W, Metalized Glass . 3198 021 58230 Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
                                                                                  3715
  2403
  2404
                                                                                  3716
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230 Res, 120K, 5%, 1/8W, Metalized Glass . 2322 730 61124
  2405
                                                                                  3717
                                                                                  3718
          Cap, 22u, 20%, 16v, Electrolytic . . . 3198 028 22290
          Cap, 22u, 20%, 16v, Electrolytic . . . 3198 028 22290 Cap, 100u, 20%, 10v, Electrolytic . . . 3198 028 11010
                                                                                  3900
                                                                                          Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590 Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590
  2407
                                                                                  3901
  2408
                                                                                          Res, 75 ohm, 5%, 1/10W, Metalized Glass 3198 021 57590
                                                                                  3902
  2700
          Cap, 100n, +80/-20%, 25v, Ceramic. . . 3198 023 21040
                                                                                  3903
                                                                                          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2701
          Cap, 100n, +80/-20%, 25v, Ceramic. . . 3198 023 21040
                                                                                  3904
                                                                                          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
          Cap, 100n, +80/-20%, 25v, Ceramic. . . 3198 023 21040
  2702
         3905
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2703
                                                                                  3906
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2704
                                                                                  3909
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2705
                                                                                  3910
                                                                                          Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
  2706
                                                                                  3911
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
  2707
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                  3912
  2713
          Cap, 220p, 5%, 50v, Ceramic. . . . 3198 016 02210 Cap, 220p, 5%, 50v, Ceramic. . . . 3198 016 02210
                                                                                  3913
                                                                                          Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
  2714
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
                                                                                  3914
  2715
                                                                                          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                  3915
          Cap, 47p, 5%, 50v, Ceramic . . . . 3198 016 04790 Cap, 47p, 5%, 50v, Ceramic . . . . . 3198 016 04790
  2900
                                                                                          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                  3916
  2901
         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                  3917
  2904
                                                                                S 3940
                                                                                           Res, 3R9, 5%, 1/8W, Metalized Glass. . 2322 750 63908
  2905
                                                                                S 3941
                                                                                           Res, 3R3, 5%, 1/8W, Metalized Glass. .
                                                                                                                                         2322 750 63308
  2914
                                                                                  3999
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2928
  3100
                                                                                  4701
                                                                                           Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
                                                                                          Res, Zero onm, "Chip" Jumper

Zener Diode, 3.9 volt. . . . .

Diode, 1PS76SB10 . . . . .

Diode, 1PS76SB10 . . . . .

Diode, 1PS76SB10 . . . . . .

Zener Diode, 6.8 volt. . . . . . .
          Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
  3101
                                                                                  6400
                                                                                                                                         3198 020 53980
                                                                                  6700
                                                                                                                                         9340 453 90115
                                                                                                                                         9340 453 90115
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                                  6701
  3103
                                                                                  6703
                                                                                                                                         9340 453 90115
  3104
                                                                                  6900
                                                                                                                                         3198 020 56880
  3105
          Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                        3198 021 51020
                                                                                  6901
                                                                                                                                         3198 020 56880
  3106
          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                        3198 021 51030
                                                                                          6902
         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 100K, 5%, 1/10W, Metalized Glass . 3198 021 51040 Res, 100K, 5%, 1/10W, Metalized Glass . 3198 021 51040
  3107
                                                                                  6903
  3108
                                                                                 6904
  3109
```

32P.	1630H3/A (CONCINGED)					
6905	Zener Diode, 6.8 volt	3198 02	0 56880	9411	Wire Jumper	3198 036 90010
6906	Zener Diode, 6.8 volt	3198 02		, , , , ,	niic campai	3130 030 30010
6907	Zener Diode, 6.8 volt	3198 02	56880	Cabinet	Parts	
6908	Zener Diode, 6.8 volt				Cabinet Parts	
6909 6914	Zener Diode, 6.8 volt Zener Diode, 6.8 volt			AC01 AC02	Nameplate	
6915	Zener Diode, 6.8 volt			AC02	Degaussing Coil Bracket (4 used)	
6916	Zener Diode, 6.8 volt			S AC05	Degaussing Coil	
6917	Zener Diode, 6.8 volt			AC06	Light Guide	3139 124 30411
7101	IC, TDA8601T/C1			AC07	Power Button Cover	
7102 7105	IC, 74HC4052D			AC07 AC08	Power Button Shaft	
7105	IC, M62320FP			AC09	Top Control Button	
7107	IC, TDA8601T/C1			AC10	Front Interface Bracket	
7108	Transistor, NPN, PMBT2369(UAW)			AC11	Chassis Frame	
7109		3198 01		AC13	DAF DC Shift Bracket	
7110 7400	Transistor, NPN, BC847B(COL)	3198 01 9322 14		AC14 AC16	Connector, Support Bracket	
7450	IC, TSH93ID			AC10 AC17	LOT-SSB Support	
7451	Transistor, NPN, BC847B(COL)	3198 01	0 42030	AC18	LOT Spacer	
7452	Transistor, NPN, BC847B(COL)			AC19	Side A/V Bracket	
7453 7700	Transistor, NPN, BC847B(COL) IC, LM1881M			AC20 AC21	SSB Shielding, Bottom	
7713	Transistor, NPN, BC847B(COL)			AC21 AC22	SSB Shielding, Top	
7750	IC, 74HCT4538D			AC24	Cabinet Back	
7751	IC, 74HCT4538D	9337 15	3 90118	AC25	Speaker, 10W, 8 ohm (2 Used)	3139 128 76061
				S AC26	CRT, A80ERF042X45	
Front I	/O Panel			AC27	Cabinet Front	
	Front I/O Panel			AC29 AC30	Insulator Plate	
YPbPr 1	FH Interface + Expander			AC32	Owner's Manual (French)	
	YPbPr 1FH Interface + Expander			AC32	Owner's Manual (Spanish)	
CBA	YPbPr 1FH Interface + Expander			AC32	Owner's Manual (English)	
0025 0224		2422 03		S AC33 AC34	AC Power Cord	
1933	5 Pin Board Connector			AC34 AC35	Quick Use Guide (English)	
1934		2422 02		AC35	Quick Use Guide (Spanish)	
2801	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 01	7 22250	AC35	Quick Use Guide (French)	
2803	Cap, 2u2, +80/-20%, 10v, Ceramic			AC38	Cabinet Front Assembly (Shown Exploded)	
2805 2810	Cap, 2u2, +80/-20%, 10v, Ceramic Cap, 100u, 20%, 25v, Electrolytic	3198 01 3198 02		AC39 AC40	Torx Driver - T10 7" length Torx Driver - T10 10" length	
2811	Cap, 100u, 20%, 25V, Electrolytic	3198 01			Remote Control Transmitter, RCEU023/02	
3801	Res, 10 ohm, 5%, 1/10W, Metalized Glass					
3802	Res, 15K, 5%, 1/10W, Metalized Glass .			CRT Pane		
3803 3804	Res, 15K, 5%, 1/10W, Metalized Glass . Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 02		CBA	CRT Panel CRT Panel	2120 107 20651
3805	Res, 150 ohm, 5%, 1/10W, Metalized Glas			0224	7 Pin Board Connector	
3806	Res, 180 ohm, 5%, 1/10W, Metalized Glas			S 0235	Ground Clip	
3807	Res, 220 ohm, 5%, 1/10W, Metalized Glas			0236	Contact Pin	
3808	Res, 1K, 5%, 1/10W, Metalized Glass.			S 0298	10 Pin CRT Socket	
3811 3812	Res, 10 ohm, 5%, 1/10W, Metalized Glass Res, 68K, 5%, 1/10W, Metalized Glass.	3198 02		0340 0383	11 Pin Board Connector	
3813	Res, 39K, 5%, 1/10W, Metalized Glass.			2103	Cap, 330p, 5%, 50v, Ceramic	
3814	Res, 1K, 5%, 1/10W, Metalized Glass	3198 02	1 51020	2104	Cap, 330p, 5%, 50v, Ceramic	
3815	Res, 270 ohm, 5%, 1/10W, Metalized Glas			2105	Cap, 330p, 5%, 50v, Ceramic	
3816 3817	Res, 470 ohm, 5%, 1/10W, Metalized Glas Res, 1K, 5%, 1/10W, Metalized Glass			2118 2300	Cap, 220n, 10%, 50v, Polyester Cap, 22u, 20%, 100v, Electrolytic	
3818	Res, 1K, 5%, 1/10W, Metalized Glass			2301	Cap, 220u, 20%, 16v, Electrolytic	
3819	Res, 3R9, 5%, 1/8W, Metalized Glass	2322 75		2302	Cap, 10p, 5%, 50v, Ceramic	
3821	Res, 10 ohm, 5%, 1/10W, Metalized Glass			2303	Cap, 470p, 5%, 50v, Ceramic	
3822	Res, 68K, 5%, 1/10W, Metalized Glass.	3198 02 3198 02		2304	Cap, 22n, 10%, 100v, Metalized Polyeste	
3823 3824	Res, 39K, 5%, 1/10W, Metalized Glass . Res, 1K, 5%, 1/10W, Metalized Glass .			2306 2307	Cap, 100n, 10%, 16v, Ceramic Cap, 22n, 10%, 50v, Ceramic	
3825	Res, 330 ohm, 5%, 1/10W, Metalized Glas			2308	Cap, 15p, 5%, 50v, Ceramic	
3826	Res, 100 ohm, 5%, 1/10W, Metalized Glas			2309	Cap, 22n, 10%, 50v, Ceramic	
3827	Res, 1K, 5%, 1/10W, Metalized Glass			2310	Cap, 18p, 5%, 50v, Ceramic	
3828 3830	Res, 1K, 5%, 1/10W, Metalized Glass Res, 100 ohm, 5%, 1/10W, Metalized Glas			2312 2313	Cap, 22p, 5%, 50v, Ceramic Cap, 100u, 20%, 250v, Electrolytic	3198 016 02290 2022 031 00211
3831	Res, 100 ohm, 5%, 1/10W, Metalized Glas			2315	Cap, 120p, 5%, 50v, Ceramic	3198 016 01210
3899	Res, 75 ohm, 5%, 1/10W, Metalized Glass			2316	Cap, 100n, 10%, 250v, Metalized Polyest	
4801	Res, Zero ohm, "Chip" Jumper				er	
4802 4803	·	3198 02 3198 02		2317	Cap, 1n2, 5%, 2000v, Polypropylene Cap, 22n, +80/-20%, 50v, Ceramic	
4804	Res, Zero ohm, "Chip" Jumper	3198 02		2318 2319	Cap, 10n, +80/-20%, 50v, Ceramic	3198 017 22230 3198 019 21030
7800	Transistor, NPN, BC847B(COL)	3198 01		2325		
7801	Transistor, PNP, BC857B(COL)	3198 01	0 42150	2337	Cap, 100p, 5%, 50v, Ceramic	3198 016 31010
7802	Transistor, NPN, BC847B(COL)	3198 01		2409	Cap, 470n, +80/-20%, 10v, Ceramic	
7803 7804	Transistor, PNP, BC857B(COL)	3198 01		2410 2411	Res, Zero ohm, "Chip" Jumper Cap, 100n, 10%, 16v, Ceramic	3198 021 90030
7804	Transistor, NPN, BC847B(COL) Transistor, PNP, BC857B(COL)	3198 01 3198 01		2411	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 01040 3198 017 44740
7806		9322 12		3106	· _ · _ · _ · _ · _ · _ · _ · _ ·	2322 704 61802
		3198 03	6 90010	3107	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
9000	Wire Jumper			3109	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
9001	Wire Jumper	3198 03		2112		
9001 9002	Wire Jumper	3198 03 3198 03	6 90010	3110 3111	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
9001 9002 9403	Wire Jumper	3198 03 3198 03 3198 03	6 90010 6 90010	3111	Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25%	2312 915 11202 2120 358 90538
9001 9002	Wire Jumper	3198 03 3198 03	6 90010 6 90010 6 90010		Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25%	2312 915 11202
9001 9002 9403 9404 9405 9406	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 03 3198 03 3198 03 3198 03 3198 03 3198 03	6 90010 6 90010 6 90010 6 90010 6 90010	3111 3113 3114 3115	Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25% Res, 1K8, 1%, 1/16W, Metalized Glass . Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25%	2312 915 11202 2120 358 90538 2322 704 61802 2312 915 11202 2120 358 90538
9001 9002 9403 9404 9405 9406 9407	Wire Jumper.	3198 03 3198 03 3198 03 3198 03 3198 03 3198 03	6 90010 6 90010 6 90010 6 90010 6 90010 6 90010	3111 3113 3114 3115 3116	Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25% Res, 1K8, 1%, 1/16W, Metalized Glass . Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25% Res, 1K, 5%, 1/6W, Carbon Film	2312 915 11202 2120 358 90538 2322 704 61802 2312 915 11202 2120 358 90538 3198 011 01020
9001 9002 9403 9404 9405 9406 9407 9408	Wire Jumper.	3198 03 3198 03 3198 03 3198 03 3198 03 3198 03 3198 03 3198 03	6 90010 6 90010 6 90010 6 90010 6 90010 6 90010 6 90010	3111 3113 3114 3115 3116 3117	Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25%	2312 915 11202 2120 358 90538 2322 704 61802 2312 915 11202 2120 358 90538 3198 011 01020 2322 704 62702
9001 9002 9403 9404 9405 9406 9407	Wire Jumper.	3198 03 3198 03 3198 03 3198 03 3198 03 3198 03 3198 03 3198 03 3198 03	6 90010 6 90010 6 90010 6 90010 6 90010 6 90010 6 90010 6 90010	3111 3113 3114 3115 3116	Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25% Res, 1K8, 1%, 1/16W, Metalized Glass . Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25% Res, 1K, 5%, 1/6W, Carbon Film	2312 915 11202 2120 358 90538 2322 704 61802 2312 915 11202 2120 358 90538 3198 011 01020 2322 704 62702 2322 704 62202

	3120	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2222 704 61901
	3121		
		Res, 180 ohm, 1%, 1/16W, Metalized Glas	
	3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas	
	3123	Res, 220 ohm, 1%, $1/16W$, Metalized Glas	
	3124	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3125	Trim Pot, 470 ohm, 25%	2120 358 90538
S	3300	Res, 5R6, 5%, 1/3W, Metal Film	
_	3301	Res, 10K, 5%, 2 1/2W, Metal Film	2322 195 63103
	3303	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3304	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3308	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3309	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3310	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3311	Res, 330 ohm, 5%, 1/10W, Metalized Glas	
	3312	Res, 2K2, 5%, 1/10W, Metalized Glass.	3198 021 52220
	3315	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3316	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3317	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3318	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3319	Res, 1K2, 5%, 1/10W, Metalized Glass .	
	3320	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3334	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3338	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
	3339	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
	3340	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
S	3341	Res, 100 ohm, 5%, 1/3W, Metal Film	2306 204 03101
	3342	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3343	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3345	Res, 33 ohm, 5%, 1/6W, Carbon Film	3198 011 03390
	3347	Res, 1K5, 20%, 1/2W, Carbon Film	3198 013 01520
	3348	Res, 2K2, 1%, 3/5W, Metal Film	
	3349	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
	3350	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
	3351	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
	3352	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
	3353	Res, 4R7, 5%, 1/6W, Carbon Film	3198 011 04710
	3355	Res, 10 ohm, 5%, 1/10W, Metalized Glass	
	3356	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3357	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3358	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3359	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3366	Voltage Dependent Resistor	2322 593 13507
	3375	Res, 100K, 1%, 3/5W, Metal Film	2312 915 11004
	3376		2312 915 11004
		Res, 100K, 1%, 3/5W, Metal Film	
	3377	Res, 100K, 1%, 3/5W, Metal Film	2312 915 11004
	3378	Res, 4R7, 5%, 1/16W, Metalized Glass .	3198 021 34780
	3379	Dec. ADE E0 1/CH College Eile	
		Res, 4R/, 5%, 1/6W, Carbon Film	3198 011 04780
	3398	Res, 4R7, 5%, 1/6W, Carbon Film Res, 18K, 5%, 1/6W, Carbon Film	
	3398	Res, 18K, 5%, 1/6W, Carbon Film	3198 011 01830
c	3405	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film	3198 011 01830 2120 101 74399
s	3405 3412	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass	3198 011 01830 2120 101 74399 2322 750 61509
S	3405 3412 3413	Res, 18K, 5%, $1/6$ W, Carbon Film Res, 39 ohm, 5%, $1/4$ W, Carbon Film Res, 15 ohm, 5%, $1/8$ W, Metalized Glass Res, 390 ohm, 5%, $1/6$ W, Metalized Glas	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910
S	3405 3412 3413 3414	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glas Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090
S	3405 3412 3413 3414 3416	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910
S	3405 3412 3413 3414	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glas Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090
S	3405 3412 3413 3414 3416	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030
S	3405 3412 3413 3414 3416 4115 4301	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90020
	3405 3412 3413 3414 3416 4115 4301 4302	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030
	3405 3412 3413 3414 3416 4115 4301 4302 5300	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90020 3198 021 90030 3194 308 20571
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90020 3198 021 90030 3194 308 20571 3198 020 55680
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6306	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6306 6307	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90020 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6306 6307 6308	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6306 6307 6308 6309	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, Zero ohm, "Chip" Jumper. Diode, Zero ohm, "Chip" Jumper. Transformer, S13974-03. Zener Diode, 5.6 volt. Diode, BAS321. Diode, BAS321. Diode, MCL4148. Diode, MCL4148.	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9342 128 15685
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6306 6307 6308	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6306 6307 6308 6309	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, Zero ohm, "Chip" Jumper. Diode, Zero ohm, "Chip" Jumper. Transformer, S13974-03. Zener Diode, 5.6 volt. Diode, BAS321. Diode, BAS321. Diode, MCL4148. Diode, MCL4148.	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9342 128 15685
	3405 3412 3413 3414 4301 4302 5300 6305 6306 6307 6308 6309 7300 7301	Res, 18K, 5%, 1/6W, Carbon Film Res, 39 ohm, 5%, 1/4W, Carbon Film Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BFS20	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9320 634 20126
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6306 6307 6308 6309 7300 7300 7301 7302	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 200 ohm, 5%, 1/4W, Carbon Film. Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt. Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, PNP, 2SA1358	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9320 634 20126 9330 921 11215 9322 166 55682
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6306 6307 6308 6309 7300 7301 7302 7303	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, Zero ohm, "Chip" Jumper. Transformer, S13974-03. Zener Diode, 5.6 volt. Diode, BAS321. Diode, BAS321. Diode, BAS321. Diode, MCL4148 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BFS20. Transistor, NPN, BFS20 Transistor, NPN, 2SC3421.	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 55682
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6306 6307 6308 6309 7300 7301 7302 7303 7304	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" J	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 95680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9330 634 20126 9330 921 11215 9322 166 55682 9337 223 50215
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6307 6308 6307 7300 7301 7302 7303 7304 7307	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, BF520 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 95680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 15685 9320 128 15685 9330 634 20126 9330 921 11215 9322 166 55682 9322 166 55682 9327 223 50215 9352 079 80112
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6306 6307 6308 6309 7300 7300 7301 7302 7303 7304 7307 7308	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt. Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BFS20	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 505680 9340 553 52115
	3405 3412 3413 3414 3416 4115 4301 4302 5300 6100 6305 6307 6308 6307 7300 7301 7302 7303 7304 7307	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, BF520 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9330 921 11215 3359 921 11215 3198 036 90010
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6306 6307 6308 6309 7300 7300 7301 7302 7303 7304 7307 7308	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt. Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BFS20	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 505680 9340 553 52115
	3405 3412 3413 3414 3416 4301 4302 5300 6100 6305 6306 6307 6308 6309 7300 7300 7301 7302 7303 7304 7307 7308 9301	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Ch	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9330 921 11215 3359 921 11215 3198 036 90010
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6307 6308 6307 7300 7301 7302 7303 7304 7307 7308 9301 9302 9305	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper. Res, Zero ohm, "Chip" Jumper. Res, Zero ohm, "Chip" Jumper. Res, Zero ohm, "Chip" Jumper. Transformer, S13974-03 Zener Diode, 5.6 volt. Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 IC, TDA6103Q/N3. Transistor, NPN, BF520 Wire Jumper. Wire Jumper. Wire Jumper.	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 95680 340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 15685 9322 128 15685 9320 128 15685 9320 128 15685 9322 166 55682 9330 921 11215 9322 166 56682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010 3198 036 90010
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6307 6308 6307 7300 7300 7300 7301 7302 7303 7307 7308 9301 9302 9305 9307	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Wire Jumper Wire Jumper Wire Jumper Wire Jumper Wire Jumper Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90020 3198 021 90020 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 5
	3405 3412 3413 3413 3414 3416 44115 4301 5300 6100 6305 6306 6307 6308 6309 7300 7301 7302 7303 7304 7307 7308	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9322 166 5682 9337 223 166 5682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6305 6306 6307 6308 7300 7301 7302 7303 7304 7307 7303 7304 7302 9305 9305 9307 9308 9309	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 95680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9320 121 1215 9320 166 5682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
	3405 3412 3413 3414 3416 4105 4301 5300 6100 6305 6307 6308 6307 7300 7301 7302 7303 7304 7307 7308 9301 9305 9307 9305 9307 9309 9313	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, 2SA1358 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BFS20 Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 95680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 15685 9322 128 15685 9322 166 55682 9330 921 11215 9322 166 56682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6307 6308 6307 7300 7300 7300 7301 7302 7303 7304 7307 7308 9301 9302 9305 9307 9308 9309 9313 9314	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, Zero ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, BF520 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BF820 Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90020 3198 021 90020 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 5
	3405 3412 3413 3414 3416 44115 4301 5300 6100 6305 6306 6307 6308 6309 7300 7301 7302 7303 7304 7307 7308 9301 9302 9305 9307 9308 9314 9316	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9322 166 5682 9330 921 11215 3128 166 56682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6307 6308 6307 7300 7300 7300 7301 7302 7303 7304 7307 7308 9301 9302 9305 9307 9308 9309 9313 9314	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, Zero ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, BF520 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BF820 Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90020 3198 021 90020 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 5
	3405 3412 3413 3414 3416 44115 4301 5300 6100 6305 6306 6307 6308 6309 7300 7301 7302 7303 7304 7307 7308 9301 9302 9305 9307 9308 9314 9316	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9322 166 5682 9330 921 11215 3128 166 56682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
	3405 3412 3413 3414 3416 4115 4302 5300 6100 6305 6307 6308 6309 7301 7302 7300 7301 7302 7303 9307 9305 9307 9308 9307 9309 9313 9314 9317 9318	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, Zero ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt. Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, 2SA1358 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BFS20 Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3104 308 20571 3198 020 55680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 126 65682 9337 221 11215 9322 166 56682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6307 6308 6307 7302 7300 7300 7301 7302 7303 7307 7308 9301 9305 9307 9308 9309 9313 9314 9316 9311 9318 9321	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Ch	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 15215 9322 166 5682 9330 921 11215 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010
	3405 3412 3413 3414 3416 44115 4301 5300 6100 6305 6306 6307 6308 6307 7300 7300 7301 7302 9305 9301 9302 9305 9307 9314 9316 9317 9318 9317 9318 9321 9322	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Ch	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 95680 9340 553 52115 9322 166 5682 9330 921 11215 322 166 5682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010
	3405 3412 3413 3414 3416 4301 5300 6100 6305 6306 6307 6308 6309 7300 7301 7302 9305 9307 9301 9302 9305 9307 9308 9309 9313 9316 9317 9318 9322 9323	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Ch	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 95680 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9340 553 52115 9322 128 15685 9322 128 128 15685 9322 128 15685 9322 128 15685 9322 128 15685 9322 128 128 128 128 128 128 128
	3405 3412 3413 3414 3416 4105 4300 6100 6305 6307 6308 6309 7300 7301 7302 7303 7304 7307 7308 9307 9305 9307 9308 9307 9309 9313 9314 9317 9318 9321 9323 9324	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, BF520 Transistor, NPN, 2SA1358 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BFS20 Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 5535 320 55680 9340 553 52115 9340 553 521
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6307 6308 6309 7300 7301 7302 7303 7304 7307 7308 9301 9305 9307 9308 9307 9308 9313 9314 9316 9317 9318 9321 9322 9323 9324 9325	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Ch	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 553 52115 9340 553 52115 9322 166 5685 9330 921 11215 9322 166 56682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010
	3405 3412 3413 3414 3416 4105 4300 6100 6305 6307 6308 6309 7300 7301 7302 7303 7304 7307 7308 9307 9305 9307 9308 9307 9309 9313 9314 9317 9318 9321 9323 9324	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, 5%, 1/4W, Carbon Film Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, BF520 Transistor, NPN, 2SA1358 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BFS20 Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 5535 320 55680 9340 553 52115 9340 553 521
	3405 3412 3413 3414 3416 4115 4301 5300 6100 6305 6307 6308 6309 7300 7301 7302 7303 7304 7307 7308 9301 9305 9307 9308 9307 9308 9313 9314 9316 9317 9318 9321 9322 9323 9324 9325	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, "Chip" Jumper Res, Zero ohm, "Ch	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 553 52115 9340 553 52115 9322 166 5685 9330 921 11215 9322 166 56682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010
	3405 3412 3413 3414 3416 44115 4301 4302 5300 6100 6305 6306 6307 6308 6309 7300 7301 7302 9301 9302 9305 9307 9308 9309 9311 9316 9317 9318 9319 9319 9321 9322 9325 9326	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, Zero ohm, "Chip" Jumper. Res, Zero	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 95680 9340 553 52115 9322 166 5685 9322 128 15685 9322 166 56682 9337 223 50215 9352 166 56682 9337 223 50215 9352 079 80112 9330 921 11215 3198 036 90010
	3405 3412 3413 3414 3416 4115 4302 5300 6100 6305 6307 6308 6309 7301 7302 7303 7304 7307 7308 9307 9305 9307 9308 9307 9309 9313 9314 9317 9318 9321 9322 9325 9324 9325 9323 9324 9325 9330 9333	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, 5%, 1/16W, Metalized Glass Res, 2ero ohm, 5%, 1/16W, Metalized Glass Res, Zero ohm, "Chip" Jumper Transformer, S13974-03 Zener Diode, 5.6 volt. Diode, BAS321 Diode, BAS321 Diode, BAS321 Diode, MCL4148 Diode, MCL4148 Transistor, NPN, BF199 Transistor, NPN, BF520 Transistor, NPN, BF520 Transistor, NPN, 2SC3421 Transistor, NPN, 2SC3421 Transistor, NPN, BF824 TC, TDA6103Q/N3 Transistor, NPN, BF820 Wire Jumper	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 553 52115 9340 553 52115 93
	3405 3412 3413 3414 3416 4301 5300 6100 6305 6306 6307 6308 6309 7300 7301 7302 9305 9307 7303 7304 7307 7308 9309 9313 9318 9321 9318 9322 9323 9324 9326 9330	Res, 18K, 5%, 1/6W, Carbon Film. Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, 15 ohm, 5%, 1/8W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 390 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film. Res, Zero ohm, "Chip" Jumper. Res, Zero	3198 011 01830 2120 101 74399 2322 750 61509 3198 021 33910 3198 021 31090 2120 101 74399 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 90030 3198 021 553 52115 9340 553 52115 9322 166 5682 9330 921 11215 3198 036 90010

9401 9403	Jumper. Jumper.								

Large Si	ignal Panel			2464	Cap, 2u2, 20%, 25v, Electrolytic 3198 026 32220	
~	Large Signal Panel	2124 222	05101	2465	Cap, 470p, 10%, 500v, Ceramic 3198 019 44710	
CBA S 0010		3104 328 2422 025		2466 2467	Cap, 100u, 20%, 10v, Electrolytic 3198 025 11010 Cap, 100u, 20%, 10v, Electrolytic 3198 025 11010	
S 0010	2 Pin Board Connector			2468	Cap, 4u7, 20%, 350v, Electrolytic 2020 021 91304	
0150		2422 088		2469	Cap, 1n5, 10%, 1000v, Ceramic 3198 019 61520	
0153	Fuse Holder			2471	Cap, 18n, 2%, 63v, Polypropylene 2222 460 9002	
0203	4 Pin Board Connector			2480	Cap, 4n7, 10%, 50v, Polyester 3198 014 04720	
0204		2422 025		2485	Cap, 10n, 2%, 63v, Polypropylene 2222 460 9002	
0317 0324	2 Pin Board Connector	2422 025 2422 025		2489 2492	Cap, 47u, 20%, 25v, Electrolytic 3198 025 34790 Res, Zero ohm, "Chip" Jumper 3198 021 90020	
0325	3 Pin Board Connector			2493	Cap, 22n, +80/-20%, 50v, Ceramic 3198 017 22230	
0390	3 Pin Board Connector			2494	Cap, 220n, 10%, 16v, Ceramic 2238 780 15654	
0391	Contact Pin	2422 015	18552	2495	Cap, 220n, 10%, 16v, Ceramic 2238 780 1565	4
0392	3 Pin Board Connector			2496	Cap, 100n, 10%, 50v, Ceramic 2222 580 1564	
1001	Spark Gap			2497	Cap, 220n, +80/-20%, 25v, Ceramic 3198 023 2224	
S 1002 1200	Relay, 5 Amp, 5V Tuner			2498 2499	Cap, 100n, 10%, 16v, Ceramic 3198 017 01040 Cap, 3n3, 10%, 50v, Ceramic 3198 017 03320	
S 1401	Fuse, T315MA, 250V			2501	Cap, 2n2, 10%, 1000v, Ceramic 2020 558 90573	
S 1501		2422 086		2502	Cap, 2n2, 10%, 50v, Ceramic 3198 019 12220	
S 1503	Fuse, F2A5, 250V	2422 086	10987	2503	Cap, 33n, 10%, 100v, Metalized Polyeste 2222 365 8533	3
1735	3 Pin Board Connector			S 2505	Cap, 3n3, 20%, v, Ceramic 2020 554 9017	4
1736	3 Pin Board Connector			2506	Cap, 470n, 10%, 100v, Metalized Polyest	1
1900 1901	12 Pin Cinch Jack			2507	er	4
1920	5 Pin Board Connector			2507	pylene	8
1921	3 Pin Board Connector			2509	Cap, 2n2, 10%, 1000v, Ceramic 3198 019 52220	
1923	80 Pin SIMM Socket	2422 025	16599	2510	Cap, 470u, 20%, 200v, Electrolytic 2020 024 9064	
1936	11 Pin Board Connector			2511	Cap, 470u, 20%, 200v, Electrolytic 2020 024 9064	
1937	10 Pin Board Connector			2512	Cap, 1000u, 20%, 35v, Electrolytic 3198 026 41020	
1940 1943	11 Pin Board Connector			2513 2514	Cap, 470p, 10%, 50v, Ceramic 3198 017 04710 Cap, 330p, 10%, 50v, Ceramic 3198 017 03310	
1945	3 Pin Board Connector			2515	Cap, 47u, 20%, 160v, Electrolytic 2020 021 9154:	
1946	2 Pin Board Connector			2518	Cap, 150p, 10%, 500v, Ceramic 3198 019 41510	
1947	5 Pin Board Connector	2422 025	12481	2519	Cap, 2n2, 10%, 500v, Ceramic 3198 019 42220	
1951	5 Pin Board Connector			2520	Cap, 100n, 10%, 16v, Ceramic 3198 017 01040	
S 1975	Fuse, 250MA, 65V			2521	Cap, 270p, 5%, 50v, Ceramic 3198 016 02710	
2101 2102	Cap, 2n2, 10%, 50v, Ceramic Cap, 47u, 20%, 25v, Electrolytic	3198 019		2529 2530	Cap, 470u, 20%, 6.3v, Electrolytic 3198 025 04710 Cap, 470n, +80/-20%, 16v, Ceramic 3198 017 24740	
2102		3198 025		2531	Cap, 1n5, 10%, 500v, Ceramic 3198 019 41520	
2106		3198 017		2536	Cap, 1u, 20%, 50v, Electrolytic 3198 025 51080	
2108	Cap, 10n, 10%, 400v, Metalized Polyeste	2222 365	55103	S 2537	Cap, 22n, 20%, 275v, Metalized Polyprop	
2109		3198 017		0500	ylene	
2110		3198 017	21050	2538 2601	Cap, 4n7, 10%, 50v, Ceramic 3198 017 04720 Cap, 1u, 10%, 50v, Polyester 3198 014 01050	
S 2112	Cap, 100n, 20%, 275v, Metalized Polypro pylene	2222 336	29144	2602	Cap, 22u, 20%, 50v, Electrolytic 3198 014 01000	
2113		3198 017		2603	Cap, 2u2, +80/-20%, 10v, Ceramic 3198 017 22250	
2115		3198 017		2604	Cap, 10u, 20%, 50v, Electrolytic 3198 025 51090	0
2116		3198 017		2606	Cap, 1u, 10%, 50v, Polyester 3198 014 01050	
2117		3198 019		2607	Cap, 4u7, 20%, 100v, Electrolytic 3198 025 74780	
2120 2132		3198 014 3198 017		2609 2610	Cap, 220u, 20%, 16v, Electrolytic 3198 025 22210 Cap, 2n2, 10%, 50v, Ceramic 3198 017 02220	
2200		3198 017		2611	Cap, 330n, 10%, 16v, Ceramic	
2201		3198 023		2620	Cap, 220n, +80/-20%, 50v, Ceramic 2238 580 1981	
2202		2238 580	19814	2621	Cap, 100n, +80/-20%, 25v, Ceramic 3198 023 21040	
2203		3198 025		2622	Cap, 100u, 20%, 50v, Electrolytic 3198 025 51010	
2400		2020 021		2624	Cap, 470n, 10%, 50v, Polyester 3198 014 04740 Cap, 470n, 10%, 50v, Polyester 3198 014 04740	
2402 2408		3198 019 3198 016		2625 2627	Cap, 470n, 10%, 50v, Polyester 3198 014 04740 Cap, 1u, 20%, 100v, Electrolytic 3198 025 71080	
2411		3198 017		2639	Cap, 220n, 10%, 16v, Ceramic 2238 780 15654	
2412		3198 023	21040	2640	Cap, 4u7, 20%, 50v, Electrolytic 3198 025 54780	
2413		2020 021		2641	Cap, 100n, 10%, 50v, Ceramic 2222 580 1564	
2414		3198 023		2642	Cap, 100u, 20%, 50v, Electrolytic 2020 021 9058	
2415 S 2416		3198 016 2020 554		2643 2653	Cap, 100n, 10%, 50v, Ceramic 2222 580 15649 Cap, 1n, 5%, 50v, Ceramic 3198 016 01020	
2417	= 1	3198 023		2654	Cap, 47n, 10%, 25v, Ceramic	
2419	±	2020 558		2704	Cap, 47u, 20%, 50v, Electrolytic 3198 025 54790	
2420		2222 375	90504	2730	Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290	
2421	Cap, 1u2, 5%, 250v, Metalized Polypropy			2731	Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290	
0.40.4		2022 333		2732	Cap, 100u, 20%, 50v, Electrolytic 3198 025 51010	
2424 2425	± · · · · · · · · · · · · · · · · · · ·	3198 019 2222 375		2733 2734	Cap, 100u, 20%, 50v, Electrolytic 3198 025 51010 Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290	
2425 2426		2222 375		2734	Cap, 22u, 20%, 50v, Electrolytic 3198 025 52290	
2429	Cap, 4n7, 10%, 400v, Metalized Polyeste			2738	Cap, 470u, 20%, 16v, Electrolytic 3198 025 24710	
2430	Cap, 10n, 10%, 100v, Metalized Polyeste	2222 365	85103	2739	Cap, 470u, 20%, 16v, Electrolytic 3198 025 24710	0
2431		3198 019	41020	2756	Cap, 47n, 10%, 25v, Ceramic 3198 023 04730	
2433	Cap, 330n, 5%, 250v, Metalized Polyprop	2022 222	00004	2758	Cap, 4u7, 20%, 50v, Electrolytic 3198 025 54780	
2436	=	2022 333 2020 021		2760 2761	Cap, 1000u, 20%, 25v, Electrolytic 3198 026 31020 Cap, 1000u, 20%, 25v, Electrolytic 3198 026 31020	
2445		3198 023		2765	Cap, 1000d, 20%, 25V, Electrolytic 3198 025 51010	
2446		3198 016		2767	Cap, 220u, 20%, 25v, Electrolytic 3198 025 32210	
2447	Cap, 470p, 5%, 50v, Ceramic	3198 016	04710	2782	Cap, 47n, 10%, 25v, Ceramic 3198 023 04730	
2448		3198 016	04710	2784	Cap, 1u, 10%, 50v, Polyester 3198 014 01050	
2450	Cap, 100n, 10%, 100v, Metalized Polyest	2222 265	05104	2785	Cap, 1u, 10%, 50v, Polyester 3198 014 01050	
2454	er	2020 552		2788 2905	Cap, 470p, 10%, 50v, Ceramic 3198 017 04710 Cap, 3u3, 20%, 16v, Electrolytic 3198 026 23320	
2455		3198 017		2906	Cap, 100p, 5%, 50v, Ceramic	
2459		3198 019		2910	Cap, 100p, 5%, 50v, Ceramic 3198 016 01010	
2460	Cap, 3u3, 20%, 16v, Electrolytic	3198 026		2912	Cap, 10u, 20%, 50v, Electrolytic 3198 025 51090	
2461		3198 019		2913	Cap, 100n, 10%, 16v, Ceramic 3198 017 01040	
2462 2463		3198 026 3198 019		2914 2917	Cap, 100u, 20%, 10v, Electrolytic 3198 025 11010 Cap, 100p, 5%, 50v, Ceramic 3198 016 01010	
2403	cap, 170p, 100, 5000, ceramic	JIJU UIJ	11/10	2711		-

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Cap, 100p, 5%, 50v, Ceramic. . . . . . 3198 016 01010 Cap, ln, 5%, 50v, Ceramic. . . . . . . 3198 016 01020
                                                                                  3481
                                                                                         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
                                                                                  3484
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2923
          Cap, 330p, 5%, 50v, Ceramic. . . . . 3198 016 03310
                                                                                  3485
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                        3198 021 51020
                                              . . . . 3198 016 03310
  2925
          Cap, 330p, 5%, 50v, Ceramic. .
                                                                                  3486
                                                                                          Res, 4K7, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 54720
  2926
          Cap, 470u, 20%, 6.3v, Electrolytic . . 3198 025 04710
                                                                                  3487
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 52230
  2927
          Cap, 47u, 20%, 50v, Electrolytic . . . 3198 025 54790 Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                  3489
                                                                                          Res, 2K2, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 52220
  2928
                                                                                  3495
                                                                                          Res, 33K, 1%, 3/5W, Metal Film . . . .
                                                                                                                                        2312 915 13303
                                                                                         Res, 1K, 5%, 1/6W, Carbon Film . . . 3198 011 01020 Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2941
          Cap, 6n8, 10%, 50v, Ceramic. . . . . 3198 017 06820
                                                                                  3496
          Cap, 6n8, 10%, 50v, Ceramic. . . . . 3198 017 06820
  2942
                                                                                  3497
          Cap, 1u, 20%, 50v, Electrolytic. . . 3198 025 51080 Cap, 47n, 10%, 25v, Ceramic. . . . 3198 023 04730 Cap, 47n, 10%, 25v, Ceramic. . . . 3198 023 04730
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. .
  2951
                                                                                  3498
                                                                                                                                        3198 021 51020
                                                                                          Res, OR47, 10%, 7W, Wire Wound . . . .
                                                                                                                                        2322 252 41477
  2952
                                                                               S 3500
          Cap, 47n, 10%, 25v, Ceramic. . . . . 3198 023 04730 Res, 3M3, 5%, 1/4W, Metalized Glass . . 2322 241 53335
  2953
                                                                               S 3501
                                                                                          Res, 220 ohm, 20%, 1/2W, Carbon Film .
                                                                                                                                        3198 013 02210
                                                                                          Res, 4M7, 5%, 1/2W, Metalized Glass. .
  3101
                                                                               S 3502
                                                                                                                                        2322 242 13475
          Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
  3102
                                                                               S 3503
                                                                                          Res, 4M7, 5%, 1/2W, Metalized Glass. .
                                                                                                                                        2322 242 13475
                                                                                          Res, 470 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                        3198 011 04710
          Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                                  3504
  3103
  3104
          Res, 47 ohm, 5%, 1/6W, Carbon Film . . 3198 011 04790
                                                                                  3505
                                                                                          Res, 68K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 56830
  3105
          Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                                  3506
                                                                                          Res, 47K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 54730
  3106
          Res, 1K, 5%, 1/6W, Carbon Film . . . .
                                                        3198 011 01020
                                                                                  3507
                                                                                          Res, 160K, 1%, 3/5W, Metal Film. . . .
                                                                                                                                        2312 915 11604
          Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020 Res, 10 ohm, 5%, 1/6W, Carbon Film . . . 3198 011 01090
                                                                                          Res, 6K8, 5%, 1W, Metal Film . . . . .
  3107
                                                                               S 3508
                                                                                                                                        3198 012 16820
                                                                                          2322 595 90025
  3108
                                                                               S 3509
          Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                          Res, 2K, 1%, 1/8W, Metalized Glass . .
  3109
                                                                                  3510
                                                                                                                                        2322 734 62002
                                                                                          Res, 3K9, 5%, 1/6W, Carbon Film. . . . Res, 68K, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                        3198 011 03920
          Res, 10 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03109
  3110
                                                                                  3511
  3113
          Res, 22 ohm, 5%, 1/6W, Carbon Film . .
                                                        3198 011 02290
                                                                                  3512
                                                                                                                                        3198 011 06830
          Res, 220 ohm, 5%, 1/6W, Carbon Film. . 3198 011 02210
                                                                                                                                       2322 193 53334
  3114
                                                                                  3513
                                                                                          Res, 330K, 5%, 1W, Metal Film. . . . .
          Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010 Res, 4R7, 5%, 1/6W, Carbon Film. . . . 3198 011 04780
                                                                                  3514
                                                                                          Res, 1R2, 5%, 1W, Metal Film . . . . .
                                                                                                                                        2322 193 53128
                                                                                  3515
                                                                                          Res, OR68, 5%, 3/5W, Metal Film. . . .
                                                                                                                                        3198 012 16870
  3118
  3119
          Res, 33 ohm, 5%, 1/6W, Carbon Film . . 3198 011 03390
                                                                                  3517
                                                                                          Res, 4K7, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 54720
  3120
          Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                  3518
                                                                                          Res, 100K, 5%, 1/6W, Carbon Film . . .
                                                                                                                                        3198 011 01040
  3121
          Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                                  3519
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 52230
          Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090 Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
                                                                                          Res, 33K, 5%, 2 1/2W, Metal Film . . .
                                                                               S 3520
  3123
                                                                                                                                        3198 012 33330
  3124
                                                                               S 3521
                                                                                          Res. 1M, 5%, 1/2W, Metalized Glass . .
                                                                                                                                        2322 242 13105
          Res, 15 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01590 Res, 15 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01590 Res, 10K, 5%, 1/6W, Carbon Film . . . 3198 011 01030 Res, 5K6, 5%, 1/6W, Carbon Film . . . 3198 011 05620 Res, 47 ohm, 5%, 1/6W, Carbon Film . . . 3198 011 04790
                                                                                          Res, 6K8, 5%, 1/6W, Carbon Film. . . .
  3125
                                                                                  3522
                                                                                                                                        3198 011 06820
                                                                                          Res, 1M, 5%, 1/10W, Metalized Glass. .
                                                                                  3523
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  3126
                                                                                  3524
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  3127
                                                                                          Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
          Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                          Res, OR1, 5%, 3/5W, Metal Film . . . . 3198 012 11070
  3148
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          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                          Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
  3200
                                                                                  3527
  3201
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                  3528
                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
          Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230
  3202
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                                                                                          Res, 680 ohm, 5%, 1/10W, Metalized Glas 3198 021 56810
  3203
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                                                                                          Res, 68K, 5%, 1/6W, Carbon Film. . . . 3198 011 06830
                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass .
S 3230
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          3237
                                                                               S 3532
                                                                                          Res. PTC, 1R5, Degaussing. . . . . .
                                                                                                                                        2322 662 96753
                                                                                          Res, 15 ohm, 5%, 1/10W, Metalized Glass 3198 021 51590
  3402
                                                                                  3533
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                          Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
Res, 680K, 5%, 1/10W, Metalized Glass. 3198 021 56840
  3403
                                                                                  3535
          Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
                                                                                  3536
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
  3407
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                  3540
                                                                                          Res, 47K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 54730
  3408
          Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                  3541
                                                                                          Res, 2K2, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 52220
  3409
          Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
                                                                                  3542
                                                                                          Res, OR1, 5%, 3/5W, Metal Film . . . .
                                                                                                                                        3198 012 11070
                                                                                          Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
  3410
          Res, 47 ohm, 5%, 1/10\text{W}, Metalized Glass 3198 021 54790
                                                                                  3543
         Res, 39 ohm, 5%, 1/4W, Carbon Film . . 2120 101 74399
Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
Res, 15 ohm, 5%, 2 1/2W, Metal Film . . 3198 012 31590
Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
  3411
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                                                                                          Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
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                                                                                          Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3414
                                                                                          Res, 220 ohm, 20%, 1/2W, Carbon Film . 3198 013 02210
S 3415
                                                                                  3550
                                                                                          Res, 470K, 1%, 3/5W, Metal Film. . . . 2312 915 14704
  3417
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          Res, 68K, 1%, 3/5W, Metal Film . . . 2312 915 16803
Res, 330 ohm, 5%, 1/3W, Metal Film . . . 2306 204 03331
Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230
                                                                                                                                        2312 915 14704
                                                                                          Res, 470K, 1%, 3/5W, Metal Film. . . .
  3418
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                                                                                  3602
                                                                                          Res, 8K2, 5%, 1/10W, Metalized Glass .
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S 3431
                                                                                          Trim Pot, 470 ohm. . . . . . . . . . . . .
                                                                                  3603
                                                                                                                                        2120 368 90118
                                                                                          Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3439
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                  3604
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 1M, 5%, 1/10W, Metalized Glass . 3198 021 51050
  3440
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                                                                                          Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
  3441
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                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                        3198 021 51020
          Res, 470K, 5%, 1/10W, Metalized Glass. 3198 021 54740
  3442
                                                                                  3607
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 52230
  3443
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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                                                                                                                                        3198 021 52230
          Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930 Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                                          3444
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  3445
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          Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                                          Res, 82K, 5%, 1/10W, Metalized Glass.
  3446
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          Res, 22 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03229
s 3447
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                                                                                          Res, 270K, 5%, 1/8W, Metalized Glass .
                                                                                                                                        2322 730 61274
          Res, 10K, 5%, 1/6W, Carbon Film. . . . 3198 011 01030 Res, 8K2, 5%, 1/6W, Carbon Film. . . . 3198 011 08220
  3450
                                                                                  3614
                                                                                          Res, 150K, 1%, 3/5W, Metal Film. . . .
                                                                                                                                        2312 915 11504
                                                                                  3615
                                                                                          Res, 560K, 5%, 1/4W, Carbon Film . . .
                                                                                                                                        2120 101 74564
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                          Res, 470K, 5%, 1/6W, Carbon Film . . .
  3452
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  3454
          Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720 \,
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                                                                                          Res, 1K, 5%, 1/6W, Carbon Film . . . .
                                                                                                                                        3198 011 01020
  3455
          Res, Zero ohm, "Chip" Jumper . . . .
                                                        3198 021 90020
                                                                                  3618
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                        3198 021 51020
          Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3458
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                                                                                          Res, 5K6, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 55620
S 3459
          Res, 1R5, 5%, 1/2W, Metal Film . . . . 2306 207 03158
                                                                                  3620
                                                                                          Res, 3R3, 5%, 1/4W, Carbon Film. . . .
                                                                                                                                        2120 101 74338
          Res, 1R5, 5%, 1/2W, Metal Film . . . .
S 3460
                                                        2306 207 03158
                                                                                  3621
                                                                                          Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
                                                                                                                                        3198 011 01080
          Res, 1R5, 5%, 1/2W, Metal Film . . . .
                                                                                          Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
                                                        2306 207 03158
S 3461
                                                                                                                                        3198 011 01080
                                                                                  3622
          Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                                          Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 52230
  3462
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          Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108 Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                                          Res, 1R5, 5%, 1/3W, Metal Film . . . . Res, 150 ohm, 5%, 1/6W, Carbon Film. .
  3463
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  3464
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                                                                                          Res, 1M, 5%, 1/6W, Carbon Film . . . .
          Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                                  3627
                                                                                                                                        3198 011 01050
                                                                                          Res, 3R3, 5%, 1/4W, Carbon Film. . . .
  3466
          Res, 10 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03109
                                                                                  3628
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          Res, 10 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03109
                                                                                          Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                        3198 021 51020
S 3467
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S 3468
          Res, 6R8, 5%, 1/2W, Metal Film . . . .
                                                        2306 207 03688
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                                                                                          Res, 4K7, 5%, 1/10W, Metalized Glass.
                                                                                                                                        3198 021 54720
  3470
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
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                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 51030
  3471
          Res, 6K8, 5%, 1/10W, Metalized Glass .
                                                        3198 021 56820
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                                                                                          Res, 150K, 5%, 1/10W, Metalized Glass.
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  3472
          Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930
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                                                                                                                                        3198 021 51020
  3473
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
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                                                                                          Res. 1K5, 5%, 1/10W, Metalized Glass.
                                                                                                                                        3198 021 51520
  3474
          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                        3198 021 51030
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                                                                                          Res, 180K, 5%, Metalized Glass....
Res, 470K, 5%, 1/10W, Metalized Glass.
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  3475
          Res, 100 ohm, 5%, 1/6W, Carbon Film. .
                                                        3198 011 01010
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                                                                                                                                        3198 021 54740
          Res, 220K, 5%, 1/6W, Carbon Film . . . 3198 011 02240 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3476
                                                                                  3640
                                                                                          Res, 22K, 5%, 1/6W, Carbon Film. . . .
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  3477
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                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 51030
          Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                                  3642
                                                                                          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                        3198 021 51030
  3478
          Res, 100 ohm, 5%, 1 1/3W, Metal Film . 3198 012 21010
                                                                                  3643
                                                                                          Res, 33K, 5%, 1/10W, Metalized Glass . 3198 021 53330
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Res, Zero ohm, "Chip" Jumper . . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 330K, 5%, 1/6W, Carbon Film . . . 3198 011 03340
                                                                                                         4415
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          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
3652
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                                                                                                                   Res, Zero ohm,
                                                                                                                                          "Chip" Jumper . . . . .
                                                                                                                                                                                3198 021 90020
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                                                                         "Chip" Jumper
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3653
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                                                                                                                   Res, Zero ohm,
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3654
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3654
          LED
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3654
          LED
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                                                                                                                                                                                3198 021 90020
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
3661
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3663
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3701
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3702
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                                                                                                                   Res, Zero ohm,
          Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220 Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220
3705
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3706
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          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
3710
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3711
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3714
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
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3715
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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                                                                                                                                                                                3198 021 90020
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3716
          Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
                                                                                                         4724
                                                                                                                                                                                3198 021 90020
                                                                                                                                          "Chip" Jumper
"Chip" Jumper
"Chip" Jumper
"Chip" Jumper
"Chip" Jumper
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
3717
                                                                                                         4901
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                                                                                                                   Res, Zero ohm,
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3730
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                                                                                                                   Res, Zero ohm,
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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3731
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                                                                                                                   Res, Zero ohm,
3732
          Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
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                                                                                                                   Res, Zero ohm,
                                                                                                                                                                                3198 021 90020
                                                                                                                                          "Chip" Jumper . . . . . "Chip" Jumper . . . . .
3733
          Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
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                                                                                                                                                                                3198 021 90020
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
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3734
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                                                                                                                  Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
3735
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3736
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3737
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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3738
          Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
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3739
          Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
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                                                                                                                                                                                3198 021 90020
3740
                                                                                                                                                                                3198 021 90020
          Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
                                                                                                         4921
          Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
3741
                                                                                                                                                                                3198 021 90020
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3742
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3743
                                                                                                                                                                                3198 021 90020
                                                                                                         4926
3744
          Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
                                                                                                         4927
                                                                                                                                                                                3198 021 90020
3745
          Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
                                                                                                         4928
                                                                                                                                                                                3198 021 90020
3750
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                                                         4929
                                                                                                                                          "Chip" Jumper . . . . .
                                                                                                                                                                                3198 021 90020
                                                                                                                   Res, Zero ohm,
                                                                                                                   Res, Zero ohm, "Chip" Jumper . . . .
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040 Res, 100K, 5%, 1/10W, Metalized Glass. 3198 021 51040
                                                                                                                  3756
                                                                                                         4930
                                                                                                                                                                                3198 021 90020
3757
                                                                                                         4932
                                                                                                                                                                                3198 021 90020
3758
                                                                                                         4933
                                                                                                                                                                                3198 021 90020
          Res, 8R2, 5%, 1/8W, Metalized Glass. . 2322 730 61828
3762
                                                                                                         4934
                                                                                                                                                                                3198 021 90020
          Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
3765
                                                                                                         4935
                                                                                                                                                                                3198 021 90020
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 150K, 5%, 1/10W, Metalized Glass. 3198 021 51540
3770
                                                                                                                                                                                3198 021 90020
                                                                                                         4937
3773
                                                                                                                                                                                3198 021 90020
                                                                                                         4938
3789
          Res, 8R2, 5%, 1/8W, Metalized Glass. . 2322 730 61828
                                                                                                         4939
                                                                                                                                                                                3198 021 90020
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
3790
                                                                                                         4941
                                                                                                                                                                                3198 021 90020
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                                                                   Res, Zero ohm, "Chip" Jumper . . . . .
3792
                                                                                                         4945
                                                                                                                                                                                3198 021 90020
                                                                                                                   Res, Zero ohm, "Chip" Jumper
Res, Zero ohm, "Chip" Jumper
Res, Zero ohm, "Chip" Jumper
Standby Power Transformer
Coil, 8u2.
Ferrite Bead, 50MHz.
Ferrite Bead, 100MHz
Coil, 1u
Ferrite Bead, 100MHz
Ferrite Bead, 100MHz
Coil, 680n
3908
                                                                                                         4946
                                                                                                                                                                                3198 021 90020
3909
                                                                                                         4947
                                                                                                                                                                                3198 021 90020
3910
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                                     S 5101
                                                                                                                                                                                2422 531 02449
3911
          Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                                                         5102
                                                                                                                                                                                3198 018 28280
3912
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                                                         5103
                                                                                                                                                                                2422 535 95748
          Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
3913
                                                                                                                                                                                3198 018 90020
                                                                                                         5104
3914
                                                                                                                                                                                2422 535 95748
                                                                                                         5105
          Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
3915
                                                                                                         5106
                                                                                                                                                                                3198 018 11080
3919
                                                                                                                                                                                3198 018 90020
                                                                                                         5110
3920
                                                                                                         5115
                                                                                                                                                                                3198 018 90020
          Res, 6R8, 5%, 1/3W, Metal Film . . . 2306 204 03688
                                                                                                                   Coil, 680n . . . . . . . . . . . . . . . . .
                                                                                                                                                                                3198 018 16870
3925
                                                                                                         5120
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
3928
                                                                                                         5200
                                                                                                                    Coil, 6u8. .
                                                                                                                                                                                2422 535 94267
                                                                                                                   Inductor, 100MHz, 600 ohm. . . . . . Inductor, 100MHz, 600 ohm. . . . . . Inductor, 100MHz, 600 ohm. . . . . .
3929
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                         5203
                                                                                                                                                                                3198 018 90080
3930
          Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
                                                                                                         5204
                                                                                                                                                                                3198 018 90080
                                                                                                                   Inductor, 100MHz, 600 ohm.

Coil, 33u.

Transformer, Driver, S16944.

Coil, 560n.

Coil, 6u.

Bridge Coil, W7132-004

Coil, 2u4.

Line Output Transformer.

Ferrite Bead, 100MHz

Ferrite Bead, 100MHz

Ferrite Bead, 100MHz

Coil, 68u.

Coil, 18u.

Coil, 68u.

Mains Filter

Ferrite Bead, 100MHz

Ferrite Bead, 100MHz

Supply Transformer
          Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
3932
                                                                                                         5205
                                                                                                                                                                                3198 018 90080
3935
          Res, 75 ohm, 5%, 1/6W, Carbon Film .
                                                                                                         5400
                                                                                                                                                                                3198 018 73390
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
3936
                                                                                                     S 5410
                                                                                                                                                                                2422 531 02447
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
3937
                                                                                                         5411
                                                                                                                                                                                2422 535 95339
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
3940
                                                                                                         5421
                                                                                                                                                                                2422 536 00102
3941
                                                                                                         5422
                                                                                                                                                                                2422 531 02357
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K8, 5%, 1/6W, Carbon Film. . . . 3198 011 01820
3944
                                                                                                         5426
                                                                                                                                                                                2422 535 95097
3946
                                                                                                      S 5430
                                                                                                                                                                                2422 531 02557
3950
                                                                                                                                                                                3198 018 90020
                                                                                                         5461
3955
          Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                                         5463
                                                                                                                                                                                3198 018 90020
3970
          Res, 120 ohm, 5%, 1/10W, Metalized Glas 3198 021 51210
                                                                                                         5465
                                                                                                                                                                                3198 018 90020
          Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720 Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
3971
                                                                                                         5466
                                                                                                                                                                                3198 018 76890
3972
                                                                                                         5467
                                                                                                                                                                                3198 018 90020
3975
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 \,
                                                                                                         5468
                                                                                                                                                                                3198 018 72290
          Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
3991
                                                                                                         5469
                                                                                                                                                                                3198 018 11890
3992
                                                                                                         5494
                                                                                                                                                                                2422 535 94095
3993
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                                     S 5503
                                                                                                                                                                                2422 549 44362
          3995
                                                                                                         5505
                                                                                                                                                                                3198 018 90020
                                                                                                                   Supply Transformer . . . . . . . . . . . .
3996
                                                                                                     S 5506
                                                                                                                                                                                2422 531 98042
                                                                                                                   3997
          Wire Jumper. . .
                                                                       3198 036 90010
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                                                                                                         5507

      Wire Jumper
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4102
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4401
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4402
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                                                                                                                                                                                2422 535 95444
                                                                                                                   9337 234 00133
4403
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4405
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                                                                                                                                                                                3198 010 21590
4406
                                                                                                         6106
                                                                                                                                                                                9331 669 60133
                                                                                                                   Diode, BAT85 . . . . . . . . . . . . . . . .
4407
                                                                                                         6108
                                                                                                                                                                                9336 247 60133
          Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
4408
                                                                                                         6110
                                                                                                                   Diode, BAT85 . .
                                                                                                                                                                                9336 247 60133
                                                                                                                   4409
                                                                                                         6111
                                                                                                                                                                                9322 161 78682
          Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
                                                                                                                   4410
                                                                                                         6120
                                                                                                         6121
4412
          Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
                                                                                                       6122
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6124	Diode, BAT85	9336 247 60133	S 7610	Optical Coupler, TCDT1102G	9319 002 76682
6200	Zener Diode, 33 volt	3198 020 53390	S 7613	Optical Coupler, TCDT1102G	9319 002 76682
6204	Zener Diode, 6.8 volt	3198 020 56880	7620	IC, TDA8177	9322 066 43687
6205	Zener Diode, 6.8 volt	3198 020 56880	7640	Transistor, NPN, BC847B(COL)	3198 010 42030
6206	Zener Diode, 6.8 volt	3198 020 56880	7641	Transistor, NPN, BC847B(COL)	3198 010 42030
6207	Zener Diode, 6.8 volt	3198 020 56880	7652	Transistor, NPN, BC847B(COL)	3198 010 42030
6405	Zener Diode, 33 volt	3198 020 53390	7653	Transistor, NPN, BC847B(COL)	3198 010 42030
6406	Diode, BAS316	3198 010 10630	7654	Transistor, PNP, BC857B(COL)	3198 010 42150
6407	Diode, BAS316	3198 010 10630	7655	Transistor, NPN, BC847B(COL)	3198 010 42030
6408	Diode, Rect, BYD33D	9337 234 00133	7702	Transistor, NPN, BC847B(COL)	3198 010 42030
6421	Diode, Rect, BY359X-1500	9340 303 30127	7720	Transistor, NPN, BC847B(COL)	3198 010 42030
6422	Diode, Rect, BY229X-600	9340 380 20127	7721	Transistor, NPN, BC847B(COL)	3198 010 42030
6436	Diode, Rect, BYD33J	9337 234 20133	7722	Transistor, PNP, BC857B(COL)	3198 010 42150
6437	Diode, Rect, BYD33J		7723	Transistor, PNP, BC857B(COL)	3198 010 42150
6440	Diode, BAS316		7724	Transistor, NPN, BC847B(COL)	3198 010 42030
6441	Diode, BAS316		7725	Transistor, NPN, BC847B(COL)	
6442	Zener Diode, 15 volt		7730	Transistor, NPN, BC847B(COL)	
6451	Diode, BAS316		7731	Transistor, PNP, BC857B(COL)	
6452	Diode, BAS316		7732	Transistor, NPN, BC847B(COL)	
6453	Diode, BAS316		7750	IC, TDA2616	9350 403 20112
6454	Zener Diode, 33 volt		7901	Transistor, NPN, BC547B(COL)	3198 020 40030
6456	Zener Diode, 33 volt		7902	Transistor, NPN, BC337-25(COL)	3198 020 43530
6461	Diode, Rect, BYV29X-500		7905	Transistor, NPN, BC368	9332 592 40126
6463	Diode, Rect, BYV29X-500		7906	IC, L4940V85	9322 005 46687
6465	Diode, Rect, BYV29X-500		7907	Transistor, NPN, BC847B(COL)	3198 010 42030
6466	Diode, Rect, BYV29X-500		7908	Transistor, PNP, BC857B(COL)	3198 010 42150
6468	Diode, Rect, BYD33D		7909	Transistor, PNP, BC857B(COL)	3198 010 42150
6480	Diode, Rect, BYD33D		8203	Cable, 4 Pin, 340mm	3104 311 05481
6481	Zener Diode, 18 volt		8204	Cable, 6 Pin, 220mm	3104 311 05471
6482	Diode, BAS316		8317	Cable, 2 Pin, 340mm	3104 311 01431
6492	Diode, BAS316		8324	Cable, 7 Pin, 560mm	3104 311 05411
6493	Zener Diode, 47 volt		8340	Cable, 11 Pin 480mm	3104 311 05431
6499	Zener Diode, 6.8 volt		8392	Cable, 3 Pin, 220mm	3104 311 04171
6505	Zener Diode, 15 volt		8920	Cable, 5 Pin, 400mm	3104 301 07674
6506	Diode, 1N4148	3198 010 10010	8921	Cable, 3 Pin, 400mm	3104 311 03082
6507	Diode, Rect, BYV28-200/24	9340 550 66112	8936	Cable, 11 Pin, 820mm	3104 311 01181
6508	Diode, Rect, BYV28-400/20	9340 549 39112	8937	Cable, 10 Pin, 340mm	3104 301 09841
6510	Zener Diode, 15 volt	3198 010 51590	8951	Cable, 5 Pin, 340mm	3104 311 03491
6511	Diode, BAS316	3198 010 10630	9101	Wire Jumper	3198 036 90010
6512	Diode, BAS316	3198 010 10630	9102	Wire Jumper	3198 036 90010
6513	Diode, Bridge Rect, REC GBU4K	3198 010 10640	9113	Wire Jumper	3198 036 90010
6514	Zener Diode, 200 volt	9336 018 20133	9203	Wire Jumper	3198 036 90010
6515	Zener Diode, 5.6 volt	9335 005 90133	9204	Wire Jumper	3198 036 90010
6516	Diode, BAS316		9206	Wire Jumper	3198 036 90010
6517	Diode, BAT85		9210	Wire Jumper	3198 036 90010
6518	Diode, BAS316		9212	Wire Jumper	3198 036 90010
6519	Diode, Rect, BYD33D		9217	Wire Jumper	3198 036 90010
6600	Diode, 1N4148		9219	Wire Jumper	3198 036 90010
6616	Diode, BAS316		9221	Wire Jumper	3198 036 90010
6617	Diode, 1N4148		9222	Wire Jumper	3198 036 90010
6619	Diode, Rect, BYD33D		9224	Wire Jumper	3198 036 90010
6620	Diode, Rect, BYV27-200		9226	Wire Jumper	3198 036 90010
6623	Diode, BAS316		9228	Wire Jumper	3198 036 90010
6636	Diode, BAS316		9220		3198 036 90010
6660	Diode, BAT85		9230	Wire Jumper	3198 036 90010
6665	Diode, BAS316		9231	Wire Jumper	
6731	Diode, BAS316		9232	Wire Jumper	
6732	Diode, BAS316			<u> </u>	
6900	Diode, BAS316		9302 9401	Wire Jumper	
6901	Diode, 1PS76SB10		9401	Wire Jumper	
6901	Diode, 1PS76SB10		9402	-	
				Wire Jumper	
6903 6904	Diode, 1PS76SB10		9404 9405	Wire Jumper	
			9406		
7100 7101	Transistor, PNP, BC557B(COL) Transistor, NPN, BC547B(COL)		9406	Wire Jumper	
7101	Power FET, STP3NB60FP		9412	Wire Jumper	
5 7104	Optical Coupler, TCDT1102G		9412	Wire Jumper	
7228	Transistor, NPN, PMBT2369(UAW)		9414	Wire Jumper	
7407	Transistor, NPN, BC847B(COL)		9410	Wire Jumper	
7407	Transistor, NPN, BC368		9419	Wire Jumper	
7408	Transistor, NPN, BC308		9421	Wire Jumper	
7409	Transistor, NPN, BC847B(COL) Transistor, NPN, BU2527DX		9423	Wire Jumper	
7440	IC, LM358N		9425 9428	Wire Jumper	
7441				Wire Jumper	
7442	Transistor, PNP, BC557B(COL)		9429	Wire Jumper	
7452	Transistor, NPN, BC847B(COL)		9430	Wire Jumper	
7480	Power FET, STP3NB60FP		9431	Wire Jumper	
7481	Transistor, PNP, BC557B(COL)		9435	Wire Jumper	
S 7482	Optical Coupler, TCDT1102G		9436	Wire Jumper	3198 036 90010
7501	Transistor, PNP, BC857B(COL)		9505	Wire Jumper	
7502	Transistor, NPN, BF487		9510	Wire Jumper	
7504	Power FET, STP5NB40		9512	Wire Jumper	
7505	Transistor, PNP, BC857B(COL)		9513	Wire Jumper	
7506	IC TL431ACZ-AP S (ST00) A		9515	Wire Jumper	
7510	Transistor, NPN, BC847B(COL)		9516	Wire Jumper	
7528	Transistor, NPN, BC337-25(COL)		9518	Wire Jumper	
7529	Transistor, NPN, BC847B(COL)		9519	Wire Jumper	
7600	Transistor, NPN, BC546B		9520	Wire Jumper	
7602	Transistor, NPN, BC847B(COL)		9523	Wire Jumper	
7603	Transistor, PNP, BC857B(COL)		9524	Wire Jumper	
7605	Transistor, NPN, BC847B(COL)		9525	Wire Jumper	
7606	Transistor, NPN, BC847B(COL)	3198 010 42030	9528	Wire Jumper	3198 036 90010
7606					

9622 9623				and the second second	
	=	3198 036 90010	1680	6 Pin Board Connector	2422 025 16961
0705	Wire Jumper	3198 036 90010	1681	3 Pin Board Connector	2422 025 17103
9705	Wire Jumper	3198 036 90010	1682	10 Pin Board Connector	2422 025 16729
9706	Wire Jumper	3198 036 90010	1701	Crystal, 12MHz	2422 543 89018
9707		3198 036 90010	2001	Cap, 33p, 5%, 50v, Ceramic	
9712	=		2002		
		3198 036 90010		Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
9713		3198 036 90010	2003	Cap, 2n2, 10%, 50v, Ceramic	3198 017 32220
9714	Wire Jumper	3198 036 90010	2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9715	Wire Jumper	3198 036 90010	2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9718		3198 036 90010	2006	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9720		3198 036 90010	2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9721	-	3198 036 90010	2008	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9723	Wire Jumper	3198 036 90010	2009	Cap, 470p, 5%, 50v, Ceramic	3198 016 34710
9724	Wire Jumper	3198 036 90010	2010	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
9726		3198 036 90010	2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
9901		3198 036 90010	2012	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
9902		3198 036 90010	2013	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9903	Wire Jumper	3198 036 90010	2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9904	Wire Jumper	3198 036 90010	2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9906	Wire Jumper	3198 036 90010	2016	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9907		3198 036 90010	2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9908			2020	= · · · · · · · · · · · · · · · · · · ·	
		3198 036 90010		Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9909	Wire Jumper	3198 036 90010	2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9910	Wire Jumper	3198 036 90010	2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9911	Wire Jumper	3198 036 90010	2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9912		3198 036 90010	2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
			2300		
9914		3198 036 90010		Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9916	=	3198 036 90010	2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9917	-	3198 036 90010	2303	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9920	Wire Jumper	3198 036 90010	2304	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
9921		3198 036 90010	2305	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9922		3198 036 90010	2306	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	=				
9925	-	3198 036 90010	2307	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9926	=	3198 036 90010	2308	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
9927	Wire Jumper	3198 036 90010	2313	Cap, 100n, 5%, 16v, Polypropylene	2020 319 90005
9928	Wire Jumper	3198 036 90010	2314	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9931		3198 036 90010	2315	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9932			2317		
		3198 036 90010		Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9933		3198 036 90010	2318	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
9934	Wire Jumper	3198 036 90010	2319	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9936	Wire Jumper	3198 036 90010	2320	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
9943	Wire Jumper	3198 036 90010	2321	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9944		3198 036 90010	2322	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9945	=		2323		
	-	3198 036 90010		Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9946		3198 036 90010	2324	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9947	Wire Jumper	3198 036 90010	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9948	Wire Jumper	3198 036 90010	2328	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
9950	Wire Jumper	3198 036 90010	2329	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9951		3198 036 90010	2330	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9952		3198 036 90010	2331	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9957	Wire Jumper	3198 036 90010	2332	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
9958	Wire Jumper	3198 036 90010	2333	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9960	Wire Jumper	3198 036 90010	2334	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9963	<u> </u>	3198 036 90010	2335	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
9964	Wire Jumper		2336	Cap, 2u2, +80/-20%, 10v, Ceramic	
9965	Wire Jumper		2338	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
9966	Wire Jumper	2100 026 00010	2339	Cap, 100n, 10%, 50v, Ceramic	
000-		3190 030 90010		cap, 10011, 100, 50V, ceramic	
9967	Wire Jumper		2340	Cap, 1001, 100, 500, Ceramic	2222 580 15649
		3198 036 90010		Cap, 10u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090
9968	Wire Jumper	3198 036 90010 3198 036 90010	2341	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 030 41010
9968 9969	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010	2341 2342	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040
9968 9969 9970	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2341 2342 2343	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, +80/-20%, 25v, Ceramic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 023 41040
9968 9969 9970 9971	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2341 2342 2343 2350	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, +80/-20%, 25v, Ceramic Cap, 100n, 10%, 16v, Ceramic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 023 41040 3198 017 31040
9968 9969 9970 9971 9972	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2341 2342 2343	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, +80/-20%, 25v, Ceramic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 023 41040
9968 9969 9970 9971	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2341 2342 2343 2350	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, +80/-20%, 25v, Ceramic Cap, 100n, 10%, 16v, Ceramic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 023 41040 3198 017 31040
9968 9969 9970 9971 9972	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, +80/-20%, 25v, Ceramic Cap, 100n, 10%, 16v, Ceramic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 023 41040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, +80/-20%, 25v, Ceramic Cap, 100n, 10%, 16v, Ceramic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9976	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33020
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, +80/-20%, 25v, Ceramic Cap, 100n, 10%, 16v, Ceramic Cap, 3n3, 10%, 50v, Ceramic Cap, 1p2, 21%, 50v, Ceramic	2222 580 15649 3198 030 41090 3198 037 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33040 3198 017 33040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362	Cap, 10u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 037 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic Cap, 100n, 10%, 16v, Ceramic Cap, 100n, +80/-20%, 25v, Ceramic Cap, 100n, 10%, 16v, Ceramic Cap, 3n3, 10%, 50v, Ceramic Cap, 1p2, 21%, 50v, Ceramic	2222 580 15649 3198 030 41090 3198 037 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33040 3198 017 33040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362	Cap, 10u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 037 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 016 31290 3198 017 34710 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988 9989 9991	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 037 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33040 3198 017 31040 3198 017 34040 3198 017 34040 3198 017 34710 3198 017 34710 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 3n3, 10%, 50v, Ceramic. Cap, 1p2, 21%, 50v, Ceramic. Cap, 1p2, 21%, 50v, Ceramic. Cap, 470p, 10%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 037 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 017 34710 3198 017 31040 3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988 9990 9991 9992	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 037 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31280 3198 016 31280 3198 016 31280 3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988 9990 9991 9992 9993	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368 2369	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 037 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 017 34710 3198 017 31040 3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988 9990 9991 9992	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 037 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31280 3198 016 31280 3198 016 31280 3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9989 9991 9992 9993 9993 9996	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2355 2357 2358 2361 2362 2363 2365 2366 2367 2368 2369 2370	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 037 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988 9990 9991 9992 9993	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368 2369 2370 2371	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, 10%, 50v, Ceramic. Cap, 12p, 21%, 50v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 037 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 016 31290 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368 2369 2370 2371	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31290 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368 2369 2370 2371 2372 2373	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31050 3198 017 31055
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9991 9991 9992 9993 9996 9997 9998 Small Si	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2355 2357 2358 2361 2362 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, 10%, 50v, Ceramic. Cap, 12p, 21%, 50v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 470p, 10%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 10n, 10%, 16v, Ceramic. Cap, 4n7, 10%, 50v, Ceramic. Cap, 10n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41040 3198 017 31040
9968 9969 9970 9971 9972 9975 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368 2369 2370 2371 2372 2373	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31050 3198 017 31055
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si	Wire Jumper. Signal Board Small Signal Board Small Signal Board	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2355 2357 2358 2361 2362 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 1p2, 21%, 50v, Ceramic. Cap, 1p2, 21%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 10n, 10%, 16v, Ceramic. Cap, 22n, 10%, 25v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41040 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si	Wire Jumper. Signal Board Small Signal Board Small Signal Board 2 Pin Board Connector.	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2362 2363 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31290 3198 017 31040 3198 017 32250 3198 017 32230 3198 017 32230
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si	Wire Jumper. Organla Board Small Signal Board Small Signal Board 2 Pin Board Connector. Crystal, 12MHz	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2365 2366 2367 2370 2371 2372 2373 2374 2375 2376 2377	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 32230 3198 017 31040 3198 017 32230 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003	Wire Jumper. Vire	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2355 2357 2358 2361 2362 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2377	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 120n, 10%, 50v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 470p, 10%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 22n, 10%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9988 9990 9991 9992 9993 9996 9997 9998 Small Si	Wire Jumper. Crystal 1 20Hz Fuse, F315MA, 32V. Crystal, 12MHz	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 10n, 10%, 16v, Ceramic. Cap, 22n, 10%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31290 3198 016 31290 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003	Wire Jumper. Cuptal Jumper. Wire Jumper. Wir	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2355 2357 2358 2361 2362 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2377	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 120n, 10%, 50v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 470p, 10%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 22n, 10%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9990 9991 9992 9993 9996 9997 9997 CBA 0302 1001 S 1003 1303	Wire Jumper. Compart Signal Board Small Signal Board	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 12p, 21%, 50v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, 10%, 25v, Ceramic. Cap, 2u2, +80/-20%, 10v, Ceramic. Cap, 100n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31290 3198 016 31290 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003 1303 1304	Wire Jumper. Compart Signal Board Small Signal Board	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2370 2371 2372 2373 2374 2375 2377 2378 2378 2379 2379 2379 2379 2379 2379 2379 2379	Cap, 10u, 20%, 16v, Electrolytic Cap, 100u, 20%, 16v, Electrolytic	2222 580 15649 3198 030 41090 3198 030 41040 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003 1301 1303 1304 1318	Wire Jumper. Vire	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2365 2366 2367 2370 2371 2372 2373 2374 2375 2376 2377 2378 2377 2378 2377 2378 2378 2379 2377 2378 2377 2378 2379 2377 2378 2379 2377 2378 2379 2379 2377 2378 2379 2379 2379 2379 2379 2379 2379 2379	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, 10%, 50v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 470p, 10%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 22n, 10%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41040 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9990 9991 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003 1301 1303 1304 1318 1407	Wire Jumper. Compart Jumper. Wire Jumper. Vire Jumper. Vi	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2370 2371 2372 2373 2374 2375 2376 2377 2378 2378 2378 2384 2395 2397 2401	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 10n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31290 3198 016 31290 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9991 SMAIL Si	Wire Jumper. Compart Signal Board Small Signal Boa	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2377 2378 2371 2372 2373 2374 2375 2376 2377 2378 2376 2377 2378 2379 2379 2379 2379 2379 2379 2379 2379	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, 10%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 10n, 10%, 16v, Ceramic. Cap, 10n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003 1301 1303 1304 1318 1407 1408 1410	Wire Jumper. Compare. Wire Jumper. Vire Jump	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2367 2370 2371 2372 2373 2374 2375 2376 2377 2378 2378 2395 2396 2397 2401 2411	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 12p, 21%, 50v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 100n, 10%, 16v, Cerami	2222 580 15649 3198 030 41090 3198 030 41040 3198 017 31040
9968 9969 9970 9971 9972 9975 9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9991 SMAIL Si	Wire Jumper. Compart Signal Board Small Signal Boa	3198 036 90010 3198 036 90010	2341 2342 2343 2350 2351 2352 2356 2357 2358 2361 2362 2363 2365 2366 2377 2378 2371 2372 2373 2374 2375 2376 2377 2378 2376 2377 2378 2379 2379 2379 2379 2379 2379 2379 2379	Cap, 10u, 20%, 16v, Electrolytic. Cap, 100u, 20%, 16v, Electrolytic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, +80/-20%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 12p, 5%, 50v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 100n, 10%, 25v, Ceramic. Cap, 100n, 10%, 16v, Ceramic. Cap, 10n, 10%, 16v, Ceramic. Cap, 10n, 10%, 16v, Ceramic.	2222 580 15649 3198 030 41090 3198 030 41010 3198 017 31040

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Cap, 47u, 20%, 16v, Electrolytic . . . 3198 030 44790 Cap, 10p, 5%, 50v, Ceramic . . . . . 3198 016 31090 Cap, 150p, 5%, 50v, Ceramic . . . . . 3198 016 31510
                                                                                       2730
                                                                                                Cap, 22n, 10%, 25v, Ceramic. . . . . 3198 017 32230
                                                                                       2731
                                                                                                Cap, 100p, 5%, 50v, Ceramic. . . . .
2420
                                                                                       2733
                                                                                                Cap, 22n, 10%, 25v, Ceramic. . . . .
                                                                                                                                                   3198 017 32230
        2422
                                                                                       2738
                                                                                                Cap, 22n, 10%, 25v, Ceramic. . . . .
                                                                                                                                                   3198 017 32230
2429
                                                                                       2743
                                                                                                Cap, 22n, 10%, 25v, Ceramic. . . . .
                                                                                                                                                   3198 017 32230
2501
                                                                                       2747
                                                                                                Cap, 18p, 5%, 50v, Ceramic . . . . . . Cap, 18p, 5%, 50v, Ceramic . . . . .
                                                                                                                                                  3198 016 31890
2502
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       2748
                                                                                                                                                   3198 016 31890
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       2755
2503
                                                                                                                                                   3198 017 31040
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       2756
                                                                                                                                                   3198 017 31040
2504
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
2505
                                                                                       2758
                                                                                                                                                   3198 017 31040
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       2759
                                                                                                                                                   3198 017 31040
2506
2507
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       2760
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                   3198 017 31040
        Cap, 100u, 20%, 16v, Electrolytic. . . 3198 030 41010
                                                                                                                                                   3198 017 31040
2508
                                                                                       2761
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . .
        Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090 Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090
                                                                                       2762
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
2510
                                                                                                                                                   3198 017 31040
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2511
                                                                                       2763
                                                                                                                                                   3198 017 31040
2512
        Cap, 470n, +80/-20%, 10v, Ceramic. . . 3198 017 44740
                                                                                       2764
                                                                                                                                                  3198 017 31040
2550
        Cap, 330p, 10%, 50v, Ceramic . . . . . 3198 017 33310
                                                                                       2765
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                                  3198 017 31040
                                                                                                                                                  3198 017 31040
2552
        Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                                       2766
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
        2553
                                                                                       2767
                                                                                                                                                  3198 017 31040
                                                                                       2770
                                                                                                                                                   3198 017 31040
2554
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                                                                                                                                                   3198 017 31040
2555
                                                                                                                                                   3198 017 31040
2562
                                                                                       2772
2563
                                                                                       2773
                                                                                                                                                  3198 016 31020
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                                   3198 017 31040
2564
        Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                       2774
        2565
                                                                                       2776
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                   3198 017 31040
2566
                                                                                       2785
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                  3198 017 31040
        Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2567
                                                                                       2786
                                                                                                                                                   3198 017 31040
2568
                                                                                       2788
                                                                                                                                                  3198 017 31040
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . .
2569
                                                                                       2790
                                                                                                                                                   3198 017 31040
2570
                                                                                       2792
                                                                                                                                                   3198 017 31040
        Cap, 100n, 10%, 16v, Ceramic . . . . .
2571
                                                                                       2795
                                                                                                                                                  3198 017 31040
2574
                                                                                       2796
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                                   3198 017 31040
                                                                                                Cap, 680p, 5%, 25v, Ceramic . . . . 3198 016 36810 Cap, 10u, 20%, 16v, Electrolytic . . . 2020 021 91556
2575
                                                                                       2798
                                                                                       2799
        Cap, 100n, 10%, 16v, Ceramic . . . . .
2577
                                                                                       2908
                                                                                                                                                  3198 017 31040
2578
                                                                                       2909
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                   3198 017 31040
        2579
                                                                                       2910
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                  3198 017 31040
2584
                                                                                       2911
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
        2585
                                                                                       2912
                                                                                                Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                                  3198 017 31040
2586
                                                                                       3001
                                                                                                Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                                                  3198 021 34720
2591
                                                                                       3002
                                                                                                Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
                                                                                                Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2593
                                                                                       3003
                                                                                       3004
                                                                                                Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2594
                                                                                                Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2595
                                                                                       3005
                                                                                       3006
                                                                                                Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
        3007
                                                                                                Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 31520
2611
                                                                                       3008
                                                                                                Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                                   3198 021 31030
2634
                                                                                       3009
                                                                                                Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                                                  3198 021 34730
2640
                                                                                       3010
                                                                                                Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                                                  3198 021 34730
                                                                                                Res, 10K, 5%, 1/16W, Metalized Glass .
2643
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       3011
                                                                                                                                                  3198 021 31030
        2644
                                                                                       3012
                                                                                                Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                                                                                                                  3198 021 32220
2645
                                                                                                Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                       3013
                                                                                                                                                  3198 021 31030
                                                                                                Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                                                  3198 021 34720
2646
                                                                                       3014
                                                                                                Res, 470K, 5%, 1/16W, Metalized Glass. 3198 021 34740
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
2649
                                                                                       3015
        Res, 1K, 5%, 1/16W, Metalized Glass. 3198 021 31/10
Res, 1K, 5%, 1/16W, Metalized Glass . 3198 021 34/20
2651
                                                                                       3016
2652
                                                                                       3017
                                                                                                Res, 24K, 1%, 1/16W, Metalized Glass . 2322 704 62403
                                                                                       3018
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2654
                                                                                       3019
2659
                                                                                       3021
                                                                                                Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
        Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 330n, +80/-20%, 25v, Ceramic . . . 2222 910 19856
2660
                                                                                       3026
                                                                                                Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2661
                                                                                       3027
                                                                                                Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2662
        Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                       3028
                                                                                                Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2663
        Cap, 470p, 10%, 50v, Ceramic . . . . . 3198 017 34710
                                                                                       3029
                                                                                                Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
        2664
                                                                                       3030
                                                                                                Res, 4\text{K7}, 5\text{\%}, 1/16\text{W}, Metalized Glass . 3198 021 34720
                                                                                                Res, 4K7, 5%, 1/16W, Metalized Glass .
2665
                                                                                       3031
                                                                                                                                                  3198 021 34720
                                                                                                Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
2666
                                                                                       3032
        Cap, 3p3, 8%, 50v, Ceramic . . . . . 3198 016 33380 Cap, 3p3, 8%, 50v, Ceramic . . . . . 3198 016 33380
2667
                                                                                       3033
                                                                                                Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
                                                                                       3034
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
        Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, ln, 5%, 25v, Ceramic . . . . . 3198 016 31020
                                                                                       3035
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2670
2673
                                                                                       3039
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
        2674
                                                                                       3040
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2677
                                                                                       3041
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                                Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030 Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2678
                                                                                       3042
2679
                                                                                       3043
2680
                                                                                       3044
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2681
                                                                                       3045
                                                                                       3048
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2682
                                                                                       3049
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
        Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                                       3050
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
        Cap, 220p, 5%, 50v, Ceramic. . . . . . 3198 016 32210
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2693
                                                                                       3051
        Cap, 100u, 20%, 16v, Electrolytic. . . . 3198 016 31020 Cap, 1010 20%, 16v, Electrolytic. . . 3198 030 41010 Cap, 1010 20% 16v 71 200 16v 71 20
2694
                                                                                       3052
                                                                                                Res, 6K8, 5%, 1/16W, Metalized Glass . 3198 021 36820
2695
                                                                                       3053
                                                                                                Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                                  3198 021 31030
2702
        Cap, 10u, 20%, 16v, Electrolytic . . . 2020 021 91556
                                                                                       3056
                                                                                                Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730
2704
        Cap, 10u, 20%, 16v, Electrolytic . . . 2020 021 91556
                                                                                       3057
                                                                                                Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730
                                                                                                Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
2706
        Cap, 100u, 20%, 16v, Electrolytic. . .
                                                           2020 021 91555
                                                                                       3058
2708
        Cap, 10u, 20%, 16v, Electrolytic . . .
                                                           2020 021 91556
                                                                                       3059
                                                                                                Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
2709
        Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                           3198 017 31040
                                                                                       3060
2710
        Cap, 10u, 20%, 16v, Electrolytic . . .
                                                           2020 021 91556
                                                                                       3061
2712
        Cap, 10u, 20%, 16v, Electrolytic . . .
                                                           2020 021 91556
                                                                                       3062
                                                                                                Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
2713
        Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                       3063
                                                                                                Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
        Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                          3198 017 31040
                                                                                       3064
                                                                                                Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
2728
        Cap, 56p, 5%, 50v, Ceramic . . . . . . 3198 016 35690
                                                                                       3065
                                                                                                Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
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Res, 1R5, 5%, 1/8W, Metalized Glass. . 2322 750 61508
                                                                            3418
                                                                                   Res, 390 ohm, 5%, 1/16W, Metalized Glas 3198 021 33910
         Res, 1R5, 5%, 1/8W, Metalized Glass . 2322 750 61508
Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
                                                                                    Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  3074
                                                                            3420
                                                                                    Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                    Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
  3080
         Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                            3436
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         Res, 3R9, 5%, 1/8W, Metalized Glass. . 2322 750 63908
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         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
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         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
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  3384
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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         Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
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  3387
         Res, 680 ohm, 5%, 1/16W, Metalized Glas 3198 021 36810
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         Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730 Res, 18K, 5%, 1/16W, Metalized Glass . 3198 021 31830
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  3397
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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  3401
         Res, 1K, 5%, 1/16W, Metalized Glass. .
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3718	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 02	1 32210	4920	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3725	Res, 1M, 5%, 1/16W, Metalized Glass	3198 02	1 31050	4921	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3728	Res, 100 ohm, 5%, 1/16W, Metalized Glas			4925	Res, Zero ohm, "Chip" Jumper	
3731	Res, 100 ohm, 5%, 1/16W, Metalized Glas			4927	Res, Zero ohm, "Chip" Jumper	
3732	Res, 1K, 5%, 1/16W, Metalized Glass			4928	Res, Zero ohm, "Chip" Jumper	
3733	Res, 100 ohm, 5%, 1/16W, Metalized Glas			4929	Res, Zero ohm, "Chip" Jumper	
3739	Res, 100 ohm, 5%, 1/16W, Metalized Glas			4935	Res, Zero ohm, "Chip" Jumper	
3740	Res, Zero ohm, "Chip" Jumper					
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3741	Res, 1K, 5%, 1/16W, Metalized Glass			4938	Res, Zero ohm, "Chip" Jumper	
3744	Res, 1K, 5%, 1/16W, Metalized Glass			4939	Res, Zero ohm, "Chip" Jumper	
3745	Res, 1K, 5%, 1/16W, Metalized Glass			4944	Res, Zero ohm, "Chip" Jumper	
3746	Res, 4K7, 5%, 1/16W, Metalized Glass .			4945	Res, Zero ohm, "Chip" Jumper	
3747	Res, 68 ohm, 5%, 1/16W, Metalized Glass			4946	Res, Zero ohm, "Chip" Jumper	
3748	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 02	1 36890	4947	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3749	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 02	1 36890	4948	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3754	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 02	1 31090	4949	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3755	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	4950	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3757	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	4951	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3759	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	4952	Res, Zero ohm, "Chip" Jumper	
3790	Resistor Network, 4 X 100 ohm, 5%			4953	Res, Zero ohm, "Chip" Jumper	
3791	Resistor Network, 4 X 100 ohm, 5%			4954	Res, Zero ohm, "Chip" Jumper	
3792	Resistor Network, 4 X 100 ohm, 5%			5301	Coil, 6u8	
3793	Resistor Network, 4 X 100 ohm, 5%			5302	Coil, 6u8	
3794	Resistor Network, 4 X 100 ohm, 5%			5302	Res, Zero ohm, "Chip" Jumper	
3795	Resistor Network, 4 X 100 ohm, 5%			5304	Res, Zero ohm, "Chip" Jumper	
3796				5304	Res, Zero ohm, "Chip" Jumper	
	Res, 100 ohm, 5%, 1/16W, Metalized Glas					
3797	Res, 100 ohm, 5%, 1/16W, Metalized Glas			5306	Res, Zero ohm, "Chip" Jumper	
3900	Inductor, 100MHz, 600 ohm			5307	Res, Zero ohm, "Chip" Jumper	
3901	Inductor, 100MHz, 600 ohm			5308	Res, Zero ohm, "Chip" Jumper	
3902	Inductor, 100MHz, 600 ohm			5309	Res, Zero ohm, "Chip" Jumper	
3903	Inductor, 100MHz, 600 ohm			5401	Coil, 390n	
3904	Inductor, 100MHz, 600 ohm	3198 01	8 90040	5406	Coil, 15u	
3905	Inductor, 100MHz, 600 ohm	3198 01	8 90040	5407	Ferrite Bead, 100MHz	2422 535 95427
3906	Inductor, 100MHz, 600 ohm	3198 01	8 90040	5408	Variable Coil	2422 549 44875
3907	Inductor, 100MHz, 600 ohm	3198 01	8 90040	5409	Ferrite Bead, 100MHz	2422 535 95427
3908	Inductor, 100MHz, 600 ohm	3198 01	8 90040	5410	Coil, 1u	3198 018 51080
3909	Inductor, 100MHz, 600 ohm			5412	Res, Zero ohm, "Chip" Jumper	
3910	Inductor, 100MHz, 600 ohm			5413	Res, Zero ohm, "Chip" Jumper	
3911	Inductor, 100MHz, 600 ohm			5414	Res, Zero ohm, "Chip" Jumper	
4302	Res, Zero ohm, "Chip" Jumper			5651	Ferrite Bead, 100MHz	
4303	Res, Zero ohm, "Chip" Jumper			5652	Ferrite Bead, 100MHz	
4304	Res, Zero ohm, "Chip" Jumper			5653	Ferrite Bead, 100MHz	
4322	Res, Zero ohm, "Chip" Jumper			5654	Inductor, 100MHz, 30 ohm	
4326	Res, Zero ohm, "Chip" Jumper			5656	Coil, 6u8	
4369	Res, Zero ohm, "Chip" Jumper			5657	Res, Zero ohm, "Chip" Jumper	
4401	Res, Zero ohm, "Chip" Jumper			5658	Res, Zero ohm, "Chip" Jumper	
4406	Res, Zero ohm, "Chip" Jumper			5659	Res, Zero ohm, "Chip" Jumper	
4407	Res, Zero ohm, "Chip" Jumper			5660	Res, Zero ohm, "Chip" Jumper	
4409	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	5661	Res, Zero ohm, "Chip" Jumper	
4520	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	5662	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4522	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	5663	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4603	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	5664	Inductor, 100MHz, 30 ohm	3198 018 90060
4604	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	5665	Inductor, 100MHz, 30 ohm	3198 018 90060
4610	Res, Zero ohm, "Chip" Jumper			5666	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4611	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	5667	Res, Zero ohm, "Chip" Jumper	
4613	Res, Zero ohm, "Chip" Jumper			5668	Res, Zero ohm, "Chip" Jumper	
4632	Res, Zero ohm, "Chip" Jumper			5701	Inductor, 100MHz, 600 ohm	
4633	Res, Zero ohm, "Chip" Jumper	3198 02		5702	Ferrite Bead, 100MHz	2422 535 95427
4642	Res, Zero ohm, "Chip" Jumper	3198 02		5703		
4645	Res, Zero ohm, "Chip" Jumper			5705	Ferrite Bead, 100MHz	
4652	Res, Zero ohm, "Chip" Jumper			5706	Coil, 5u6	
4682	Res, Zero ohm, "Chip" Jumper			5707	Inductor, 100MHz, 600 ohm	
4683	Res, Zero ohm, "Chip" Jumper			5711	Inductor, 100MHz, 600 ohm	
4684 4685	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			5713 5718	Inductor, 100MHz, 600 ohm	
4686				5718	Inductor, 100MHz, 600 ohm	
	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			5720		
4687					Inductor, 100MHz, 30 ohm	
4688	Res, Zero ohm, "Chip" Jumper			5799	Inductor, 100MHz, 30 ohm	
4689	Res, Zero ohm, "Chip" Jumper			5900	Inductor, 100MHz, 30 ohm	
4712	Res, Zero ohm, "Chip" Jumper			5901	Inductor, 100MHz, 30 ohm	
4713	Res, Zero ohm, "Chip" Jumper			5902	Inductor, 100MHz, 30 ohm	
4714	Res, Zero ohm, "Chip" Jumper			5903	Inductor, 100MHz, 30 ohm	
4715	Res, Zero ohm, "Chip" Jumper			5904	Inductor, 100MHz, 30 ohm	
4716	Res, Zero ohm, "Chip" Jumper			6003	Diode, BAS316	
4717	Res, Zero ohm, "Chip" Jumper			6303	Zener Diode, 47 volt	
4723	Res, Zero ohm, "Chip" Jumper			6304	Diode, BAS316	
4724	Res, Zero ohm, "Chip" Jumper			6306	Zener Diode, 5.6 volt	
4726	Res, Zero ohm, "Chip" Jumper			6307	Diode, 1PS76SB10	
4732	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	6309	Diode, BAS316	3198 010 10630
4734	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	6310	Zener Diode, 6.8 volt	3198 020 56880
4792	Res, Zero ohm, "Chip" Jumper			6311	Zener Diode, 22 volt	
4793	Res, Zero ohm, "Chip" Jumper			6312	Diode, BAS316	
4901	Res, Zero ohm, "Chip" Jumper			6313		
4902	Res, Zero ohm, "Chip" Jumper			6314	Diode, BAS316	
4903	Res, Zero ohm, "Chip" Jumper			6315	Diode, BAS316	
4904	Res, Zero ohm, "Chip" Jumper			6316	Diode, BAS316	
4904	Res, Zero ohm, "Chip" Jumper			6317	Diode, BAS316	
4905				6317		
	Res, Zero ohm, "Chip" Jumper				Diode, BAS316	
4907	Res, Zero ohm, "Chip" Jumper			6652	Zener Diode, 10 volt	
4908	Res, Zero ohm, "Chip" Jumper			6654	Diode, BAS316	
4909	Res, Zero ohm, "Chip" Jumper			6657	Zener Diode, 2.7 volt	
4919	Res, Zero ohm, "Chip" Jumper	3198 02	1 90030	6658	Diode, BAS316	3198 010 10630

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Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                             3198 017 31040
                                                                                     2031
                                                                                             Cap, 100n, 10%, 16v, Ceramic . . . . .
  7003
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
                                                                                     2033
                                                                                              Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                              3198 017 31040
  7004
          Transistor, NPN, BC847BW(COL). . . . .
                                                          3198 010 42310
                                                                                     2034
                                                                                              Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                              3198 017 31040
          IC, LD1117D33. .
  7005
                                                          9322 116 74668
                                                                                     2035
                                                                                              Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                              3198 032 55130
  7006
          Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360
                                                                                     2036
                                                                                              Cap, 1u, 20%, 50v, Electrolytic. . . .
                                                                                                                                              3198 030 81080
  7007
          Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360
                                                                                     2037
                                                                                              Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                              3198 017 31040
          IC, LD1117D33. . . . . . . . . . . . . 9322 116 74668 IC, M24C32 . . . . . . . . . . . . . 9322 124 74668
                                                                                              Cap, 100n, 10%, 16v, Ceramic . . . . .
  7009
                                                                                     2041
                                                                                                                                              3198 017 31040
                                                                                             7012
                                                                                                                                              3198 017 31040
                                                                                     2042
          Transistor, NPN, PDTC144EU . . . . . .
                                                          3198 010 44330
                                                                                                                                              3198 030 44790
  7013
                                                                                     2043

      Transistor, NPN, PDTC144EU
      3198 010 44330

      IC, TDA9330H/N3
      9352 681 65518

      Transistor, NPN, BC857BW(COL)
      3198 010 42320

      Transistor, NPN, PDTC144EU
      3198 010 44330

      Transistor, NPN, BC847BW(COL)
      3198 010 42310

      Transistor, NPN, BC847BW(COL)
      3198 010 42310

      Transistor, NPN, PDTC144EU
      3198 010 44330

      Transistor, NPN, PDTC144EU
      3198 010 44320

  7301
                                                                                                                                             3198 017 31040
                                                                                     2044
  7303
                                                                                     2045
                                                                                                                                              3198 017 31040
                                                                                              Cap, 47u, 20%, 16v, Electrolytic . . .
  7304
                                                                                     2046
                                                                                                                                             3198 030 44790
                                                                                              Cap, 100n, 10%, 16v, Ceramic . . . .
  7305
                                                                                     2047
                                                                                                                                              3198 017 31040
                                                                                                                                             3198 017 31040
  7306
                                                                                              Cap, 100n, 10%, 16v, Ceramic .
                                                                                     2048
  7308
                                                                                     2049
                                                                                              Cap, 47u, 20%, 16v, Electrolytic . . .
                                                                                                                                              3198 030 44790
  7309
          Transistor, NPN, PDTC144EU . . . . . . 3198 010 44330
                                                                                     2051
                                                                                              Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                              3198 032 55130
  7310
          Transistor, NPN, PDTC144EU . . . . . . 3198 010 44330
                                                                                     2052
                                                                                             Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                              3198 017 31040
                                                                                             Transistor, NPN, BC847BW(COL). . . . 3198 010 42310 Transistor, NPN, BC847BW(COL). . . . 3198 010 42310 Transistor, NPN, PMBT2369(UAW) . . . 3198 010 43360
  7311
                                                                                     2053
                                                                                                                                             3198 032 55130
  7312
                                                                                                                                              3198 032 55130
                                                                                     2054
                                                                                             Cap, 10u, 20%, 20v, Electrolytic . . .
  7313
                                                                                     2055
                                                                                                                                              3198 032 55130
          Transistor, NPN, BC847BW(COL). . . . 3198 010 42310
Transistor, NPN, PMBT2369(UAW) . . . 3198 010 43360
  7314
                                                                                             Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                              3198 032 55130
                                                                                     2056
  7315
                                                                                     2057
                                                                                              Cap, 150p, 5%, 50v, Ceramic. . . . .
                                                                                                                                              3198 016 31510
          Transistor, NPN, BC857BW(COL). . . . . 3198 010 42320
                                                                                              Cap, 22p, 5%, 50v, Ceramic . . . . .
  7318
                                                                                     2059
                                                                                                                                             3198 016 32290
          Transistor, NPN, BC847BW(COL). . . . 3198 010 42310 Transistor, NPN, BC847BW(COL). . . . 3198 010 42310
  7320
                                                                                     2061
                                                                                              Cap, 22p, 5%, 50v, Ceramic . . . . .
                                                                                                                                              3198 016 32290
  7322
                                                                                             Cap, 150p, 5%, 50v, Ceramic. . . . .
                                                                                                                                             3198 016 31510
                                                                                     2062
                                                                                             Cap, 22p, 5%, 50v, Ceramic . . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
  7323
          IC, TDA9321H/N2. . . . . . . . . . . . . 9352 625 24518
                                                                                     2063
                                                                                                                                              3198 016 32290
          Transistor, NPN, BC847CW . . . . . . . 9340 217 80115
  7324
                                                                                     2064
                                                                                                                                             3198 017 31040
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
                                                                                              Cap, 100n, 10%, 16v, Ceramic . . . . .
  7375
                                                                                     2065
                                                                                                                                             3198 017 31040
          Transistor, NPN, BC847BW(COL). . . . 3198 010 42310 Transistor, NPN, BC847B(COL) . . . 3198 010 42030 Transistor, NPN, BFS20 . . . . 9330 921 11215
  7410
                                                                                                                                             3198 017 31040
                                                                                     2066
                                                                                             Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                             Cap, 22p, 5%, 50v, Ceramic . . . . 3198 016 32290 Cap, 22p, 5%, 50v, Ceramic . . . . 3198 016 32290
  7411
                                                                                     2067
  7413
                                                                                     2068
          Cap, 22p, 5%, 50v, Ceramic . . . . . . 3198 016 32290 Cap, 22p, 5%, 50v, Ceramic . . . . . . 3198 016 32290
  7651
                                                                                     2069
  7664
                                                                                     2070
          Transistor, NPN, BC847BPN. . . . . 9340 425 30115
Transistor, NPN, BC857BW(COL) . . . 3198 010 42320
                                                                                             Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                     3000
                                                                                              Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  7668
                                                                                     3001
          Transistor, NPN, BC847BS . . . . . . . 9340 425 20115
                                                                                             Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7675
                                                                                     3002
  7678
          Transistor, NPN, BC847BS .
                                             . . . . .
                                                         9340 425 20115
                                                                                     3003
                                                                                              Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          Transistor, NPN, BC857BW(COL). . . . . 3198 010 42320 Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310 Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360
  7701
                                                                                     3004
                                                                                             Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  7702
                                                                                     3005
                                                                                             Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  7704
                                                                                     3006
                                                                                             Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          IC, SAA4990H . . . . . . . . . . . . . . . 9352 067 50557
  7708
                                                                                             Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                     3007
  7709
          IC, SAA4978H/V204. . . . . . . . . . . . . 9352 688 09557
                                                                                             Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                     3008
          IC, MSM54V12222B-25JS. . . . . 9322 183 81668 IC, MSM54V12222B-25JS. . . . . . 9322 183 81668
                                                                                             Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  7714
                                                                                     3009
  7715
                                                                                     3010
                                                                                             Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
  7716
          32 Pin IC Socket . . . . . . . . . . . . 2422 486 80938
                                                                                     3011
                                                                                             Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
  7716
          IC, M87C257-90C1 . . . . . . . . . . . . 9322 130 45668
                                                                                     3012
                                                                                              Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7717
          IC, ROM, M87C257 . . .
                                         . . . . . . . 3104 317 03241
                                                                                     3013
                                                                                             Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
  7799
          Software Package, FBX PICNIC . . . . . 3104 317 43241
                                                                                     3014
                                                                                             Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  8302
          Cable, 2 Pin, 180mm. . . . . . . . . . . . 3104 311 03031
                                                                                     3015
                                                                                             Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  8303
          Cable, 5 Pin, 400mm. . . . . . . . . . . . . 3104 311 05381
                                                                                     3016
                                                                                             Res, 33 ohm, 5%, 1/16W, Metalized Glass 3198 021 33390
          Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710 Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  8304
                                                                                     3017
  8680
                                                                                     3018
                                                                                             Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790 Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  8681
                                                                                     3019
                                                                                     3020
  8682
                                                                                     3021
                                                                                             Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                             Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                     3022
3D Comb Filter
          3D Comb Filter
                                                                                     3023
                                                                                             Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210

      3D Comb Filter
      3135 037 10301

      Crystal, 20MHz
      2422 543 01273

      5 Pin Board Connector
      2422 025 15848

                                                                                             Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  CBA
                                                                                     3024
                                                                                     3025
                                                                                             Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
  1001
  1104
                                                                                     3026
                                                                                             Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
          1303
                                                                                     3027
                                                                                             Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                             Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
  1951
                                                                                     3028
  2000
          Cap, 22p, 5%, 50v, Ceramic . . . . . . 3198 016 32290
                                                                                     3029
                                                                                             Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 47u, 20%, 20v, Electrolytic . . . 3198 032 58170 Cap, 22p, 5%, 50v, Ceramic . . . . . . . . . . 3198 016 32290
                                                                                             Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
                                                                                     3030
  2001
                                                                                             Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230
Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230
                                                                                     3031
  2002
  2003
                                                                                     3032
          Cap, 100u, 20%, 16v, Electrolytic. . . 3198 030 41010
                                                                                     3033
                                                                                             Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
  2004
                                                                                              Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
  2005
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                     3034
          Cap, 47u, 20%, 20v, Electrolytic . . . 3198 032 58170
                                                                                     3035
                                                                                             Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
          Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                     3036
                                                                                             Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
  2008
          Cap, 1u, 20%, 50v, Electrolytic. . . . 3198 030 81080
                                                                                     3037
                                                                                             Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2009
  2010
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                     3038
                                                                                             Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2011
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                     3039
                                                                                             Res. 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                             Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                     3040
  2012
                                                                                             Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
                                                                                     3041
  2013
          Cap, 10n, 10%, 50v, Ceramic. . . . . 3198 017 31030
                                                                                             Res, 3K3, 1%, 1/16W, Metalized Glass . 2322 704 73302
Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 31520
                                                                                     3042
  2014
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                     3043
  2015
  2016
          Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 31030
                                                                                     3044
                                                                                             Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                              Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
          Cap, 150p, 5%, 50v, Ceramic. . . . .
                                                          3198 016 31510
                                                                                     3055
                                                                                             Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
          Cap, 150p, 5%, 50v, Ceramic. . . . . 3198 016 31510
                                                                                     3056
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                     3057
  2019
  2020
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                     3058
                                                                                             Res, 220K, 5%, 1/16W, Metalized Glass. 3198 021 32240
  2021
          Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                          3198 017 31040
                                                                                     3059
                                                                                             Res, 27K, 5%, 1/16W, Metalized Glass . 3198 021 32730
                                                                                             Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710 Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
          Cap, 22p, 5%, 50v, Ceramic . . . . . . Cap, 22p, 5%, 50v, Ceramic . . . . .
  2022
                                                          3198 016 32290
                                                                                     3060
                                                                                     3061
  2023
                                                          3198 016 32290
                                                                                             Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                     3065
  2024
                                                          3198 017 31040
          Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                              Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                                          3198 017 31040
                                                                                     3067
  2026
                                                          3198 017 31040
                                                                                     3068
                                                                                              Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  2027
                                                                                             Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
Res, 1K5, 5%, 1/16W, Metalized Glass. 3198 021 31520
Res, 2K7, 5%, 1/16W, Metalized Glass. 3198 021 32720
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
  2028
                                                                                     3071
  2029
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                     3072
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3073 3074 3076 3077 3082 3083 3085 3089 3091 3095 3096 3097 3098 3099 3100 3101 3102 S 3103 S 3104	Res, 1K, 5%, 1/16W, Metalized Glass Res, 100 ohm, 5%, 1/16W, Metalized Glas Res, PTC, Overload Protection Res, PTC, Overload Protection Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 3198 021	33310 31020 32210 34790 34790 34710 31020 31510 31090 31040 31820 35620 34710 31020 31010 00139 00139 35610	3287 3288 3289 3291 3292 3293 3294 3295 3296 3297 4241 4243 6291 6292 6293 6294 6296 6297 9231	Res, 75 ohm, 5%, 1/6W, Carbon Film	01090 01820 01020 54730 01020 54730 03920 51030 90020 90020 51290 51290 51290 51290 51290 51290
5000 5001	Coil, 100MHz, 120 ohm	3198 018	90070	Top Cont	rol Panel Top Control Panel	
5003 5004		2422 549 2422 549		Top Cont	rol Panel	
5005	Coil, 10u			_	Top Control Panel	
5006 5007		2422 549 3198 018		CBA 0158	Top Control Panel	
5008	Coil, 22u	3198 018	72290	0215	3 Pin Board Connector 2422 025 0	
5009 5010	Coil, 22u	3198 018 2422 535		1091	Switch	
5011		3198 018		1092 1093	Switch	
5012		3198 018		1094	Switch 2422 128 0	
5013 5014	Coil, 100MHz, 120 ohm	3198 018 3198 018		2010 3091	Cap, 10n, 10%, 50v, Ceramic 3198 017 (Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 3	
5015	Inductor, 100MHz, 30 ohm	3198 018		3092	Res, 390 ohm, 5%, 1/16W, Metalized Glas 3198 021 3	
5017 5019	Coil, 100MHz, 120 ohm	3198 018		3093	Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 3	
5019	Coil, 10u	3198 018 3198 018		3094 3095	Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 3 Res, 3K3, 5%, 1/16W, Metalized Glass . 3198 021 3	
5021	Coil, 100MHz, 120 ohm	3198 018		3096	Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 3	31520
5022 5024	Coil, 100MHz, 120 ohm	3198 018 3198 018		4089 4090	Res, Zero ohm, "Chip" Jumper 3198 021 9 Res, Zero ohm, "Chip" Jumper 3198 021 9	
5025	Coil, 100MHz, 120 ohm	3198 018	90070	6091	Diode, BAT254 9340 393 (
5027 5028	Coil, 100MHz, 120 ohm	3198 018 3198 018		Da chift	Panel	
5029	Coil, 100MHz, 120 ohm	3198 018		DC Shift	DC Shift Panel	
5030 6000	Coil, 100MHz, 120 ohm	3198 018		CBA	DC Shift Panel	
6001	Diode, BAV99	3198 010 3198 010		0317 0318	2 Pin Board Connector	
6002	Diode, BAV99	3198 010		S 1430	Fuse, 400MA, 65V 2422 086 1	L0581
6003 6004		9322 072 9322 128		2430 2431	Cap, 470p, 10%, 500V, Ceramic 4822 122 3 Cap, 470p, 10%, 500V, Ceramic 4822 122 3	
6005	Diode, Rect, SM S1D	9322 128	69685	5430	DC Shift Coil	
6006 6007	Diode, 1PS76SB10	9340 453 9335 262		6432 6433	Diode, Rect, BYD33V 9340 317 (Diode, Rect, BYD33V 9340 317 (
7000	Transistor, NPN, BC847B	9335 895	90215	0455	blode, Rect, Bibbsv	70133
7001 7002	Transistor, PNP, BC857B Transistor, NPN, BF570			DAF Pane		
7003	Transistor, PNP, BC857B	9335 897		CBA	DAF Panel DAF Panel	20672
7004 7005	Transistor, NPN, BC847B	9335 895 9335 897		1417	2 Pin Board Connector	
7006	Transistor, NPN, BF570	9338 144		1418 1419	2 Pin Board Connector	
7007 7008	Transistor, PNP, BC857B Transistor, NPN, BC847B	9335 897 9335 895		1492	3 Pin Board Connector 2422 025 1	L6382
7009	Transistor, PNP, BC857B	9335 897		1497 1693	Contact Pin	
7010 7011	• •	9335 895 9335 895		2800	Cap, 330p, 5%, 2000v, Polypropylene 2222 375 9	0495
7011	Transistor, NPN, BC847B Transistor, PNP, BF550	9335 895 9334 509		2809 2812	Cap, 100u, 20%, 25v, Electrolytic 3198 025 3 Cap, 10n, 5%, 2000v, Polypropylene 2222 375 9	
7015	Transistor, NPN, BC847B	9335 895		2813	Cap, 10u, 20%, 50v, Electrolytic 3198 025 5	51090
7016 7017	Transistor, PNP, BC857B Transistor, NPN, BC847B	9335 897 9335 895		2814 2818	Cap, 1n, 5%, 2000v, Polypropylene 2222 375 9 Cap, 10n, 10%, 50v, Ceramic 3198 017 0	
7019	IC, LM809M3X	9322 163		2820	Cap, 220n, 10%, 50v, Polyester 3198 014 0	
7020 7021		9335 895 9322 134		2821	Cap, 68n, 5%, 400v, Metalized Polypropy	00166
7022	IC, LD1117DT25	9322 160	50668	2822	lene	
7023	IC, UPD64083GF	9322 170	65671	2823	Cap, 4u7, 20%, 50v, Electrolytic 3198 025 5	54780
Side A/V	Panel			2824 2825	Cap, 10u, 20%, 50v, Electrolytic 3198 025 5 Cap, 1u, 10%, 50v, Polyester 3198 014 0	
CBA	Side A/V Panel Side A/V Panel	3139 137	20041	2890	Cap, 390p, 5%, 2000v, Polypropylene 2222 375 9	0188
0240	11 Pin Board Connector	2422 025		2892 S 3807	Cap, 4u7, 20%, 50v, Electrolytic 3198 025 5 Res, 15 ohm, 5%, 1/3W, Metal Film 2306 204 0	
1254	Headphone Jack	2422 026		S 3808	Res, 15 ohm, 5%, 1/3W, Metal Film 2306 204 0	3159
1255 1256	3 Pin Cinch Jack	2422 026 2422 026		S 3809 3810	Res, 10 ohm, 5%, 1/3W, Metal Film 2306 204 (Res, 470K, 5%, 1/2W, Metalized Glass . 2322 242 1	
2286	Cap, 150p, 10%, 50v, Ceramic	3198 019	11510	3811	Res, 4M7, 5%, 1/4W, Metalized Glass 2322 241 5	3475
2288 2292	Cap, 150p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic	3198 019 3198 019		3812 3813	Res, 27K, 5%, 1/6W, Carbon Film 3198 011 (Res, 470K, 5%, 1/6W, Carbon Film 3198 011 (
2294	Cap, 470p, 10%, 50v, Ceramic	3198 019	14710	3813	Res, 100K, 5%, 1/4W, Metalized Glass . 2322 241 5	
2296 2297	Cap, 4n7, +80/-20%, 50v, Ceramic Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 3198 019		3815	Res, 1K, 5%, 1/6W, Carbon Film 3198 011 0	
3285	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011		3816 3818	Res, 6K8, 5%, 1/6W, Carbon Film 3198 011 0 Res, 1K, 5%, 1/10W, Metalized Glass 3198 021 5	
3286	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011	01090	3819	Res, 1K, 5%, 1/10W, Metalized Glass 3198 021 5	

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Res, 3K3, 5%, 1/10W, Metalized Glass . 3198 021 53320 Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                                        Cap, 47p, 5%, 50v, Ceramic . . . . .
                                                                                               2895
                                                                                                                                                             3198 019 04790
                                                                                                        Cap, 220u, 20%, 25v, Electrolytic. . .
                                                                                               2897
                                                                                                        Cap, 100n, 10%, 50v, Polyester . . . .
  3822
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                                                                                                                                                              3198 014 01040
           Res, 1K8, 5%, 1/10W, Metalized Glass . 3198 021 51820 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
  3823
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                                                                                                        Cap, 100n, 10%, 16v, Ceramic . .
                                                                                                                                                              3198 017 01040
  3824
                                                                                               2915
                                                                                                        Cap, 100u, 20%, 25v, Electrolytic. . .
                                                                                                                                                             3198 025 31010
  3826
           Res, 12K, 5%, 1/10W, Metalized Glass . 3198 021 51230
                                                                                               2916
                                                                                                        Cap, 1n, 10%, 50v, Ceramic . . . . .
                                                                                                                                                             3198 017 01020
                                                                                                        Cap, 100u, 20%, 25v, Electrolytic. . .
  3827
           Res, 5K6, 5%, 1/10W, Metalized Glass . 3198 021 55620
                                                                                               2917
                                                                                                                                                              3198 025 31010
                                                                                                        Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
  3830
                                                                                               2920
                                                                                                                                                              3198 023 04730
           Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 \,
                                                                                                                                                              3198 017 01040
  3831
                                                                                               2921
           Res, 1K8, 5%, 1/10W, Metalized Glass .
                                                                3198 021 51820
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  3832
  3833
           Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                                                                                             3198 017 01040
                                                                                               2924
S 3898
            VDR, 1100V . . . . . . . . . . . . . . . . 2322 592 14217
                                                                                               2925
                                                                                                        Cap, 10u, 20%, 50v, Electrolytic . . .
                                                                                                                                                             3198 025 51090
            VDR, 1100V . . . . . . . . . . . . . .
                                                        . . . 2322 592 14217
                                                                                                        Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                               2926
                                                                                                                                                              3198 017 01040
           Res, 330 ohm, 5%, 1/6W, Carbon Film. . 3198 011 03310 Transformer, DAF, S21975-03. . . . 2422 531 02437 Transformer, Self Correction . . . . 3128 138 38881
                                                                                                        Cap, 470n, 20%, 50v, Electrolytic. . .
  3998
                                                                                               2927
                                                                                                                                                              3198 025 54770
                                                                                                        Cap, 22n, 10%, 50v, Ceramic. . . . .
                                                                                                                                                             3198 017 02230
S 5800
                                                                                               2928
  5801
                                                                                               2929
                                                                                                        Cap, 47n, 10%, 25v, Ceramic. . . . .
                                                                                                                                                             3198 023 04730

      Transformer, Self Correction
      3128 138 38881

      Bridge Coil
      3128 138 40042

      Diode, Rect, BYD33V
      9340 317 00133

      Zener Diode, 22 volt
      3198 010 22290

      Power FET, STP3NB80FP
      9322 136 03687

      Transistor, NPN, BC847B(COL)
      3198 010 42030

      Transistor, NPN, BC857B(COL)
      3198 010 42030

      Transistor, PNP, BC857B(COL)
      3198 010 42030

      Transistor, PNP, BC857B(COL)
      3198 010 42030

  5810
                                                                                               2930
                                                                                                        Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                             3198 017 01040
                                                                                                                                                             3198 017 01040
  6810
                                                                                               2931
                                                                                                        Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                        2932
  6812
  7810
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  7818
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  7820
                                                                                               2935
                                                                                                        Cap, 100u, 20%, 25v, Electrolytic. . .
                                                                                                                                                             3198 025 31010
                                                                                                        Res, Zero ohm, "Chip" Jumper . . . . .
  7821
                                                                                               2936
                                                                                                                                                             3198 021 90020
            Transistor, NPN, BC847B(COL) . . . . . 3198 010 42030
  7822
                                                                                               2937
                                                                                                        Cap, 1u, +80/-20%, 16v, Ceramic. . . .
                                                                                                                                                              3198 017 21050
           7823
                                                                                               2952
                                                                                                        Cap, 10u, 20%, 50v, Electrolytic . . .
                                                                                                                                                              3198 025 51090
                                                                                               2953
                                                                                                        Cap, 10u, 20%, 50v, Electrolytic . . .
                                                                                                                                                              3198 025 51090
  9805
                                                                                               2954
                                                                                                        Cap, 10u, 20%, 50v, Electrolytic . . .
                                                                                                                                                              3198 025 51090
Mains/Front Interface Panel
                                                                                               2955
                                                                                                        Cap, 10u, 20%, 50v, Electrolytic . . .
                                                                                                                                                             3198 025 51090
           Mains/Front Interface Panel
                                                                                               2956
                                                                                                        Cap, 100u, 20%, 25v, Electrolytic. . .
                                                                                                                                                              3198 025 31010
                                                                                                        Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100u, 20%, 25v, Electrolytic . . .
  CBA
           Mains/Front Interface Panel. . . . . 3139 187 11471
                                                                                               2957
                                                                                                                                                              3198 017 01040
                                                                                                                                                             3198 025 31010
  0214
           5 Pin Board Connector. . . . . . . . . . 2422 025 06353
                                                                                               2958
                                                                                                        Cap, 100n, 10%, 50v, Polyester . . . Cap, 10u, 20%, 50v, Electrolytic . . . Cap, 10u, 20%, 50v, Electrolytic . . .

      Switch
      2422
      128
      02742

      IR Receiver, TSOP1836UH
      9322
      127
      54667

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                                                                                                                                                             3198 014 01040
  1000
                                                                                                                                                             3198 025 51090
                                                                                               2960
  1002
           LED, LTL-10234WHCR . . . . . . . . . . 9322 185 69682 Cap, 100u, 20%, 25v, Electrolytic . . . 3198 025 31010 Cap, 10n, +80/-20%, 50v, Ceramic . . . 3198 019 21030
                                                                                               2961
                                                                                                                                                             3198 025 51090
S 1008
                                                                                                        Cap, 100u, 20%, 25v, Electrolytic. . .
                                                                                               2962
                                                                                                                                                              3198 025 31010
  2001
                                                                                               3806
                                                                                                        Res, 1K5, 5%, 1/10W, Metalized Glass .
                                                                                                                                                              3198 021 51520
           Res, 470 ohm, 5%, 1/6W, Carbon Film. . 3198 011 04710 Res, 1K8, 5%, 1/6W, Carbon Film. . . 3198 011 01820 Res, 220 ohm, 5%, 1/6W, Carbon Film. . . 3198 011 02210
                                                                                                        Res, 1K2, 5%, 1/10W, Metalized Glass .
                                                                                                                                                             3198 021 51220
                                                                                               3807
                                                                                               3812
                                                                                                        Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                                             3198 021 51030
  3003
                                                                                               3813
                                                                                                        Res, 15K, 5%, 1/10W, Metalized Glass . 3198 021 51530
  3004
                                                                                                        Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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2 Tuner PIP Panel
                                                                                               3815
                                                                                                        Res, 820 ohm, 5%, 1/10W, Metalized Glas 3198 021 58210
           2 Tuner PIP Panel
                                                                                               3816

      2 Tuner PIP Panel
      3139 187 28511

      2 Tuner PIP Panel
      3139 187 28511

      5 Pin Board Connector
      2422 025 12481

      10 Pin Board Connector
      2422 025 12484

      10 Pin Board Connector
      2422 025 16587

      3 Pin Board Connector
      2422 025 16382

      3 Pin Board Connector
      2422 025 16382

      3 Pin Board Connector
      2422 025 16382

                                                                                                        Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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  CRA
                                                                                                        Res, 15K, 5%, 1/10W, Metalized Glass .
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  0200
                                                                                                        Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                               3819
  0201
                                                                                               3820
  0205
                                                                                               3821
                                                                                                        Res, 390 ohm, 5%, 1/10W, Metalized Glas 3198 021 53910
  0236
                                                                                               3822
                                                                                                        Res, 390 ohm, 5%, 1/10W, Metalized Glas 3198 021 53910
           Crystal, 14.31818MHz . . . . . . . . . 2422 543 00904
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                                                                                                        Res, 390 ohm, 5%, 1/10W, Metalized Glas 3198 021 53910
  1802
           3824
                                                                                                        Res, 15K, 5%, 1/10W, Metalized Glass . 3198 021 51530
  1900
  1901
            SAW Filter, 45.75MHz . . . . . . . . 2422 549 43074
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                                                                                                        Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
                                                                                                        Res, 4M7, 5%, 1/10W, Metalized Glass . 3198 021 54750
Res, 15K, 5%, 1/10W, Metalized Glass . 3198 021 51530
  1902
           Crystal, 4.5MHz. . . . . . . . . . . . 2422 549 40807
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  2801
            Cap, 100n, 10%, 50v, Polyester . . . . 3198 014 01040
                                                                                                        Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
           Cap, 47u, 20%, 25v, Electrolytic . . . 3198 025 34790
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  2803
           Cap, 4/d, 20%, 25V, Electrolytic . . . 3198 025 51090 Cap, 10u, 20%, 50v, Electrolytic . . . 3198 025 51090 Cap, 10on, 10%, 16v, Ceramic . . . . 3198 017 01040 Cap, 220u, 20%, 10v, Electrolytic . . 3198 025 12210 Cap, 47p, 5%, 50v, Ceramic . . . . 3198 016 04790 Cap, 10u, 20%, 50v, Electrolytic . . 3198 025 51090 Cap, 10n, 10%, 50v, Ceramic . . . . 3198 017 01030 Cap, 10n, 10%, 50v, Ceramic . . . . 3198 017 01030
                                                                                                        Res, 1M, 5%, 1/10W, Metalized Glass. . 3198 021 51050
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  2804
                                                                                                        Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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  2805
                                                                                                        Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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  2806
                                                                                                        Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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  2807
  2808
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                                                                                                        Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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                                                                                                        Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2809
  2810
           Cap, 10n, 10%, 50v, Ceramic. . . . . 3198 017 01030
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                                                                                                        Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
           Res, 1K, 5%, 1/10W, Metalized Glass. .
  2811
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                                                                                                        Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
  2812
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  2813
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                                                                                                        Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, 3K3, 5%, 1/10W, Metalized Glass . 3198 021 53320
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  2814
           Cap, 10n, 10%, 50v, Ceramic. . . . . 3198 017 01030
           Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 01030
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  2815
           3857
                                                                                                        Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2816
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  2819
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  2820
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           Cap, 220n, +80/-20%, 25v, Ceramic. . . 3198 023 22240 Cap, 33n, 10%, 50v, Ceramic. . . . . 3198 017 03330
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                                                                                                        Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2821
                                                                                               3866
                                                                                                        Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
            Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 01030
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  2824
            Cap, 47u, 20%, 25v, Electrolytic . . . 3198 025 34790
                                                                                               3871
                                                                                                        Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                                                        Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
  2825
            Cap, 470n, +80/-20%, 16v, Ceramic. . . 3198 017 24740
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                                                                                                        Res, 220 Olimi, 36, 1/10W, metalized Glas 3170 V21 22210
Res, 68 ohm, 5%, 1/6W, Carbon Film . . . 3198 Oll 06890
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
           Cap, 560p, 5%, 50v, Ceramic. . . . 3198 016 05610 Cap, 470n, +80/-20%, 16v, Ceramic. . . 3198 017 24740
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  2826
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  2827
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           Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 01040
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           3916
  2829
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  2830
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  2831
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                                                                                                                                                             3198 021 90020
  2832
                                                                                               3920
                                                                                                        Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2833
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  2837
            Cap, 10n, 10%, 50v, Ceramic. . . . . 3198 017 01030
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                                                                                                        Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                                        Res, 3K3, 5%, 1/10W, Metalized Glass . 3198 021 53320
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
  2840
           Cap, 10n, 10%, 50v, Ceramic. .
                                                      . . . . 3198 017 01030
                                                                                               3933
                                                                                               3934
  2841
            Cap, 470n, +80/-20%, 16v, Ceramic. . . 3198 017 24740
                                                                                                        Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
                                                                                               3936
  2842
           Cap, 220u, 20%, 25v, Electrolytic. . . 3198 025 32210
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  2890
            Cap, 220u, 20%, 25v, Electrolytic. . .
                                                                3198 025 32210
                                                                                                        Res, 2R2, 5%, 1/6W, Carbon Film. . . . 3198 011 02280 Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020 Trim Pot, 47K. . . . . . . . . . . . 2120 363 90166 Res, 5K6, 5%, 1/10W, Metalized Glass . 3198 021 55620
           3938
  2891
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  2892
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  2893
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  2894
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3944	Trim Pot, 47K			Front 7/0 Porch
3945 3948	Res, 220 ohm, 5%, 1/10W, Metalized Glas Res, 330 ohm, 5%, 1/10W, Metalized Glas			Front I/O Panel Front I/O Panel
3949 3950	Res, 330 ohm, 5%, 1/10W, Metalized Glas Res, 22K, 5%, 1/10W, Metalized Glass.			WPLPs 18W Takanfaga , Romandan
3951	Res, 22K, 5%, 1/10W, Metalized Glass .			YPbPr 1FH Interface + Expander YPbPr 1FH Interface + Expander
3952 3953	Res, 1K, 5%, 1/10W, Metalized Glass Res, 330 ohm, 5%, 1/10W, Metalized Glas			CBA YPbPr 1FH Interface + Expander 3104 328 25301
3955	Res, 390 ohm, 5%, 1/10W, Metalized Glas			0025 Contact Pin
3956 3957	Res, Zero ohm, "Chip" Jumper Res, 330 ohm, 5%, 1/10W, Metalized Glas			2810 Cap, 100u, 20%, 25v, Electrolytic 3198 025 31010
3958	Res, 120 ohm, 5%, 1/10W, Metalized Glas			2811 Cap, 100n, 10%, 16v, Ceramic 3198 017 01040 3819 Res, 3R9, 5%, 1/8W, Metalized Glass 2322 750 63908
3960 3961	Res, Zero ohm, "Chip" Jumper Res, 1K, 5%, 1/10W, Metalized Glass			3830 Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010 3831 Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
3964	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 02	1 55610	3831 Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010 3899 Res, 1K, 5%, 1/10W, Metalized Glass 3198 021 51020
3965 3969	Res, 560 ohm, 5%, 1/10W, Metalized Glas Res, 330 ohm, 5%, 1/10W, Metalized Glas			4800 Res, Zero ohm, "Chip" Jumper 3198 021 90030 7806 IC, M62320FP 9322 127 15668
3970	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 02	1 53910	7000 IC, M02320FF
3971 3972	Res, 2K2, 5%, 1/10W, Metalized Glass . Res, 4K7, 5%, 1/10W, Metalized Glass .			Cabinet Parts Cabinet Parts
4803	Res, Zero ohm, "Chip" Jumper	3198 02	1 90020	AC01 Nameplate
4804 4805	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			AC02 Anode Lead Clip
4808	Res, Zero ohm, "Chip" Jumper	3198 02	1 90020	S AC05 Degaussing Coil 2422 549 44676
4809 4810	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			AC06 Light Guide
4812	Res, Zero ohm, "Chip" Jumper	3198 02	1 90020	AC08 Top Control Button
4813 4814	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			AC09 Top Control Bracket
4815	Res, Zero ohm, "Chip" Jumper	3198 02	1 90020	AC11 Chassis Frame
4817 4818	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			AC13 DAF DC Shift Bracket
4819	Res, Zero ohm, "Chip" Jumper	3198 02	1 90020	AC16 3D Comb Filter Bracket 3104 304 22432
4821 4901	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			AC17 LOT-SSB Support
4910	Res, Zero ohm, "Chip" Jumper	3198 02	1 90020	AC19 Side A/V Bracket
5890 5891	Coil, 10u			AC20 SSB Shielding, Bottom
5892	Coil, 10u	3198 01	.8 21090	AC22 SSB Shielding, Frame
5893 5894	Coil, 10u			AC24 Cabinet Back
5895	Coil, 10u			S AC26 CRT, A80ERF042X45 9301 927 20539
5901 5902	Coil, 91.5MHz			AC27 Cabinet Front
5903 5905	Coil, 820n			AC30 SSB Snap
5905	Coil, 4u7			AC32 Owner's Manual (French)
5907 5908	Coil, 4u7			AC32 Owner's Manual (English) 3121 235 20901
5909	Coil, 4u7			S AC33 AC Power Cord
5910 6801	Coil, 4u7			AC35 Quick Use Guide (English) 3121 233 44041
6890	Zener Diode, 3.9 volt			AC35 Quick Use Guide (Spanish) 3121 233 44421 AC35 Quick Use Guide (French) 3121 233 44411
7803 7804	IC, M65669SP			AC36 Cabinet Back Screw Cover (2 Used) 3139 124 39241
7805	Transistor, NPN, BC847B(COL)	3198 01	.0 42030	AC38 Cabinet Front Assembly (Shown Exploded) 3121 237 53281 AC39 Torx Driver - T10 7" length 4935 395 17249
7806 7807	Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL)			AC40 Torx Driver - T10 10" length 4835 395 97018 REMOTE Remote Control Transmitter, RC2017/01. 3128 147 13331
7810	Transistor, NPN, BC847B(COL)	3198 01	.0 42030	REMOTE Remote Control Hansmitter, RC2017/01. 5120 147 13331
7813 7816	Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL)		.0 42030 0 42030	CRT Panel CRT Panel
7817	Transistor, NPN, BC847B(COL)	3198 01	.0 42030	CRI Panel CBA CRT Panel
7891 7910	Transistor, NPN, BC337-25(COL) IC, TEA6425			0224 7 Pin Board Connector 2422 025 11244 S 0235 Ground Clip
7914	IC, TDA9801/V1	9352 60	6 44112	0236 Contact Pin 2422 015 18552
7915 7917	Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL)			S 0298 10 Pin CRT Socket
7918 7919	Transistor, NPN, BC847B(COL)	3198 01	.0 42030	0383
7919	IC, TDA8601T/C1 Transistor, NPN, BC847B(COL)		8 90518 .0 42030	2103 Cap, 330p, 5%, 50v, Ceramic 3198 016 33310 2104 Cap, 330p, 5%, 50v, Ceramic 3198 016 33310
9800 9802	Wire Jumper			2105 Cap, 330p, 5%, 50v, Ceramic 3198 016 33310
9803	Wire Jumper			2118 Cap, 220n, 10%, 50v, Polyester 3198 014 02240 2300 Cap, 22u, 20%, 100v, Electrolytic 3198 025 72290
9804 9805	Wire Jumper			2301 Cap, 220u, 20%, 16v, Electrolytic 3198 025 22210
9808	Wire Jumper			2302 Cap, 10p, 5%, 50v, Ceramic 3198 016 01090 2303 Cap, 470p, 5%, 50v, Ceramic 3198 016 34710
9810 9811	Wire Jumper			2304 Cap, 22n, 10%, 100v, Metalized Polyeste 2222 365 85223
9812	Wire Jumper	3198 03	6 90010	2306 Cap, 100n, 10%, 16v, Ceramic 3198 017 01040 2307 Cap, 22n, 10%, 50v, Ceramic 3198 017 02230
9813 9814	Wire Jumper			2308 Cap, 15p, 5%, 50v, Ceramic 3198 016 01590
9815	Wire Jumper	3198 03	6 90010	2309 Cap, 22n, 10%, 50v, Ceramic 3198 017 02230 2310 Cap, 18p, 5%, 50v, Ceramic 3198 016 01890
9816 9817	Wire Jumper			2312 Cap, 22p, 5%, 50v, Ceramic 3198 016 02290
9818	Wire Jumper			2313 Cap, 100u, 20%, 250v, Electrolytic 2022 031 00211 2315 Cap, 120p, 5%, 50v, Ceramic 3198 016 01210
9823 9824	Wire Jumper			2316 Cap, 100n, 10%, 250v, Metalized Polyest
9902	Wire Jumper	3198 03	6 90010	er
9908 9915	Wire Jumper			2318 Cap, 22n, +80/-20%, 50v, Ceramic 3198 017 22230
9923	Wire Jumper			2319 Cap, 10n, +80/-20%, 50v, Ceramic 3198 019 21030 2325 Cap, 100n, 10%, 16v, Ceramic 3198 017 01040
High Def	inition Jack Panel			2337 Cap, 100p, 5%, 50v, Ceramic 3198 016 31010

	J 21 1	o iziio /ii (concinaca)			
	2409	Cap, 470n, +80/-20%, 10v, Ceramic	3198	017	44740
	2410	Res, Zero ohm, "Chip" Jumper			90030
	2411	Cap, 100n, 10%, 16v, Ceramic	3198	017	01040
	2420	Cap, 470n, +80/-20%, 10v, Ceramic			44740
	3106	Res, 1K8, 1%, 1/16W, Metalized Glass .			
	3107	Res, 1K2, 1%, 3/5W, Metal Film			11202
	3109				61802
	3110	Res, 1K2, 1%, 3/5W, Metal Film			11202
	3111	Trim Pot, 470 ohm, 25%			90538
	3113 3114	Res, 1K8, 1%, 1/16W, Metalized Glass .			11202
	3114	Res, 1K2, 1%, 3/5W, Metal Film Trim Pot, 470 ohm, 25%			90538
	3116	Res, 1K, 5%, 1/6W, Carbon Film			01020
	3117	Res, 2K7, 1%, 1/16W, Metalized Glass.			
	3118	Res, 2K2, 1%, 1/16W, Metalized Glass .			62202
	3119	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322	704	61801
	3120	Res, 180 ohm, 1%, $1/16W$, Metalized Glas	2322	704	61801
	3121	Res, 180 ohm, 1%, $1/16W$, Metalized Glas			
	3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas			
	3123	Res, 220 ohm, 1%, 1/16W, Metalized Glas			
	3124	Res, 220 ohm, 1%, 1/16W, Metalized Glas			
0	3125 3300	Trim Pot, 470 ohm, 25%			90538
5	3300	Res, 5R6, 5%, 1/3W, Metal Film Res, 10K, 5%, 2 1/2W, Metal Film			03568 63103
	3303	Res, 10K, 5%, 2 1/2W, Metal Film Res, 10K, 5%, 1/10W, Metalized Glass .			51030
	3304	Res, 1K2, 5%, 1/10W, Metalized Glass.			51220
	3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass			
	3308	Res, 56K, 5%, 1/10W, Metalized Glass .			
	3309	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198	021	55610
	3310	Res, 1K, 5%, 1/10W, Metalized Glass			51020
	3311	Res, 330 ohm, 5%, 1/10W, Metalized Glas			
	3312	Res, 2K2, 5%, 1/10W, Metalized Glass.			
	3315 3316	Res, 4K7, 5%, 1/10W, Metalized Glass . Res, 56K, 5%, 1/10W, Metalized Glass .			54720 55630
	3317	Res, 4K7, 5%, 1/10W, Metalized Glass.			
	3318	Res, 15 ohm, 5%, 1/10W, Metalized Glass			
	3319	Res, 1K2, 5%, 1/10W, Metalized Glass .			
	3320	Res, 4K7, 5%, 1/10W, Metalized Glass .			54720
	3334	Res, 1K, 5%, 1/6W, Carbon Film	3198	011	01020
	3338	Res, 1K, 20%, 1/2W, Carbon Film			01020
	3339	Res, 1K, 20%, 1/2W, Carbon Film			
~	3340				01020
S	3341 3342				03101 90020
	3342				12202
	3345	Res, 33 ohm, 5%, 1/6W, Carbon Film			03390
	3347	Res, 1K5, 20%, 1/2W, Carbon Film			01520
	3348	Res, 2K2, 1%, 3/5W, Metal Film	2312	915	12202
	3349	Res, 1K, 20%, 1/2W, Carbon Film			01020
	3350	Res, 470 ohm, 5%, 1/6W, Carbon Film			04710
	3351	Res, 470 ohm, 5%, 1/6W, Carbon Film			04710
	3352	Res, 470 ohm, 5%, 1/6W, Carbon Film			
	3353 3355	Res, 4R7, 5%, 1/6W, Carbon Film Res, 10 ohm, 5%, 1/10W, Metalized Glass			04780
	3356	Res, 1K, 5%, 1/10W, Metalized Glass.			
	3357	Res, 10 ohm, 5%, 1/10W, Metalized Glass			
	3358				51520
	3359	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198	021	32210
	3366	Voltage Dependent Resistor			13507
	3375	Res, 100K, 1%, 3/5W, Metal Film			11004
	3376	Res, 100K, 1%, 3/5W, Metal Film			11004
	3377	Res, 100K, 1%, 3/5W, Metal Film Res, 4R7, 5%, 1/16W, Metalized Glass .			11004 34780
	3378 3379	Res, 4R7, 5%, 1/16W, Metalized Glass. Res, 4R7, 5%, 1/6W, Carbon Film			04780
	3398	Res, 18K, 5%, 1/6W, Carbon Film			01830
	3405	Res, 39 ohm, 5%, 1/4W, Carbon Film			74399
S	3412	Res, 15 ohm, 5%, 1/8W, Metalized Glass	2322	750	61509
	3413	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198	021	33910
	3414	Res, 10 ohm, 5%, $1/16W$, Metalized Glass			
	3416	Res, 39 ohm, 5%, 1/4W, Carbon Film			74399
	4115	Res, Zero ohm, "Chip" Jumper			90030
	4301 4302	Res, Zero ohm, "Chip" Jumper			90020
Q	5300	Res, Zero ohm, "Chip" Jumper Transformer, S13974-03			90030 20571
J	6100	Zener Diode, 5.6 volt			55680
	6305	Diode, BAS321			52115
	6306	Diode, BAS321			52115
	6307	Diode, BAS321			52115
	6308	Diode, MCL4148	9322	128	15685
	6309	Diode, MCL4148			15685
	7300	Transistor, NPN, BF199			20126
	7301	Transistor, NPN, BFS20			11215
	7302 7303	Transistor, PNP, 2SA1358			55682 56682
	7303	Transistor, NPN, 2SC3421			50082
	7304	IC, TDA6103Q/N3			80112
	7308	Transistor, NPN, BFS20			11215
	9301	Wire Jumper			90010
	9302	Wire Jumper	3198	036	90010
	9305	Wire Jumper			90010
	9307				90010
	9308	Wire Jumper	3198	036	90010

9309	Wire	Jumper.							3198	036	90010
9313	Wire	Jumper.							3198	036	90010
9314	Wire	Jumper.							3198	036	90010
9316	Wire	Jumper.							3198	036	90010
9317	Wire	Jumper.							3198	036	90010
9318	Wire	Jumper.							3198	036	90010
9321	Wire	Jumper.							3198	036	90010
9322	Wire	Jumper.							3198	036	90010
9323	Wire	Jumper.							3198	036	90010
9324	Wire	Jumper.							3198	036	90010
9325	Wire	Jumper.							3198	036	90010
9326	Wire	Jumper.							3198	036	90010
9330	Wire	Jumper.							3198	036	90010
9333	Wire	Jumper.							3198	036	90010
9336	Wire	Jumper.							3198	036	90010
9337	Wire	Jumper.							3198	036	90010
9401	Wire	Jumper.							3198	036	90010
9403	Wire	Jumper.							3198	036	90010

501.	io i ziio i i zii ziio i i zi						
Large S	gnal Panel			2464	Cap,	2u2, 20%, 25v, Electrolytic 319	8 026 32220
	Large Signal Panel			2465			8 019 44710
CBA		3104 328		2466			8 025 11010
S 0010		2422 025		2467			8 025 11010
S 0020		2422 025		2468			0 021 91304 8 019 61520
0150 0153		2422 088 2422 088		2469 2471			2 460 90025
0203	4 Pin Board Connector			2480			8 014 04720
0204		2422 025		2485		· · · · · · · · ·	2 460 90022
0317		2422 025		2489			8 025 34790
0324	7 Pin Board Connector	2422 025	04855	2492	Res,	Zero ohm, "Chip" Jumper 319	8 021 90020
0325	3 Pin Board Connector			2493			8 017 22230
0390		2412 020		2494			8 780 15654
0391		2422 015		2495			8 780 15654
0392	3 Pin Board Connector			2496 2497			2 580 15649 8 023 22240
1001 S 1002	Spark Gap	2422 549		2498			8 017 01040
1200		2422 132		2499			8 017 01040
S 1401	Fuse, T315MA, 250V			2501		2n2, 10%, 1000v, Ceramic 202	
S 1501		2422 086		2502			8 019 12220
S 1503		2422 086		2503		33n, 10%, 100v, Metalized Polyeste 222	
1735	3 Pin Board Connector	2422 025	16407	S 2505	Cap,	3n3, 20%, v, Ceramic 202	0 554 90174
1736	3 Pin Board Connector	2422 025	16382	2506	Cap,	470n, 10%, 100v, Metalized Polyest	
1900		2422 026					2 365 25474
1901		2422 026		2507		470n, 20%, 275v, Metalized Polypro	
1920	5 Pin Board Connector						2 336 29148
1921		2422 025		2509			8 019 52220
1923	80 Pin SIMM Socket			2510 2511			0 024 90647 0 024 90647
1936 1937	11 Pin Board Connector			2512			8 026 41020
1940	11 Pin Board Connector			2513			8 017 04710
1943	3 Pin Board Connector			2514			8 017 03310
1945	3 Pin Board Connector			2515		= · · · · · · · · · · · · · · · · · · ·	0 021 91543
1946	2 Pin Board Connector	2422 025	09405	2518	Cap,	150p, 10%, 500v, Ceramic 319	8 019 41510
1947	5 Pin Board Connector	2422 025	12481	2519	Cap,	2n2, 10%, 500v, Ceramic 319	8 019 42220
1951	5 Pin Board Connector	2422 025	04853	2520			8 017 01040
S 1975	Fuse, 250MA, 65V			2521			8 016 02710
2101		3198 019		2529			8 025 04710
2102		3198 025		2530			8 017 24740
2104		3198 026		2531 2536			8 019 41520 8 025 51080
2106 2108	Cap, 4n7, 10%, 50v, Ceramic Cap, 10n, 10%, 400v, Metalized Polyeste	3198 017		S 2537		1u, 20%, 50v, Electrolytic 319 22n, 20%, 275v, Metalized Polyprop	5 023 31000
2100	Cap, 1u, +80/-20%, 16v, Ceramic			5 2557			2 336 29139
2110		3198 017		2538	-		8 017 04720
S 2112	Cap, 100n, 20%, 275v, Metalized Polypro	5170 017	22000	2601			8 014 01050
		2222 336	29144	2602			8 025 52290
2113	Cap, 4n7, 10%, 50v, Ceramic	3198 017	04720	2603	Cap,	2u2, +80/-20%, 10v, Ceramic 319	8 017 22250
2115	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017	21050	2604	Cap,	10u, 20%, 50v, Electrolytic 319	8 025 51090
2116		3198 017		2606			8 014 01050
2117		3198 019		2607			8 025 74780
2120		3198 014		2609			8 025 22210
2132	= 1	3198 017		2610			8 780 15655
2200 2201		3198 025 3198 023		2611 2620			2 780 15656 8 580 19814
2201		2238 580		2621		100n, +80/-20%, 25v, Ceramic 319	
2203		3198 025		2622		100u, 20%, 50v, Electrolytic 319	
2400		2020 021		2624			8 014 04740
2402		3198 019	43320	2625	Cap,	470n, 10%, 50v, Polyester 319	8 014 04740
2408	Cap, 100p, 5%, 50v, Ceramic	3198 016	01010	2627	Cap,	1u, 20%, 100v, Electrolytic 319	8 025 71080
2411		3198 017		2639			8 780 15654
2412		3198 023		2640			8 025 54780
2413		2020 021		2641			2 580 15649
2414 2415		3198 023		2642 2643			0 021 90587 2 580 15649
2415 S 2416		3198 016 2020 554		2653			8 016 01020
2417		3198 023		2654			8 023 04730
2419		2020 558		2704			8 025 54790
2420		2222 375		2730	Cap,	22u, 20%, 50v, Electrolytic 319	8 025 52290
2421	Cap, 1u2, 5%, 250v, Metalized Polypropy			2731	Cap,	22u, 20%, 50v, Electrolytic 319	8 025 52290
		2022 333		2732			8 025 51010
2424	= -	3198 019		2733			8 025 51010
2425		2022 333		2734			8 025 52290
2426		2222 375		2735			8 025 52290
2429	Cap, 4n7, 10%, 400v, Metalized Polyeste			2738 2739			8 025 24710 8 025 24710
2430	Cap, 10n, 10%, 100v, Metalized Polyeste			2756			8 023 04730
2431 2433	Cap, 1n, 10%, 500v, Ceramic Cap, 560n, 5%, 250v, Metalized Polyprop	3198 019	41020	2758			8 025 54780
2133		2022 333	00088	2760			8 026 31020
2436		2020 021		2761			8 026 31020
2445		3198 023		2765			8 025 51010
2446		3198 016	04710	2767			8 025 32210
2447	Cap, 470p, 5%, 50v, Ceramic	3198 016	04710	2782			8 023 04730
2448		3198 016	04710	2784			8 014 01050
2450	Cap, 100n, 10%, 100v, Metalized Polyest	0000		2785			8 014 01050
0454	er			2788		± · · · · · · · · · · · · · · · · · · ·	8 017 04710
2454 2455		2020 552		2905 2906			8 026 23320 8 016 01010
2455		3198 017 3198 019		2910			8 016 01010
2459		3198 026		2912		= · · · · · · · · · · · · · · · · · · ·	8 025 51090
2461		3198 019		2913			8 017 01040
2462		3198 026		2914			8 025 11010
2463	Cap, 470p, 10%, 500v, Ceramic	3198 019	44710	2917	Cap,	100p, 5%, 50v, Ceramic 319	8 016 01010
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Cap, 100p, 5%, 50v, Ceramic. . . . . . 3198 016 01010 Cap, ln, 5%, 50v, Ceramic. . . . . . . 3198 016 01020
                                                                                 3481
                                                                                         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010
                                                                                 3484
                                                                                         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  2923
          Cap, 330p, 5%, 50v, Ceramic. . . . . 3198 016 03310
                                                                                 3485
                                                                                         Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                       3198 021 51020
                                             . . . . 3198 016 03310
  2925
          Cap, 330p, 5%, 50v, Ceramic. .
                                                                                 3486
                                                                                         Res, 4K7, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 54720
  2926
          Cap, 470u, 20%, 6.3v, Electrolytic . . 3198 025 04710
                                                                                 3487
                                                                                         Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 52230
  2927
          Cap, 47u, 20%, 50v, Electrolytic . . . 3198 025 54790 Cap, 2u2, +80/-20%, 10v, Ceramic . . . 3198 017 22250
                                                                                 3489
                                                                                         Res, 2K2, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 52220
  2928
                                                                                 3495
                                                                                         Res, 33K, 1%, 3/5W, Metal Film . . . .
                                                                                                                                       2312 915 13303
                                                                                         Res, 1K, 5%, 1/6W, Carbon Film . . . 3198 011 01020 Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2941
          Cap, 6n8, 10%, 50v, Ceramic. . . . . 3198 017 06820
                                                                                 3496
          Cap, 6n8, 10%, 50v, Ceramic. . . . . 3198 017 06820
  2942
                                                                                 3497
         Cap, 1u, 20%, 50v, Electrolytic. . . 3198 025 51080 Cap, 47n, 10%, 25v, Ceramic. . . . 3198 023 04730 Cap, 47n, 10%, 25v, Ceramic. . . . 3198 023 04730
                                                                                         Res, 1K, 5%, 1/10W, Metalized Glass. .
  2951
                                                                                 3498
                                                                                                                                       3198 021 51020
                                                                                         Res, OR47, 10%, 7W, Wire Wound . . . .
                                                                                                                                       2322 252 41477
  2952
                                                                               S 3500
         Cap, 47n, 10%, 25v, Ceramic. . . . . 3198 023 04730 Res, 3M3, 5%, 1/4W, Metalized Glass . . 2322 241 53335
  2953
                                                                               S 3501
                                                                                         Res, 220 ohm, 20%, 1/2W, Carbon Film .
                                                                                                                                       3198 013 02210
  3101
                                                                               S 3502
                                                                                         Res, 4M7, 5%, 1/2W, Metalized Glass. .
                                                                                                                                       2322 242 13475
          Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
  3102
                                                                               S 3503
                                                                                         Res, 4M7, 5%, 1/2W, Metalized Glass. .
                                                                                                                                       2322 242 13475
                                                                                         Res, 470 ohm, 5%, 1/6W, Carbon Film. .
                                                                                                                                       3198 011 04710
          Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                                 3504
  3103
  3104
         Res, 47 ohm, 5%, 1/6W, Carbon Film . . 3198 011 04790
                                                                                 3505
                                                                                         Res, 68K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 56830
  3105
         Res, 680 ohm, 1%, 3/5W, Metal Film . . 2312 915 16801
                                                                                 3506
                                                                                         Res, 47K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 54730
  3106
         Res, 1K, 5%, 1/6W, Carbon Film . . . .
                                                       3198 011 01020
                                                                                 3507
                                                                                         Res, 160K, 1%, 3/5W, Metal Film. . . .
                                                                                                                                       2312 915 11604
         Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020 Res, 10 ohm, 5%, 1/6W, Carbon Film . . . 3198 011 01090
                                                                                         Res, 6K8, 5%, 1W, Metal Film . . . . .
  3107
                                                                               S 3508
                                                                                                                                       3198 012 16820
                                                                                         2322 595 90025
  3108
                                                                               S 3509
         Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                         Res, 2K, 1%, 1/8W, Metalized Glass . .
  3109
                                                                                 3510
                                                                                                                                       2322 734 62002
                                                                                         Res, 3K9, 5%, 1/6W, Carbon Film. . . . Res, 68K, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                       3198 011 03920
          Res, 10 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03109
  3110
                                                                                 3511
  3113
          Res, 22 ohm, 5%, 1/6W, Carbon Film . .
                                                       3198 011 02290
                                                                                 3512
                                                                                                                                       3198 011 06830
          Res, 220 ohm, 5%, 1/6W, Carbon Film. . 3198 011 02210
  3114
                                                                                 3513
                                                                                         Res, 330K, 5%, 1W, Metal Film. . . . .
                                                                                                                                      2322 193 53334
         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010 Res, 4R7, 5%, 1/6W, Carbon Film. . . . 3198 011 04780
                                                                                 3514
                                                                                         Res, 1R2, 5%, 1W, Metal Film . . . . .
                                                                                                                                       2322 193 53128
                                                                                 3515
                                                                                         Res, OR68, 5%, 3/5W, Metal Film. . . .
                                                                                                                                       3198 012 16870
  3118
  3119
          Res, 33 ohm, 5%, 1/6W, Carbon Film . . 3198 011 03390
                                                                                 3517
                                                                                         Res, 4K7, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 54720
  3120
          Res, 10 ohm, 5%, 1/10W, Metalized Glass 3198 021 51090
                                                                                 3518
                                                                                         Res, 100K, 5%, 1/6W, Carbon Film . . .
                                                                                                                                       3198 011 01040
  3121
          Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                                 3519
                                                                                         Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 52230
         Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090 Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
                                                                                         Res, 33K, 5%, 2 1/2W, Metal Film . . .
                                                                               S 3520
  3123
                                                                                                                                       3198 012 33330
  3124
                                                                               S 3521
                                                                                         Res. 1M, 5%, 1/2W, Metalized Glass . .
                                                                                                                                       2322 242 13105
         Res, 15 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01590 Res, 15 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01590 Res, 10K, 5%, 1/6W, Carbon Film . . . 3198 011 01030 Res, 5K6, 5%, 1/6W, Carbon Film . . . 3198 011 05620 Res, 47 ohm, 5%, 1/6W, Carbon Film . . . 3198 011 04790
                                                                                         Res, 6K8, 5%, 1/6W, Carbon Film. . . .
  3125
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                                                                                                                                       3198 011 06820
                                                                                         Res, 1M, 5%, 1/10W, Metalized Glass. .
                                                                                 3523
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  3126
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                                                                                         Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                       3198 021 51020
  3127
                                                                                         Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
          Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
                                                                                         Res, OR1, 5%, 3/5W, Metal Film . . . . 3198 012 11070
  3148
                                                                                 3526
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                         Res, 820 ohm, 1%, 1/8W, Metalized Glass 2322 734 68201
  3200
                                                                                 3527
  3201
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                 3528
                                                                                         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
         Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230
  3202
                                                                                 3529
                                                                                         Res, 680 ohm, 5%, 1/10W, Metalized Glas 3198 021 56810
  3203
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                                                                                         Res, 68K, 5%, 1/6W, Carbon Film. . . . 3198 011 06830
                                                                                         Res, 10K, 5%, 1/10W, Metalized Glass .
S 3230
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                                                                                         Res. PTC, 1R5, Degaussing. . . . . .
                                                                                                                                       2322 662 96753
                                                                                         Res, 15 ohm, 5%, 1/10W, Metalized Glass 3198 021 51590
  3402
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          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                         Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
Res, 680K, 5%, 1/10W, Metalized Glass. 3198 021 56840
  3403
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          Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
                                                                                 3536
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                         Res, 22K, 5%, 1/10W, Metalized Glass . 3198 021 52230
  3407
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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                                                                                         Res, 47K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 54730
  3408
          Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
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                                                                                         Res, 2K2, 5%, 1/10W, Metalized Glass .
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          Res, 1K, 5%, 1/6W, Carbon Film . . . . 3198 011 01020
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                                                                                         Res, OR1, 5%, 3/5W, Metal Film . . . .
                                                                                                                                       3198 012 11070
                                                                                         Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
  3410
         Res, 47 ohm, 5%, 1/10\text{W}, Metalized Glass 3198 021 54790
                                                                                 3543
         Res, 39 ohm, 5%, 1/4W, Carbon Film . . 2120 101 74399
Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
Res, 15 ohm, 5%, 2 1/2W, Metal Film . . 3198 012 31590
Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
  3411
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                                                                                         Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
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                                                                                         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3414
                                                                                         Res, 220 ohm, 20%, 1/2W, Carbon Film . 3198 013 02210
S 3415
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                                                                                         Res, 470K, 1%, 3/5W, Metal Film. . . . 2312 915 14704
  3417
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         Res, 33K, 1%, 3/5W, Metal Film . . . 2312 915 13303
Res, 330 ohm, 5%, 1/3W, Metal Film . . . 2306 204 03331
Res, 22K, 5%, 1 1/3W, Metal Film . . . 3198 012 22230
                                                                                                                                       2312 915 12204
                                                                                         Res, 220K, 1%, 3/5W, Metal Film. . . .
  3418
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                                                                                         Res, 8K2, 5%, 1/10W, Metalized Glass .
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S 3431
                                                                                         Trim Pot, 470 ohm. . . . . . . . . . . . .
                                                                                 3603
                                                                                                                                       2120 368 90118
                                                                                         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3439
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                 3604
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 1M, 5%, 1/10W, Metalized Glass . 3198 021 51050
  3440
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                                                                                         Res, 27K, 5%, 1/10W, Metalized Glass . 3198 021 52730
  3441
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                                                                                         Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                       3198 021 51020
          Res, 470K, 5%, 1/10W, Metalized Glass. 3198 021 54740
  3442
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                                                                                         Res, 22K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 52230
  3443
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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                                                                                                                                       3198 021 52230
                                                                                         Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930 Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
  3444
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  3445
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          Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
                                                                                         Res, 270K, 5%, 1/8W, Metalized Glass.
  3446
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          Res, 22 ohm, 5%, 1/3W, Metal Film. . . 2306 204 03229
s 3447
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                                                                                         Res, 12K, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                       3198 011 01230
          Res, 12K, 5%, 1/6W, Carbon Film. . . . 3198 011 01230 Res, 8K2, 5%, 1/6W, Carbon Film. . . . 3198 011 08220
  3450
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                                                                                         Res, 56K, 5%, 1/10W, Metalized Glass .
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                                                                                         Res, 5K6, 5%, 1/10W, Metalized Glass .
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          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                         Res, 2R7, 5%, 1/4W, Carbon Film. . . .
  3452
                                                                                 3620
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  3454
          Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720 \,
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                                                                                         Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
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  3455
          Res, Zero ohm, "Chip" Jumper . . . .
                                                       3198 021 90020
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                                                                                         Res, 1 ohm, 5%, 1/6W, Carbon Film. . .
                                                                                                                                       3198 011 01080
         Res, 470 ohm, 5%, 1/10W, Metalized Glas 3198 021 54710
  3458
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                                                                                         Res, 27K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 52730
S 3459
          Res, 1R5, 5%, 1/2W, Metal Film . . . . 2306 207 03158
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                                                                                         Res, 1R5, 5%, 1/3W, Metal Film . . . .
                                                                                                                                       2306 204 03158
                                                                                         Res, 220 ohm, 5%, 1/6W, Carbon Film. .
         Res, 1R5, 5%, 1/2W, Metal Film . . . .
S 3460
                                                       2306 207 03158
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          Res, 1R5, 5%, 1/2W, Metal Film . . . .
                                                       2306 207 03158
                                                                                         Res, 1M, 5%, 1/6W, Carbon Film . . . .
S 3461
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                                                                                 3627
          Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
                                                                                         Res, 2R7, 5%, 1/4W, Carbon Film. . . .
  3462
                                                                                 3628
                                                                                                                                       2120 101 74278
         Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108 Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
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                                                                                         Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                       3198 021 51020
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                                                                                         Res, 4K7, 5%, 1/10W, Metalized Glass .
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          Res, 1 ohm, 5%, 1/2W, Metal Film . . . 2306 207 03108
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                                                                                         Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 51030
          Res, 6R8, 5%, 1/2W, Metal Film . . . . 2306 207 03688
                                                                                         Res, 150K, 5%, 1/10W, Metalized Glass.
  3466
                                                                                 3633
                                                                                                                                       3198 021 51540
S 3467
          Res, 6R8, 5%, 1/2W, Metal Film . . . . 2306 207 03688
                                                                                         Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                       3198 021 51020
                                                                                 3634
S 3468
          Res, 6R8, 5%, 1/2W, Metal Film . . . .
                                                       2306 207 03688
                                                                                 3635
                                                                                         Res, 1K5, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 51520
  3470
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                 3636
                                                                                         Res, 330K, 5%, 1/10W, Metalized Glass.
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  3471
          Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
                                                                                 3639
                                                                                         Res, 470K, 5%, 1/10W, Metalized Glass.
                                                                                                                                       3198 021 54740
  3472
          Res, 39K, 5%, 1/10W, Metalized Glass . 3198 021 53930
                                                                                 3640
                                                                                         Res, 22K, 5%, 1/6W, Carbon Film. . . .
                                                                                                                                       3198 011 02230
  3473
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                                 3641
                                                                                         Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 51030
  3474
          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                       3198 021 51030
                                                                                 3642
                                                                                         Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 51030
          Res, 100 ohm, 5%, 1/6W, Carbon Film. .
                                                                                         Res, 33K, 5%, 1/10W, Metalized Glass .
  3475
                                                       3198 011 01010
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                                                                                                                                       3198 021 53330
          Res, 220K, 5%, 1/6W, Carbon Film . . . 3198 011 02240 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3476
                                                                                 3644
                                                                                         Res, 10K, 5%, 1/10W, Metalized Glass .
                                                                                                                                       3198 021 51030
  3477
                                                                                         Res, 330K, 5%, 1/6W, Carbon Film . . . 3198 011 03340
          Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
                                                                                 3652
                                                                                         Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  3478
         Res, 100 ohm, 5%, 1 1/3W, Metal Film . 3198 012 21010
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                                                                                         Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
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Res, Zero ohm, "Chip" Jumper . . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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  3654
         LED
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                                                                                        Res, Zero ohm,
                                                                                                         "Chip" Jumper . . . . .
                                                                                                                                      3198 021 90020
         Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                         "Chip" Jumper . . . .
  3661
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                                                                                        Res, Zero ohm,
                                                                                                                                     3198 021 90020
                                                                                                         "Chip" Jumper . . . . .
  3663
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                                                                                        Res, Zero ohm,
                                                                                                                                     3198 021 90020
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          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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                                                                                                         "Chip" Jumper
  3702
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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                                                                                                                                     3198 021 90020
         Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220 Res, 1K2, 5%, 1/10W, Metalized Glass . 3198 021 51220
  3705
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                                                                                        Res, Zero ohm,
                                                                                                                                     3198 021 90020
  3706
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                                                                                        Res, Zero ohm,
         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
  3710
                                                                                4702
                                                                                        Res, Zero ohm,
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  3711
                                                                                4707
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                                                                                        Res, Zero ohm,
  3714
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
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                                                                                        Res, Zero ohm,
                                                                                                                                     3198 021 90020
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  3715
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          Res, 1K5, 5%, 1/10W, Metalized Glass . 3198 021 51520
  3716
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                                                                                        Res, Zero ohm,
                                                                                                                                     3198 021 90020
  3717
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
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                                                                                        Res, Zero ohm,
                                                                                        Res, Zero ohm,
  3730
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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  3731
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
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                                                                                        Res, Zero ohm,
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                                                                                        Res, Zero ohm,
  3732
          Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220
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                                                                                                         "Chip" Jumper
"Chip" Jumper
"Chip" Jumper
"Chip" Jumper
"Chip" Jumper
         Res, 8K2, 5%, 1/10W, Metalized Glass . 3198 021 58220 Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
  3733
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                                                                                        Res, Zero ohm,
                                                                                                                                     3198 021 90020
  3734
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                                                                                        Res, Zero ohm,
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
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  3735
                                                                                4910
                                                                                        Res, Zero ohm,
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  3736
                                                                                4911
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                                                                                        Res, Zero ohm,
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  3737
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                                                                                        Res, Zero ohm,
                                                                                                                                     3198 021 90020
          Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630
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  3738
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          Res, 56K, 5%, 1/10W, Metalized Glass . 3198 021 55630 Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830
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         Res, 68K, 5%, 1/10W, Metalized Glass . 3198 021 56830 Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
  3741
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  3742
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          Res, 68 ohm, 5%, 1/6W, Carbon Film . . 3198 011 06890
  3743
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         Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
  3744
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  3745
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          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
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         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
Res, 100K, 5%, 1/10W, Metalized Glass . 3198 021 51040
Res, 100K, 5%, 1/10W, Metalized Glass . 3198 021 51040
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  3757
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  3758
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          Res, 8R2, 5%, 1/8W, Metalized Glass. . 2322 730 61828
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                                                                                                                                     3198 021 90020
                                                                                        Res, Zero ohm,
  3765
          Res, 6K8, 5%, 1/10W, Metalized Glass . 3198 021 56820
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          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 150K, 5%, 1/10W, Metalized Glass . 3198 021 51540
  3770
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  3773
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          Res, 8R2, 5%, 1/8W, Metalized Glass. . 2322 730 61828
  3789
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  3790
          Res, 10K, 5%, 1/10W, Metalized Glass .
                                                       3198 021 51030
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         Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
  3792
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  3908
  3909
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  3910
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
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  3911
          Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                              S 5101
                                                                                        Standby Power Transformer. . . . . .
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  3912
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
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         Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
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  3914
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         Res, 75 ohm, 5%, 1/6W, Carbon Film . 3198 011 07590
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
Res, 6R8, 5%, 1/3W, Metal Film . . . 2306 204 03688
  3915
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  3920
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S 3925
                                                                                5115
          Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  3928
                                                                                5120
                                                                                                                                     3198 018 16870
          Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                                                                     2422 535 94267
  3929
                                                                                5200
                                                                                        Coil, 6u8. .
                                                                                        Res, 560 ohm, 5%, 1/10W, Metalized Glas 3198 021 55610
  3930
                                                                                5203
                                                                                                                                     3198 018 90080
          Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
Res, 75 ohm, 5%, 1/6W, Carbon Film . . 3198 011 07590
                                                                                        Inductor, 100MHz, 600 ohm. . . . . .
                                                                                                                                     3198 018 90080
  3932
                                                                                5204
          Res, 75 ohm, 5%, 1/6W, Carbon Film .
                                                                                        Inductor, 100MHz, 600 ohm. . . . . .
  3935
                                                                                5205
                                                                                                                                     3198 018 90080
  3936
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                                5400
                                                                                        Coil, 33u. . . . . . . .
                                                                                                                                     3198 018 73390
                                                                                        Coil, 33u.

Transformer, Driver, S16944.

Coil, 560n.

Coil, 4u0.

Bridge Coil, W7132-004.

Coil, 2u4.

Line Output Transformer.

Ferrite Bead, 100MHz

Ferrite Bead, 100MHz

Ferrite Bead, 100MHz

Ferrite Bead, 100MHz
  3937
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                              S 5410
                                                                                                                                     2422 531 02447
  3940
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                                5411
                                                                                                                                     2422 535 95339
  3941
          Res, 150 ohm, 5%, 1/10W, Metalized Glas 3198 021 51510
                                                                                5421
                                                                                                                                     2422 536 00413
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/6W, Metalized Glass. . 3198 021 51020 Res, 1K8, 5%, 1/6W, Carbon Film. . . . 3198 011 01820
  3944
                                                                                5422
                                                                                                                                     2422 531 02357
  3946
                                                                                5426
                                                                                                                                     2422 535 95097
  3950
                                                                              S 5430
                                                                                                                                     2422 531 02557
          Res, 270 ohm, 5%, 1/10W, Metalized Glas 3198 021 52710
  3955
                                                                               5461
                                                                                                                                     3198 018 90020
  3970
          Res, 120 ohm, 5%, 1/10W, Metalized Glas 3198 021 51210
                                                                                5463
                                                                                                                                     3198 018 90020
          Res, 2K7, 5%, 1/10W, Metalized Glass . 3198 021 52720
Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
  3971
                                                                                5465
                                                                                        Ferrite Bead, 100MHz . . . . . . . . .
                                                                                                                                     3198 018 90020
                                                                                        3972
                                                                                                                                     3198 018 74790
                                                                                5466
  3975
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                5467
                                                                                                                                     3198 018 90020
         Res, 100 ohm, 5%, 1/6W, Carbon Film. . 3198 011 01010 Res, 10 ohm, 5%, 1/6W, Carbon Film . . 3198 011 01090
  3991
                                                                                5468
                                                                                                                                     3198 018 72290
  3992
                                                                                5469
                                                                                                                                     3198 018 11890
                                                                                       3993
          Res, 100 ohm, 5%, 1/10\text{W}, Metalized Glas 3198 021 51010
                                                                                5494
                                                                                                                                     2422 535 94095
          3995
                                                                             S 5503
                                                                                                                                     2422 549 44362
  3996
                                                       3198 036 90010
                                                                               5505
                                                                                                                                     3198 018 90020
          3997
                                                                              S 5506
                                                                                                                                     2422 531 98042
  4102
                                                                                5507
                                                                                                                                     3198 018 90020
  4401
                                                                                5508
                                                                                                                                     3198 018 90020
          Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
  4402
                                                                                5510
                                                                                        Ferrite Bead, 100MHz . . . . . . . . .
          Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
                                                                                        4403
                                                                                5620
                                                                                                                                     2422 535 95444
         4405
                                                                                                                                     9337 234 00133
                                                                                6103
  4406
                                                                                6105
                                                                                                                                     3198 010 21590
  4407
                                                                                6106
                                                                                                                                     9331 669 60133
          Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
  4408
                                                                                6108
                                                                                        Diode, BAT85 . . . . . . . . . . . . . . .
                                                                                                                                     9336 247 60133
         4409
                                                                                6110
                                                                                                                                     9336 247 60133
  4410
                                                                                6111
                                                                                                                                     9322 161 78682
  4412
                                                                                6120
                                                                                                                                     3198 010 10010
          4413
                                                      3198 021 90020
                                                                                6121
                                                                                                                                     3198 010 10010
                                                      3198 021 90020
                                                                                6122
                                                                                                                                     3198 010 53980
  4415
          Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
Res, Zero ohm, "Chip" Jumper . . . . 3198 021 90020
                                                                                        4416
                                                                                6124
                                                                                6200
  4441
          Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
                                                                                6204
```

6205	Zener Diode, 6.8 volt	 3198 020 56880	7652	Transistor, NPN, BC847B(COL)	3198 010 42030
6206	Zener Diode, 6.8 volt	 3198 020 56880	7653	Transistor, NPN, BC847B(COL)	3198 010 42030
6207	Zener Diode, 6.8 volt	 3198 020 56880	7654	Transistor, PNP, BC857B(COL)	3198 010 42150
6405	Zener Diode, 33 volt		7655	Transistor, NPN, BC847B(COL)	
6406	Diode, BAS316		7702	Transistor, NPN, BC847B(COL)	
6407	Diode, BAS316		7720	Transistor, NPN, BC847B(COL)	
6408	Diode, Rect, BYD33D		7721	Transistor, NPN, BC847B(COL)	
6421	Diode, Rect, BY359X-1500		7722	Transistor, PNP, BC857B(COL)	
6422	Diode, Rect, BY229X-600		7723	Transistor, PNP, BC857B(COL)	
6436	Diode, Rect, BYD33J		7724	Transistor, NPN, BC847B(COL)	
6437	Diode, Rect, BYD33J		7725	Transistor, NPN, BC847B(COL)	
6440	Diode, BAS316		7730	Transistor, NPN, BC847B(COL)	
6441	Diode, BAS316		7731	Transistor, PNP, BC857B(COL)	
6442	Zener Diode, 15 volt		7732	Transistor, NPN, BC847B(COL)	
6451	Diode, BAS316		7750	IC, TDA2616	
6452	Diode, BAS316		7901	Transistor, NPN, BC547B(COL)	
6453	Diode, BAS316		7902	Transistor, NPN, BC337-25(COL)	
6454	Zener Diode, 33 volt		7905	Transistor, NPN, BC368	
6456 6461	Zener Diode, 33 volt Diode, Rect, BYV29X-500		7906 7907	IC, L4940V85	
6463			7907	Transistor, NPN, BC847B(COL)	
6465	Diode, Rect, BYV29X-500 Diode, Rect, BYV29X-500		7908	Transistor, PNP, BC857B(COL) Transistor, PNP, BC857B(COL)	
6466	Diode, Rect, BYV29X-500		8203	Cable, 4 Pin, 340mm	
6468	Diode, Rect, BYD33D		8204	Cable, 6 Pin, 220mm	
6480	Diode, Rect, BYD33D		8317	Cable, 2 Pin, 340mm	
6481	Zener Diode, 18 volt		8324	Cable, 7 Pin, 560mm	
6482	Diode, BAS316		8340	Cable, 11 Pin 480mm	
6492	Diode, BAS316		8392	Cable, 3 Pin, 220mm	
6493	Zener Diode, 47 volt		8920	Cable, 5 Pin, 400mm	
6499	Zener Diode, 6.8 volt		8921	Cable, 3 Pin, 400mm	
6505	Zener Diode, 15 volt		8936	Cable, 11 Pin, 820mm	
6506	Diode, 1N4148		8937	Cable, 10 Pin, 340mm	
6507	Diode, Rect, BYV28-200/24		8951	Cable, 5 Pin, 340mm	
6508	Diode, Rect, BYV28-400/20		9101	Wire Jumper	
6510	Zener Diode, 15 volt		9102	Wire Jumper	
6511	Diode, BAS316		9113	Wire Jumper	
6512	Diode, BAS316		9203	Wire Jumper	
6513	Diode, Bridge Rect, REC GBU4K	 3198 010 10640	9204	Wire Jumper	3198 036 90010
6514	Zener Diode, 200 volt	 9336 018 20133	9206	Wire Jumper	3198 036 90010
6515	Zener Diode, 5.6 volt	 9335 005 90133	9210	Wire Jumper	3198 036 90010
6516	Diode, BAS316	 3198 010 10630	9212	Wire Jumper	3198 036 90010
6517	Diode, BAT85		9217	Wire Jumper	
6518	Diode, BAS316	 3198 010 10630	9219	Wire Jumper	
6519	Diode, Rect, BYD33D		9221	Wire Jumper	
6600	Diode, 1N4148	 3198 010 10010	9222	Wire Jumper	
6619	Diode, Rect, BYD33D		9224	Wire Jumper	
6620	Diode, Rect, BYV27-200	 9322 126 72673	9226	Wire Jumper	3198 036 90010
6623	Diode, BAS316		9228	Wire Jumper	
6636	Diode, BAS316		9229	Wire Jumper	
6637	Diode, BAS316		9230	Wire Jumper	
6660	Diode, BAT85		9231	Wire Jumper	
6665	Diode, BAS316		9232	Wire Jumper	
6731	Diode, BAS316		9302	Wire Jumper	
6732	Diode, BAS316		9401	Wire Jumper	
6900	Diode, BAS316		9402	Wire Jumper	
6901	Diode, 1PS76SB10		9403	Wire Jumper	
6902	Diode, 1PS76SB10		9404	Wire Jumper	
6903	Diode, 1PS76SB10		9405	Wire Jumper	
6904	Diode, 1N4148		9406	Wire Jumper	
7100 7101	Transistor, PNP, BC557B(COL)		9407 9412	Wire Jumper	
	Transistor, NPN, BC547B(COL)			Wire Jumper	
7102 S 7104	Power FET, STP3NB60FP Optical Coupler, TCDT1102G		9414 9418	Wire Jumper	
7228	Transistor, NPN, PMBT2369(UAW).		9419	Wire Jumper	
7407	Transistor, NPN, PMB12369(UAW). Transistor, NPN, BC847B(COL)		9419	Wire Jumper	
7408	Transistor, NPN, BC368		9423	Wire Jumper	
7409	Transistor, NPN, BC847B(COL)		9424	Wire Jumper	
7421	Transistor, NPN, BU2527DX		9425	Wire Jumper	
7440	IC, LM358N		9428	Wire Jumper	
7441	Transistor, NPN, BC547B(COL)		9429	Wire Jumper	
7442	Transistor, PNP, BC557B(COL)		9430	Wire Jumper	
7452	Transistor, NPN, BC847B(COL)		9431	Wire Jumper	
7480	Power FET, STP3NB60FP		9435	Wire Jumper	
7481	Transistor, PNP, BC557B(COL)	 3198 020 40110	9436	Wire Jumper	3198 036 90010
S 7482	Optical Coupler, TCDT1102G	 9319 002 76682	9505	Wire Jumper	3198 036 90010
7501	Transistor, PNP, BC857B(COL)		9510	Wire Jumper	
7502	Transistor, NPN, BF487		9512	Wire Jumper	
7504	Power FET, STP5NB40		9513	Wire Jumper	
7505	Transistor, PNP, BC857B(COL)		9515	Wire Jumper	
7506		9322 086 97676	9516	Wire Jumper	
7510	Transistor, NPN, BC847B(COL)		9518	Wire Jumper	
7528	Transistor, NPN, BC337-25(COL) .		9519	Wire Jumper	
7529	Transistor, NPN, BC847B(COL)		9520	Wire Jumper	
7600	Transistor, NPN, BC546B		9523	Wire Jumper	
7602	Transistor, NPN, BC847B(COL)		9524	Wire Jumper	
7605	Transistor, NPN, BC847B(COL)		9525	Wire Jumper	
7606	Transistor, NPN, BC847B(COL)		9528	Wire Jumper	
S 7610	Optical Coupler, TCDT1102G		9622	Wire Jumper	
S 7613	Optical Coupler, TCDT1102G		9623	Wire Jumper	
7620 7640	IC, TDA8177		9624	Wire Jumper	
7640 7641	Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL)		9705 9706	Wire Jumper	
/041	TEAMSTSCOE, NEW, DC04/B(COL)	 J±20 0±0 42030	2100	Wire Jumper	2120 020 ANOTA

9707 9712					
9712	Wire Jumper	3198 036 90010	2001 Ca	p, 33p, 5%, 50v, Ceramic	3198 016 33390
2112	Wire Jumper	3198 036 90010	2002 Ca	p, 33p, 5%, 50v, Ceramic	3198 016 33390
9713	Wire Jumper	3198 036 90010	2003 Ca	p, 2n2, 10%, 50v, Ceramic	3198 017 32220
9714	Wire Jumper	3198 036 90010	2004 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040
9715	Wire Jumper	3198 036 90010	2005 Ca	p, 100n, 10%, 16v, Ceramic	
9718	Wire Jumper			p, 100n, 10%, 16v, Ceramic	3198 017 31040
9720	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9721	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9723	Wire Jumper	3198 036 90010		p, 470p, 5%, 50v, Ceramic	3198 016 34710
	_				
9724	Wire Jumper			p, 47p, 5%, 50v, Ceramic	3198 016 34790
9726	Wire Jumper	3198 036 90010		p, 47p, 5%, 50v, Ceramic	3198 016 34790
9901	Wire Jumper	3198 036 90010		p, 47p, 5%, 50v, Ceramic	
9902	Wire Jumper	3198 036 90010		p, 100u, 20%, 16v, Electrolytic	3198 030 41010
9903	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9904	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9906	Wire Jumper	3198 036 90010	2016 Ca	p, 100u, 20%, 16v, Electrolytic	3198 030 41010
9907	Wire Jumper	3198 036 90010	2017 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040
9908	Wire Jumper	3198 036 90010	2020 Ca	p, 10n, 10%, 50v, Ceramic	3198 017 31030
9909	Wire Jumper	3198 036 90010	2027 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040
9910	Wire Jumper	3198 036 90010	2028 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040
9911	Wire Jumper	3198 036 90010	2030 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040
9912	Wire Jumper	3198 036 90010	2031 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040
9914	Wire Jumper	3198 036 90010	2300 Ca	p, 100u, 20%, 16v, Electrolytic	3198 030 41010
9916	Wire Jumper	3198 036 90010	2302 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040
9917	Wire Jumper	3198 036 90010	2303 Ca	p, 10n, 10%, 50v, Ceramic	3198 017 31030
9920	Wire Jumper	3198 036 90010		p, 10p, 5%, 50v, Ceramic	3198 016 31090
9921	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9922	Wire Jumper			p, 470p, 10%, 50v, Ceramic	3198 017 34710
9925	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9926	Wire Jumper	3198 036 90010		p, 1001, 100, 100, Ceramic	3198 016 31090
9927	Wire Jumper	3198 036 90010		p, 100n, 5%, 16v, Polypropylene	2020 319 90005
9928	Wire Jumper			p, 1001, 3%, 10V, Folypropyrene p, 100u, 20%, 16v, Electrolytic	3198 030 41010
9931	Wire Jumper	3198 036 90010		p, 1000, 20%, 10%, Electrolytic	3198 030 41010
9932	Wire Jumper	3198 036 90010		p, 2u2, +80/-20%, 10v, Ceramic	3198 017 31040
9933	Wire Jumper			p, 22n, 10%, 25v, Ceramic	3198 017 32230
9934	Wire Jumper	3198 036 90010		p, 10n, 10%, 50v, Ceramic	3198 017 32230
9936		3198 036 90010		p, 10p, 5%, 50v, Ceramic	
9943	Wire Jumper	3198 036 90010			
	Wire Jumper			p, 100n, 10%, 16v, Ceramic	3198 017 31040
9944	Wire Jumper			p, 100n, 10%, 16v, Ceramic	
9945	Wire Jumper			p, 100n, 10%, 16v, Ceramic	3198 017 31040
9946	Wire Jumper	3198 036 90010		p, 10n, 10%, 50v, Ceramic	
9947	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9948	Wire Jumper	3198 036 90010		p, 22p, 5%, 50v, Ceramic	3198 016 32290
9950	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9951	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9952	Wire Jumper			p, 100n, 10%, 16v, Ceramic	3198 017 31040
9957	Wire Jumper	3198 036 90010		p, 100n, 10%, 16v, Ceramic	3198 017 31040
9958	Wire Jumper	3198 036 90010		p, 2u2, +80/-20%, 10v, Ceramic	
9960	Wire Jumper	3198 036 90010		p, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9963	Wire Jumper	3198 036 90010	2335 Ca	p, 100u, 20%, 16v, Electrolytic	3198 030 41010
9964	Wire Jumper	3198 036 90010	2336 Ca	p, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
9965	Wire Jumper	3198 036 90010	2338 Ca	p, 10n, 10%, 50v, Ceramic	3198 017 31030
9966	Wire Jumper	3198 036 90010	2339 Ca	p, 100n, 10%, 50v, Ceramic	2222 580 15649
9967	Wire Jumper	3198 036 90010	2340 Ca	p, 10u, 20%, 16v, Electrolytic	3198 030 41090
9968	Wire Jumper	3198 036 90010	2341 Ca	p, 100u, 20%, 16v, Electrolytic	3198 030 41010
9969	Wire Jumper	3198 036 90010	2342 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040
9970	Wire Jumper	3198 036 90010	2343 Ca	p, 100n, +80/-20%, 25v, Ceramic	2100 022 41040
9971	Wire Jumper	3198 036 90010	2350 Ca	p, 100n, 10%, 16v, Ceramic	3130 073 41040
9972	THE COURSE OF TH				3198 023 41040
	Wire Jumper	3198 036 90010	2351 Ca	p, 100n, 10%, 16v, Ceramic	
9975	Wire Jumper	3198 036 90010			3198 017 31040
9975 9976	Wire Jumper	3198 036 90010 3198 036 90010	2352 Ca	p, 100n, 10%, 16v, Ceramic p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040
		3198 036 90010 3198 036 90010 3198 036 90010	2352 Ca 2356 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca	p, 100n, 10%, 16v, Ceramic p, 100n, 10%, 16v, Ceramic p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320
9976 9980 9983	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320
9976 9980 9983 9984	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33040 3198 017 33320 3198 016 31280 3198 016 31290
9976 9980 9983 9984 9987	Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31290 3198 017 34710
9976 9980 9983 9984 9987 9988	Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31290 3198 017 34710
9976 9980 9983 9984 9987 9988 9990	Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31290 3198 017 34710 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990	Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2367 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31280 3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993	Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2367 Ca 2368 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33040 3198 017 33320 3198 016 31280 3198 016 31280 3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996	Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2366 Ca 2367 Ca 2368 Ca 2369 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31290 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997	Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2367 Ca 2368 Ca 2369 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31290 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996	Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2369 Ca 2370 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 016 31280 3198 017 34710 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998	Wire Jumper	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2365 Ca 2367 Ca 2368 Ca 2367 Ca 2368 Ca 2370 Ca 2370 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31280 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2369 Ca 2370 Ca 2371 Ca 2371 Ca 2373 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 016 31280 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998	Wire Jumper.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2370 Ca 2371 Ca 2372 Ca 2372 Ca 2374 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31290 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31050 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31050 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si	Wire Jumper. Small Signal Board Small Signal Board	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2357 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2369 Ca 2370 Ca 2371 Ca 2372 Ca 2373 Ca 2373 Ca 2373 Ca 2373 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 016 31290 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small 55	Wire Jumper	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2361 Ca 2362 Ca 2362 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2367 Ca 2369 Ca 2371 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2374 Ca 2375 Ca 2376 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 33320 3198 016 31280 3198 016 31280 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 22550 3198 017 32250 3198 017 32230 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si	Wire Jumper. Oranl Board Small Signal Board Small Signal Board Sparl Soard Sparl Sparl Soard	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2369 Ca 2370 Ca 2371 Ca 2371 Ca 2373 Ca 2374 Ca 2375 Ca 2375 Ca 2375 Ca 2377 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 016 31280 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 32230 3198 017 31230 3198 017 31040 3198 017 31040 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003	Wire Jumper. Ognal Board Small Signal Board Small Signal Board 2 Pin Board Connector. Crystal, 12MHz Fuse, F315MA, 32V.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2366 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2370 Ca 2371 Ca 2372 Ca 2372 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2376 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 016 31280 3198 017 34710 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1003 1301	Wire Jumper. Compart Jumper. Wire Jumper.	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2370 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 016 31290 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 \$1003 1301 1303	Wire Jumper. Capal Board Small Signal Board Small Signal Board 2 Pin Board Connector. Crystal, 12MHz Fuse, F315MA, 32V. Crystal, 12MHz 5 Pin Board Connector.	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 9010 3198 036 90110 3192 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2365 Ca 2365 Ca 2367 Ca 2370 Ca 2371 Ca 2371 Ca 2372 Ca 2374 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2377 Ca 2377 Ca 2377 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 016 31290 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 Small Si CBA 0302 1001 S 1003 1301 1303 1304	Wire Jumper. Compart Jumper. Wire Jumper. Small Signal Board	3198 036 90010 3192 036 90010 3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2369 Ca 2370 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2377 Ca 2377 Ca 2378 Ca 2377 Ca 2378 Ca 2378 Ca 2378 Ca 2378 Ca 2379 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 016 31290 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3230 3198 017 32230 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003 1301 1303 1304 1318	Wire Jumper. Compart Jumper. Wire Jumper. Ognal Board Small Signal Board	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2370 Ca 2371 Ca 2372 Ca 2372 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2376 Ca 2376 Ca 2377 Ca 2377 Ca 2377 Ca 2378 Ca 2378 Ca 2379 Ca 2379 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 016 31280 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 Small Si CBA 0302 1301 1303 1304 1318 1407	Wire Jumper. Compart Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Wire Jumper. Vire Jumper. Vi	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2357 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2366 Ca 2366 Ca 2367 Ca 2370 Ca 2371 Ca 2372 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2377 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31290 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small si CBA 0302 1001 \$1003 1301 1303 1304 1318 1407 1408	Wire Jumper. Compart Signal Board Small Signal Board	3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90010 3198 036 90110 3198 036 90110 3198 036 90110 3198 036 90110 3198 036 90110 3198 036 90110 3198 036 90110 3198 036 90110 3198 036 90110 3198 036 90110 3198 036 90110	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2365 Ca 2365 Ca 2367 Ca 2370 Ca 2371 Ca 2371 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2377 Ca 2377 Ca 2378 Ca 2379 Ca 2379 Ca 2379 Ca 2379 Ca 2379 Ca 2379 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 016 31290 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small si CBA 0302 1001 S 1003 1301 1303 1304 1318 1407 1408	Wire Jumper. Compart Jumper. Wire Jumper. Small Signal Board Small	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2370 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2376 Ca 2377 Ca 2377 Ca 2378 Ca 2377 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31290 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 69997 9998 CBA 0302 13001 1303 1301 1303 1304 1318 1407 1408 1410 1651	Wire Jumper. Compart Jumper. Wire Jumper. Wi	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2370 Ca 2371 Ca 2372 Ca 2372 Ca 2375 Ca 2376 Ca 2376 Ca 2376 Ca 2376 Ca 2377 Ca 2377 Ca 2377 Ca 2377 Ca 2377 Ca 2377 Ca 2378 Ca 2341 Ca 2411 Ca 2411 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 3320 3198 016 31280 3198 016 31280 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 Small Si CBA 0302 1303 1304 1318 1407 1408 1410 1651 1680	Wire Jumper. Comper. Wire Jumper. Vire Jumpe	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2361 Ca 2362 Ca 2363 Ca 2365 Ca 2366 Ca 2366 Ca 2366 Ca 2366 Ca 2370 Ca 2371 Ca 2372 Ca 2372 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2376 Ca 2377 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31290 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 S 1003 1301 1303 1304 1318 1407 1408 1410 1651 1680 1681	Wire Jumper. Captal Board Small Signal	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2366 Ca 2367 Ca 2370 Ca 2371 Ca 2371 Ca 2371 Ca 2372 Ca 2375 Ca 2375 Ca 2375 Ca 2376 Ca 2377 Ca 2377 Ca 2378 Ca 2379 Ca 2379 Ca 2371 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31280 3198 017 31040
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small 53 CBA 0302 1001 S 1003 1301 1303 1304 1318 1407 1408 1410 1651 1680 1681	Wire Jumper. Compart. Wire Jumper. Wire Jump	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2370 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2377 Ca 2377 Ca 2377 Ca 2377 Ca 2378 Ca 2371 Ca 2371 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2377 Ca 2378 Ca 2379 Ca 2411 Ca 2411 Ca 2411 Ca 2411 Ca 2411 Ca 2411 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31290 3198 017 31040 3198 016 31090 3198 016 31510
9976 9980 9983 9984 9987 9988 9990 9991 9992 9993 9996 9997 9998 Small Si CBA 0302 1001 1303 1304 1318 1407 1408 1410 1651 1680 1681	Wire Jumper. Captal Board Small Signal	3198 036 90010 3198 036 90010	2352 Ca 2356 Ca 2357 Ca 2358 Ca 2361 Ca 2362 Ca 2365 Ca 2365 Ca 2366 Ca 2366 Ca 2367 Ca 2368 Ca 2370 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2376 Ca 2376 Ca 2377 Ca 2377 Ca 2377 Ca 2377 Ca 2377 Ca 2378 Ca 2371 Ca 2371 Ca 2371 Ca 2372 Ca 2373 Ca 2374 Ca 2375 Ca 2377 Ca 2378 Ca 2378 Ca 2379 Ca 2411 Ca 2411 Ca 2411 Ca 2411 Ca 2411 Ca 2411 Ca	p, 100n, 10%, 16v, Ceramic	3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 017 31040 3198 016 31280 3198 016 31290 3198 017 31040 3198 016 31090 3198 016 31510

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Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040 Cap, 47p, 5%, 50v, Ceramic . . . . . . 3198 016 34790
                                                                                             2743
                                                                                                      Cap, 22n, 10%, 25v, Ceramic. . . . . 3198 017 32230
                                                                                             2747
                                                                                                      Cap, 18p, 5%, 50v, Ceramic . . . . .
2502
         Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                             2748
                                                                                                      Cap, 18p, 5%, 50v, Ceramic . . . . .
                                                                                                                                                             3198 016 31890
2503
         Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                             2755
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                            3198 017 31040
2504
         Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                             2756
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                            3198 017 31040
2505
         Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                             2758
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                                            3198 017 31040
         Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                            3198 017 31040
2506
                                                                                             2759
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
         Cap, 330n, +80/-20%, 25v, Ceramic. . .
                                                                                             2760
                                                                                                                                                            3198 017 31040
2507
                                                               2222 910 19856
         Cap, 100u, 20%, 16v, Electrolytic. . .
                                                                                             2761
                                                                                                                                                            3198 017 31040
2508
                                                               3198 030 41010
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
        Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090 Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090
2510
                                                                                             2762
                                                                                                                                                            3198 017 31040
2511
                                                                                             2763
                                                                                                                                                            3198 017 31040
         Cap, 470n, +80/-20%, 10v, Ceramic . . . 3198 017 44740 Cap, 330p, 10%, 50v, Ceramic . . . . 3198 017 33310
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . .
2512
                                                                                             2764
                                                                                                                                                            3198 017 31040
                                                                                                                                                            3198 017 31040
2550
                                                                                             2765
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
         Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
                                                                                             2766
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
2552
                                                                                                                                                            3198 017 31040
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2553
         Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
                                                                                             2767
                                                                                                                                                            3198 017 31040
         Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
2554
                                                                                             2770
                                                                                                                                                            3198 017 31040
2555
                                                                                             2771
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                            3198 017 31040
                                                                                             2772
                                                                                                                                                            3198 017 31040
2562
         Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .

      Cap, ln, 5%, 25v, Ceramic.
      3198 016 31020

                                                                                                      2773
                                                                                                                                                            3198 016 31020
2563
                                                                                             2774
2564
                                                                                                                                                            3198 017 31040
                                                                                             2776
                                                                                                                                                            3198 017 31040
2565
        Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2566
                                                                                             2785
                                                                                                                                                            3198 017 31040
2567
                                                                                             2786
                                                                                                                                                            3198 017 31040
         Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                            3198 017 31040
2568
                                                                                             2788
2569
         Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                             2790
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                                            3198 017 31040
2570
         Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                             2792
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                                            3198 017 31040
        Cap, 100p, 5%, 50v, Ceramic. . . . . 3198 016 31010 Cap, ln, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2571
                                                                                             2795
                                                                                                                                                            3198 017 31040
2574
                                                                                             2796
                                                                                                                                                            3198 017 31040
         Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
2575
                                                                                             2798
                                                                                                      Cap, 680p, 5%, 25v, Ceramic. . . . .
                                                                                                                                                            3198 016 36810
2576
         Cap, 1n, 5%, 25v, Ceramic. . . . . .
                                                                                             2799
                                                                                                      Cap, 10u, 20%, 16v, Electrolytic . . .
                                                              3198 016 31020
                                                                                                                                                            2020 021 91556
        Cap, ln, 5%, 25v, Ceramic. . . . . 3198 016 31020 Cap, ln, 5%, 25v, Ceramic. . . . . 3198 016 31020
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . .
2577
                                                                                                                                                            3198 017 31040
                                                                                             2908
2578
                                                                                             2909
                                                                                                                                                            3198 017 31040
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . .
2579
         Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                                                                                            3198 017 31040
                                                                                             2910
         Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                                      Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
2584
                                                                                             2911
                                                                                                                                                            3198 017 31040
         Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                                                                                            3198 017 31040
                                                                                             2912
         Cap, 1n, 5%, 25v, Ceramic. . . . . . 3198 016 31020
                                                                                             3001
                                                                                                      Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                                                            3198 021 34720
2586
         Cap, 10u, 20%, 16v, Electrolytic . . . 3198 030 41090 Cap, ln, 5%, 25v, Ceramic . . . . . . 3198 016 31020
                                                                                                      Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
2591
                                                                                             3002
2593
                                                                                             3003
                                                                                                      Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
        2594
                                                                                             3004
                                                                                                      Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2595
                                                                                             3005
                                                                                                      Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
2609
                                                                                             3006
                                                                                                      Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                                      Res, 1K5, 5%, 1/16W, Metalized Glass .
Res, 10K, 5%, 1/16W, Metalized Glass .
2610
                                                                                             3007
                                                                                                                                                            3198 021 31520
2611
                                                                                             3008
                                                                                                                                                            3198 021 31030
2634
                                                                                             3009
                                                                                                      Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                                                            3198 021 34730
                                                                                             3010
                                                                                                      Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                                                            3198 021 34730
                                                                                             3011
                                                                                                      Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
2644
         Cap, 1n, 5%, 25v, Ceramic. . . . . . . 3198 016 31020
                                                                                             3012
                                                                                                      Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                                                                                                                            3198 021 32220
2645
         Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                             3013
                                                                                                      Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                                            3198 021 31030
2646
               330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                             3014
                                                                                                      Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                                                            3198 021 34720
         Cap,
2649
         Cap, 330n, +80/-20%, 25v, Ceramic. . . 2222 910 19856
                                                                                             3015
                                                                                                      Res, 470K, 5%, 1/16W, Metalized Glass. 3198 021 34740
2651
         Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                             3016
                                                                                                      Res, 1K, 5%, 1/16W, Metalized Glass. .
                                                                                                                                                            3198 021 31020
        Cap, 47p, 5%, 50v, Ceramic . . . . . 3198 016 34790 Cap, 330n, +80/-20%, 25v, Ceramic . . . 2222 910 19856
                                                                                                      Res, 4K7, 5\%, 1/16W, Metalized Glass . 3198 021 34720 Res, 24K, 1\%, 1/16W, Metalized Glass . 2322 704 62403
2652
                                                                                             3017
2653
                                                                                             3018
        Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710 Cap, 470p, 10%, 50v, Ceramic . . . . 3198 017 34710
                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2654
                                                                                             3019
                                                                                                      Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
2659
                                                                                             3021
                                                                                                      Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2660
                                                                                             3026
         Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
                                                                                             3027
2662
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                                                                                                      Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
2663
               470p, 10%, 50v, Ceramic . . . . 3198 017 34710
                                                                                             3029
                                                                                                      Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
        Cap, 470p, 10%, 50v, Ceramic . . . 3198 017 34710 Cap, 100u, 20%, 16v, Electrolytic . . . 3198 030 41010 Cap, 100u, 20%, 16c, 
2664
                                                                                             3030
                                                                                                      Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
2665
                                                                                             3031
                                                                                                      Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
        Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220 Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
2666
                                                                                             3032
2667
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2668
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                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2670
                                                                                             3035
                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2673
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        2674
                                                                                             3040
                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2677
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                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
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                                                                                                      Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
2678
2679
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                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
        2680
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                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2681
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                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2682
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                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2686
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                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2687
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                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2693
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                                                                                                      Res, 6K8, 5%, 1/16W, Metalized Glass . 3198 021 36820
2694
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                                                                                                      Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                                                            3198 021 31030
         Cap, 10u, 20%, 16v, Electrolytic . . . 2020 021 91556
                                                                                             3056
                                                                                                      Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730
                                                                                                      Res, 47K, 5%, 1/16W, Metalized Glass .
         Cap, 10u, 20%, 16v, Electrolytic . . .
                                                               2020 021 91556
2704
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                                                                                                                                                            3198 021 34730
2706
         Cap, 100u, 20%, 16v, Electrolytic. . .
                                                               2020 021 91555
                                                                                             3058
                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
2708
         Cap, 10u, 20%, 16v, Electrolytic . . .
                                                               2020 021 91556
                                                                                             3059
                                                                                                      Res, 4\text{K7}, 5\text{\%}, 1/16\text{W}, Metalized Glass . 3198 021 34720
2709
         Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                               3198 017 31040
                                                                                             3060
                                                                                                      Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
2710
         Cap, 10u, 20%, 16v, Electrolytic . . .
                                                               2020 021 91556
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                                                                                                      Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
                                                                                                      Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
2712
         Cap, 10u, 20%, 16v, Electrolytic . . .
                                                              2020 021 91556
                                                                                             3062
         Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                               3198 017 31040
2713
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                                                                                                      Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
2728
                                                               3198 017 31040
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                                                                                                      Res. 100 ohm. 5%, 1/16W. Metalized Glas 3198 021 31010
         Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
2729
                                                               3198 016 35690
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2730
                                                               3198 017 32230
                                                                                          S 3070
                                                                                                      Res, 1R5, 5%, 1/8W, Metalized Glass. .
                                                                                                                                                            2322 750 61508
                                                                                                      Res, 1RS, 5%, 1/8W, Metalized Glass . 2322 750 61508
Res, 1RS, 5%, 1/16W, Metalized Glass . 3198 021 31030
         Cap, 100p, 5%, 50v, Ceramic. . . . . 3198 016 31010 Cap, 22n, 10%, 25v, Ceramic. . . . . 3198 017 32230
2731
                                                                                          S 3071
                                                                                             3074
2733
         Cap, 22n, 10%, 25v, Ceramic. . . . . 3198 017 32230
                                                                                             3080
                                                                                                      Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
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Res, 3R9, 5%, 1/8W, Metalized Glass. . 2322 750 63908 Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040 Res, 1K8, 5%, 1/16W, Metalized Glass . 3198 021 31820
                                                                                   Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
S 3300
                                                                            3437
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  3302
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                                                                                    Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
S 3304
         Res, 3R9, 5%, 1/8W, Metalized Glass. . 2322 750 63908
                                                                            3456
                                                                                    Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
  3305
         Res, Zero ohm, "Chip" Jumper . . . .
                                                 . 3198 021 90030
                                                                            3457
                                                                                    Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                               3198 021 34720
         Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
  3306
                                                                            3458
                                                                                   Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 34720
  3307
         Res, 18K, 5%, 1/16W, Metalized Glass . 3198 021 31830
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                                                                                   Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 32220
                                                                                   Res, 3K3, 5%, 1/16W, Metalized Glass .
  3308
         Res, 680K, 5%, 1/16W, Metalized Glass. 3198 021 36840
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                                                                                                                              3198 021 33320
                                                                                   Res, 1K8, 5%, 1/16W, Metalized Glass .
         Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730
                                                                                                                              3198 021 31820
  3310
                                                                            3461
         Res, 33K, 5%, 1/16W, Metalized Glass .
                                                                                   Res, 1K2, 5%, 1/16W, Metalized Glass.
  3311
                                                    3198 021 33330
                                                                            3462
                                                                                                                              3198 021 31220
         Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
  3312
                                                                                   Res, 18K, 5%, 1/16W, Metalized Glass .
                                                                            3463
                                                                                                                              3198 021 31830
         Res, 1K, 5%, 1/16W, Metalized Glass . 3198 021 31020
Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
  3313
                                                                            3465
                                                                                   Res, 33K, 5%, 1/16W, Metalized Glass.
                                                                                                                              3198 021 33330
  3314
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                                                                                   Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                               3198 021 31030
         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
  3315
                                                                            3469
                                                                                    Res, 100K, 5%, 1/16W, Metalized Glass.
                                                                                                                               3198 021 31040
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                                                                                   Res, 100K, 5%, 1/16W, Metalized Glass.
                                                                                                                              3198 021 31040
  3316
  3317
         Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
                                                                            3519
                                                                                   Res, 10K, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 31030
                                                                                   Res, 47K, 5%, 1/16W, Metalized Glass .
  3318
         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                            3521
                                                                                                                              3198 021 34730
  3319
         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                            3522
                                                                                   Res, 47K, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 34730
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010 Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                   Res, 100K, 5%, 1/16W, Metalized Glass. Res, 100K, 5%, 1/16W, Metalized Glass.
  3320
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                                                                                                                              3198 021 31040
  3321
                                                                            3524
                                                                                   Res, 680K, 5%, 1/16W, Metalized Glass.
  3322
         Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                            3525
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         Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                   Res, 1M, 5%, 1/16W, Metalized Glass. .
  3324
                                                    3198 021 34720
                                                                            3526
                                                                                                                              3198 021 31050
  3327
         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
                                                                            3527
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3328
         Res, 39K, 5%, 1/16W, Metalized Glass . 3198 021 33930
                                                                            3529
                                                                                   Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
  3329
         Res, 6R8, 5%, 1/8W, Metalized Glass. . 2322 750 66808
                                                                            3530
                                                                                   Res, 1K, 5%, 1/16W, Metalized Glass. .
                                                                                                                               3198 021 31020
         Res, 3K3, 5%, 1/16W, Metalized Glass .
                                                    3198 021 33320
                                                                            3531
                                                                                   Res, 8K2, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 38220
  3330
  3331
         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                            3532
                                                                                   Res, 27K, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 32730
  3332
         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                            3546
                                                                                   Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  3333
         Res, 1K, 5%, 1/16W, Metalized Glass. .
                                                    3198 021 31020
                                                                            3550
                                                                                   Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
         Res, 1K8, 5%, 1/16W, Metalized Glass .
  3335
                                                    3198 021 31820
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         Res, 1K, 5%, 1/16W, Metalized Glass. .
  3336
                                                    3198 021 31020
                                                                            3559
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
         Res, 3K9, 5%, 1/16W, Metalized Glass . 3198 021 33330
Res, 3K9, 5%, 1/16W, Metalized Glass . 3198 021 33920
  3337
                                                                            3560
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3338
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  3340
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                            3562
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3341
                                                                            3563
  3342
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                            3564
                                                                                    Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
         Res, 68K, 5%, 1/16W, Metalized Glass . 3198 021 36830
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3343
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  3344
         Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                    3198 021 32220
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                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3345
         Res, 10K, 5%, 1/16W, Metalized Glass .
                                                    3198 021 31030
                                                                            3567
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3346
         Res, 33K, 5%, 1/16W, Metalized Glass .
                                                    3198 021 33330
                                                                            3570
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3347
         Res, 22K, 5%, 1/16W, Metalized Glass .
                                                    3198 021 32230
                                                                            3571
  3348
         Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                    3198 021 32220
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                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030
  3350
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                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3351
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                                                                                   Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
  3352
         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
                                                                            3636
                                                                                   Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
  3353
         Res, 1K, 5%, 1/16W, Metalized Glass. .
                                                    3198 021 31020
                                                                            3637
                                                                                   Res, 56K, 5%, 1/16W, Metalized Glass . 3198 021 35630
  3354
         Res, 2K2, 5%, 1/16W, Metalized Glass .
                                                    3198 021 32220
                                                                            3642
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  3355
         Res, 33K, 5%, 1/16W, Metalized Glass . 3198 021 33330
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                            3643
  3358
         Res, 1K8, 5%, 1/16W, Metalized Glass .
                                                    3198 021 31820
                                                                          S 3644
                                                                                   Res, 4R7, 5%, 1/8W, Metalized Glass. . 2322 750 64708
  3359
         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
                                                                            3651
                                                                                   Res, 22K, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 32230
  3360
         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
                                                                            3652
                                                                                   Res, 22K, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 32230
         Res, 10K, 5%, 1/16W, Metalized Glass . 3198 021 31030 Res, 1K, 5%, 1/16W, Metalized Glass . 3198 021 31020
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                                                                                   Res, 6K8, 5%, 1/16W, Metalized Glass . 3198 021 36820
  3363
                                                                                   Res. 6K8, 5%, 1/16W, Metalized Glass . 3198 021 36820
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         Res, 68K, 5%, 1/16W, Metalized Glass .
                                                    3198 021 36830
  3364
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                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
         Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3365
                                                                            3656
  3366
         Res, 3K9, 5%, 1/16W, Metalized Glass .
                                                    3198 021 33920
                                                                            3657
                                                                                   Res, 82K, 5%, 1/16W, Metalized Glass . 3198 021 38230
         Res, 3K9, 5%, 1/16W, Metalized Glass . 3198 021 33920
                                                                                   Res, 150K, 5%, 1/16W, Metalized Glass. 3198 021 31540
  3367
  3370
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                            3666
                                                                                   Res, 150K, 5%, 1/16W, Metalized Glass.
                                                                                                                              3198 021 31540
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  3371
         Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                                                            3667
                                                                                   Res, 56K, 5%, 1/16W, Metalized Glass .
  3372
         Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
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                                                                                   Res, 82K, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 38230
  3373
         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
                                                                            3669
                                                                                   Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
  3374
         Res, 33K, 5%, 1/16W, Metalized Glass .
                                                    3198 021 33330
                                                                            3670
                                                                                   Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3375
                                                                            3671
                                                                                   Res, 680 ohm, 5%, 1/16W, Metalized Glas 3198 021 36810
  3376
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                            3684
                                                                                   Res, 6K8, 5%, 1/16W, Metalized Glass . 3198 021 36820
  3377
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                            3685
                                                                                   Res, 6K8, 5%, 1/16W, Metalized Glass.
                                                                                                                              3198 021 36820
  3378
         Res, 15K, 5%, 1/16W, Metalized Glass . 3198 021 31530
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                                                                                   Res, 22K, 5%, 1/16W, Metalized Glass .
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  3382
         Res, 390 ohm, 5%, 1/16W, Metalized Glas 3198 021 33910
                                                                            3687
                                                                                   Res, 22K, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 32230
                                                                                   Res, 6K8, 5%, 1/16W, Metalized Glass .
  3384
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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                                                                                                                              3198 021 36820
                                                                                    Res, 6K8, 5%, 1/16W, Metalized Glass .
  3385
         Res, 470 ohm, 5%,
                            1/16W, Metalized Glas 3198 021 34710
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                                                                                                                               3198 021 36820
  3386
         Res, 22K, 5%, 1/16W, Metalized Glass . 3198 021 32230
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                                                                                   Res, 22K, 5%, 1/16W, Metalized Glass .
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  3387
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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                                                                                   Res, 22K, 5%, 1/16W, Metalized Glass .
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                                                                                   Res, 6K8, 5%, 1/16W, Metalized Glass .
  3388
         Res, 680 ohm, 5%, 1/16W, Metalized Glas 3198 021 36810
                                                                            3692
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  3389
         Res, 47K, 5%, 1/16W, Metalized Glass . 3198 021 34730
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                                                                                   Res, 6K8, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 36820
  3390
         Res, 18K, 5%, 1/16W, Metalized Glass . 3198 021 31830
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                                                                                   Res, 22K, 5%, 1/16W, Metalized Glass .
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         Res, 68K, 5%, 1/16W, Metalized Glass .
  3391
                                                                            3695
                                                                                   Res, 22K, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 32230
                                                    3198 021 36830
         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
Res, 4K7, 5%, 1/16W, Metalized Glass. 3198 021 34720
                                                                                   Res, 680 ohm, 5%, 1/16W, Metalized Glas 3198 021 36810
  3393
                                                                            3698
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                                                                                   Res, 22 ohm, 5%, 1/16W, Metalized Glass 3198 021 32290
  3394
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3395
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                                                                                    Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3396
                                                                            3705
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                            3706
  3397
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                    Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
         Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3398
                                                                            3707
                                                                                    Res, 3K9, 5%, 1/16W, Metalized Glass . 3198 021 33920
  3400
         Res, 4R7, 5%, 1/8W, Metalized Glass. . 2322 750 64708
                                                                            3708
                                                                                   Res, 2K7, 5%, 1/16W, Metalized Glass.
                                                                                                                              3198 021 32720
                                                                                   Res, Zero ohm, "Chip" Jumper . . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
  3401
         Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
                                                                            3709
                                                                                                                              3198 021 90030
  3402
         Res, 1K, 5%, 1/16W, Metalized Glass. .
                                                    3198 021 31020
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                                                                                   Res, 1K, 5%, 1/16W, Metalized Glass . 3198 021 31020
Res, 22 ohm, 5%, 1/16W, Metalized Glass 3198 021 32290
  3403
         Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90030
                                                                            3711
         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
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  3405
  3415
         Res, 8K2, 5%, 1/16W, Metalized Glass . 3198 021 38220
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                                                                                   Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
  3416
         Res, 6R8, 5%, 1/8W, Metalized Glass. . 2322 750 66808
                                                                            3717
                                                                                   Res, 4K7, 5%, 1/16W, Metalized Glass .
                                                                                                                              3198 021 34720
         Res, 390 ohm, 5%, 1/16W, Metalized Glas 3198 021 33910
                                                                            3718
                                                                                    Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
  3418
         Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                            3725
                                                                                    Res, 1M, 5%, 1/16W, Metalized Glass. . 3198 021 31050
         Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                            3728
                                                                                    Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  3420
         Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
                                                                            3731
                                                                                   Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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Res, Zero ohm, "Chip" Jumper . . . . . . Res, Zero ohm, "Chip" Jumper . . . . .
           Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
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           Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
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3739
           Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                                                 4935
                                                                                                                            Res, Zero ohm,
                                                                                                                                                     "Chip" Jumper . . . . .
                                                                                                                                                                                              3198 021 90030
           Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90030 Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                                                           Res, Zero ohm, "Chip" Jumper . . . . .
3740
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3741
                                                                                                                 4938
                                                                                                                                                                                              3198 021 90030
3744
           Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                                                 4939
                                                                                                                                                                                             3198 021 90030
3745
           Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
                                                                                                                 4944
                                                                                                                                                                                             3198 021 90030
          Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720 Res, 68 ohm, 5%, 1/16W, Metalized Glass 3198 021 36890
3746
                                                                                                                 4945
                                                                                                                                                                                             3198 021 90030
3747
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           Res, 68 ohm, 5%, 1/16W, Metalized Glass 3198 021 36890
3748
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3749
           Res, 68 ohm, 5%, 1/16W, Metalized Glass 3198 021 36890
                                                                                                                 4948
                                                                                                                                                                                             3198 021 90030
3754
           Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
                                                                                                                 4949
                                                                                                                                                                                             3198 021 90030
           3755
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                                                                                                                                                                                              3198 021 90030
3757
                                                                                                                 4951
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3759
                                                                                                                 4952
                                                                                                                                                                                             3198 021 90030
3790
           Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010
                                                                                                                 4953
                                                                                                                                                                                             3198 021 90030
3791
           Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010
                                                                                                                 4954
                                                                                                                                                                                             3198 021 90030
          Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010 Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010 Resistor Network, 4 X 100 ohm, 5%. . . 3198 031 11010
3792
                                                                                                                 5301
                                                                                                                            3198 018 36880
                                                                                                                           Coil, 6u8.

Res, Zero ohm, "Chip" Jumper

Res, Zero ohm, "Chip" Jumper
3793
                                                                                                                 5302
                                                                                                                                                                                             3198 018 36880
3794
                                                                                                                                                                                             3198 021 90030
                                                                                                                 5303
3795
                                                                            3198 031 11010
                                                                                                                                                                                             3198 021 90030
           Resistor Network, 4 X 100 ohm, 5%. . .
                                                                                                                 5304
           Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
3796
                                                                                                                 5305
                                                                                                                                                                                             3198 021 90030
3797
           Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
                                                                                                                 5306
                                                                                                                                                                                             3198 021 90030
3900
           Inductor, 100MHz, 600 ohm. . . . . . . 3198 018 90040
                                                                                                                 5307
                                                                                                                                                                                             3198 021 90030
                                                                                                                            3901
           Inductor, 100MHz, 600 ohm. . . . . . .
                                                                             3198 018 90040
                                                                                                                 5308
                                                                                                                                                                                             3198 021 90030
3902
           Inductor, 100MHz, 600 ohm. . . . . .
                                                                            3198 018 90040
                                                                                                                 5309
                                                                                                                                                                                             3198 021 90030
          3903
                                                                                                                 5401
                                                                                                                                                                                             3198 018 33970
3904
                                                                                                                 5406
                                                                                                                                                                                             3198 018 31590
                                                                                                                            Ferrite Bead, 100MHz . . . . . . . .
3905
                                                                                                                 5407
                                                                                                                                                                                             2422 535 95427
                                                                                                                           Ferrite Bead, 100MHz
Variable Coil.

Ferrite Bead, 100MHz
Coil, 1u
Res, Zero ohm, "Chip" Jumper
Ferrite Bead, 100MHz
3906
                                                                                                                 5408
                                                                                                                                                                                             2422 549 44875
3907
                                                                                                                                                                                             2422 535 95427
                                                                                                                 5409
3908
                                                                                                                 5410
                                                                                                                                                                                             3198 018 51080
3909
                                                                                                                                                                                             3198 021 90030
                                                                                                                 5412
3910
                                                                                                                 5413
                                                                                                                                                                                             3198 021 90030
          Inductor, 100MHz, 600 ohm.
Inductor, 100MHz, 600 ohm.
Res, Zero ohm, "Chip" Jumper
3911
                                                                            3198 018 90040
                                                                                                                 5414
                                                                                                                                                                                             3198 021 90030
4302
                                                                            3198 021 90030
                                                                                                                 5651
                                                                                                                                                                                             2422 549 43769
4303
                                                                            3198 021 90030
                                                                                                                            Ferrite Bead, 100MHz . . . . . . . . .
                                                                                                                                                                                             2422 549 43769
                                                                                                                 5652
                                                                                                                            4304
                                                                            3198 021 90030
                                                                                                                 5653
                                                                                                                                                                                             2422 549 43769
                                                                                                                          4322
                                                                            3198 021 90030
                                                                                                                 5654
                                                                                                                                                                                             3198 018 90060
4326
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                                                                                                                 5656
                                                                                                                                                                                             3198 018 36880
                                                                            3198 021 90030
4369
                                                                                                                 5657
                                                                                                                                                                                             3198 021 90030
                                                                            3198 021 90030
4401
                                                                                                                 5658
                                                                                                                                                                                             3198 021 90030
                                                                            3198 021 90030
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4406
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4407
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                                                                                                                 5660
                                                                                                                                                                                             3198 021 90030
                                                                            3198 021 90030
4409
                                                                                                                 5661
                                                                                                                                                                                             3198 021 90030
4520
           Res, Zero ohm, "Chip" Jumper . . . . .
                                                                            3198 021 90030
                                                                                                                 5662
                                                                                                                                                                                             3198 021 90030

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

4522
                                                                                                                 5663
                                                                                                                                                                                              3198 021 90030
4603
                                                                                                                 5664
                                                                                                                                                                                             3198 018 90060
4604
                                                                                                                 5665
                                                                                                                                                                                             3198 018 90060
4610
                                                                                                                 5666
                                                                                                                                                                                             3198 021 90030
           Res, Zero ohm, "Chip" Jumper . . . .
4611
                                                                            3198 021 90030
                                                                                                                 5667
                                                                                                                                                                                             3198 021 90030

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

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4613
                                                                                                                 5668
                                                                                                                 5701
                                                                                                                                                                                             3198 018 90080
4632
                                                                                                                 5702
                                                                                                                                                                                             2422 535 95427
4633
                                                                                                                 5703
                                                                                                                                                                                             3198 018 90060
4642
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4645
                                                                                                                                                                                             2422 535 95427
                                                                                                                           5706
                                                                                                                                                                                             3198 018 35680
4652
                                                                                                                            5707
4682
                                                                                                                                                                                             3198 018 90040
4683
                                                                                                                 5711
                                                                                                                                                                                             3198 018 90040

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

4684
                                                                                                                 5713
                                                                                                                                                                                             3198 018 90040
4685
                                                                                                                5718
                                                                                                                                                                                             3198 018 33370
4686
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                                                                                                                                                                                             3198 018 90040
4687
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                                                                                                                                                                                             3198 018 90060
                                                                                                                 5799
4688
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                                                                                                                 5900
                                                                                                                                                                                             3198 018 90060
4689
4712

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

                                                                                                                 5901
                                                                                                                                                                                             3198 018 90060
4713
                                                                                                                 5902
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4714
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4715
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                                                                                                                                                                                             3198 018 90060
4716
                                                                                                                 6003
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4717
                                                                                                                 6303
                                                                                                                                                                                             9340 389 00115
4723
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                                                                                                                                                                                             3198 010 10630
4724
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                                                                                                                                                                                             3198 020 55680
4726
                                                                                                                6307
                                                                                                                                                                                             9340 453 90115
                                                                                                                                                                                             3198 010 10630
4732
                                                                                                                 6309
          3198 021 90030
4734
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                                                                                                                                                                                             3198 020 56880
4792
                                                                            3198 021 90030
                                                                                                                 6311
                                                                                                                                                                                             3198 020 52290
                                                                            3198 021 90030
4793
                                                                                                                 6312
                                                                                                                                                                                             3198 010 10630
           Res, Zero ohm,
                                   "Chip" Jumper . . . . .
4901
                                                                            3198 021 90030
                                                                                                                 6313
                                                                                                                                                                                             3198 020 52290

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

      Res, Zero ohm, "Chip" Jumper
      3198 021 90030

4902
                                                                                                                                                                                              3198 010 10630
                                                                                                                 6314
4903
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4904
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4905
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                                                                                                                            4906
                                                                                                                 6319
                                                                                                                                                                                             3198 010 10630
          4907
                                                                            3198 021 90030
                                                                                                                6652
                                                                                                                                                                                             3198 020 51090
4908
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                                                                                                                6654
                                                                                                                                                                                             3198 010 10630
4909
                                                                            3198 021 90030
                                                                                                                6657
                                                                                                                                                                                             9340 548 43115
                                   "Chip" Jumper . . . . . "Chip" Jumper . . . . .
                                                                                                                            4919
                                                                            3198 021 90030
                                                                                                                 6658
                                                                                                                                                                                             3198 010 10630
           Res, Zero ohm,

      IC, SAA5677/HL/M1.
      9352 692 99557

      Transistor, PNP, BC857B(COL)
      3198 010 42150

      Transistor, NPN, BC847BW(COL)
      3198 010 42310

      Transistor, NPN, BC847BW(COL)
      3198 010 42310

4920
           Res, Zero ohm,
                                                                            3198 021 90030
                                                                                                                 7001
           4921
                                                                            3198 021 90030
                                                                                                                 7002
                                                                            3198 021 90030
                                                                                                                7003
4925
           Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90030
                                                                                                                7004
4927
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IC, LD1117D33. . . . . . . . . . . . . . 9322 116 74668
Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360
                                                                                  2035
                                                                                          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                          Cap, 1u, 20%, 50v, Electrolytic. . . .
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . .
  7007
          Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360
                                                                                  2037
                                                                                                                                        3198 017 31040
  7009
          IC, LD1117D33. . . . . . . . . . . . . . . 9322 116 74668
                                                                                  2041
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                        3198 017 31040
          IC, M24C32 . .
  7012
                                       . . . . . . . 9322 124 74668
                                                                                  2042
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                        3198 017 31040
  7013
          Transistor, NPN, PDTC144EU . . . . . . 3198 010 44330
                                                                                  2043
                                                                                          Cap, 47u, 20%, 16v, Electrolytic . . .
                                                                                                                                        3198 030 44790
  7301
                                                                                                                                        3198 017 31040
          IC, TDA9330H/N3. . . . . . . . . . . . 9352 681 65518
                                                                                  2044
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . . .
          Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 47u, 20%, 16v, Electrolytic . . .
  7303
                                                                                  2045
                                                                                                                                        3198 017 31040
          Transistor, NPN, PDTC144EU . . . . . . 3198 010 44330
  7304
                                                                                                                                        3198 030 44790
                                                                                  2046
          Transistor, NPN, BC847BW(COL). . . . 3198 010 42310 Transistor, NPN, BC847BW(COL). . . . 3198 010 42310
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . . . Cap, 100n, 10%, 16v, Ceramic . . . . .
  7305
                                                                                  2047
                                                                                                                                        3198 017 31040
  7306
                                                                                                                                        3198 017 31040
                                                                                  2048
          Transistor, NPN, PDTC144EU . . . . 3198 010 44330 Transistor, NPN, PDTC144EU . . . . 3198 010 44330
                                                                                          Cap, 47u, 20%, 16v, Electrolytic . . . Cap, 10u, 20%, 20v, Electrolytic . . .
  7308
                                                                                  2049
                                                                                                                                        3198 030 44790
  7309
                                                                                  2051
                                                                                                                                        3198 032 55130
          Transistor, NPN, PDTC144EU . . . . 3198 010 44330 Transistor, NPN, BC847BW(COL) . . . . 3198 010 42310
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . .
  7310
                                                                                  2052
                                                                                                                                        3198 017 31040
                                                                                                                                        3198 032 55130
  7311
                                                                                          Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                  2053
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
  7312
                                                                                  2054
                                                                                          Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                        3198 032 55130
  7313
          Transistor, NPN, PMBT2369(UAW) . . . . 3198 010 43360
                                                                                  2055
                                                                                          Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                        3198 032 55130
  7314
          Transistor, NPN, BC847BW(COL). . . . . 3198 010 42310
                                                                                  2056
                                                                                          Cap, 10u, 20%, 20v, Electrolytic . . .
                                                                                                                                        3198 032 55130
                                                                                          Cap, 150p, 5%, 50v, Ceramic. . . . . . Cap, 22p, 5%, 50v, Ceramic . . . . .
          Transistor, NPN, PMBT2369(UAW) . . . 3198 010 43360
Transistor, NPN, BC857BW(COL) . . . 3198 010 42320
Transistor, NPN, BC847BW(COL) . . . 3198 010 42310
  7315
                                                                                  2057
                                                                                                                                        3198 016 31510
  7318
                                                                                                                                        3198 016 32290
                                                                                  2059
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . .
  7320
                                                                                  2061
                                                                                                                                        3198 016 32290
          Transistor, NPN, BC847BW(COL)....
                                                                                          Cap, 150p, 5%, 50v, Ceramic. . . . .
  7322
                                                        3198 010 42310
                                                                                                                                        3198 016 31510
                                                                                  2062
                                  . . . . . . . . . . 9352 625 24518
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . .
  7323
          IC, TDA9321H/N2. . .
                                                                                  2063
                                                                                                                                        3198 016 32290
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . . .
  7324
          Transistor, NPN, BC847CW . . . . . . 9340 217 80115
                                                                                  2064
                                                                                                                                        3198 017 31040
          Transistor, NPN, BC847BW(COL). . . . 3198 010 42310 Transistor, NPN, BC847BW(COL). . . . 3198 010 42310
  7375
                                                                                  2065
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                        3198 017 31040
  7410
                                                                                          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                        3198 017 31040
                                                                                  2066
          Transistor, NPN, BC847B(COL) . . . . 3198 010 42030 Transistor, NPN, BFS20 . . . . . . . 9330 921 11215
  7411
                                                                                  2067
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . . 3198 016 32290
  7413
                                                                                  2068
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . . 3198 016 32290
  7651
          IC, MSP3421G-FH-B8V3 . .
                                       . . . . . . . 9322 183 23671
                                                                                  2069
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . .
                                                                                                                                        3198 016 32290
          Transistor, NPN, BC847BPN. . . . . . . 9340 425 30115
                                                                                          Cap, 22p, 5%, 50v, Ceramic . . . . . . 3198 016 32290
  7664
                                                                                  2070
          Transistor, NPN, BC847BPN. . . . 9340 425 30115
Transistor, NPN, BC857BW(COL) . . . 3198 010 42320
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7665
                                                                                  3000
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  7668
                                                                                  3001
          Transistor, NPN, BC847BS . . . . . 9340 425 20115
Transistor, NPN, BC847BS . . . . . 9340 425 20115
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7675
                                                                                  3002
  7678
                                                                                  3003
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
          Transistor, NPN, BC857BW(COL). . . . . 3198 010 42320
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  7701
                                                                                  3004
  7702
          Transistor, NPN, BC847BW(COL). . . . .
                                                        3198 010 42310
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                                  3005
  7704
          Transistor, NPN, PMBT2369(UAW) . . . .
                                                        3198 010 43360
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                  3006
  7708
          IC, SAA4990H .
                             . . . . . . . . . . . .
                                                       9352 067 50557
                                                                                  3007
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
  7709
          IC, SAA4978H/V204.
                                . . . . . . . . . . . . 9352 688 09557
                                                                                  3008
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210

      IC, MSM54V12222B-25JS.
      9322
      183
      81668

      IC, MSM54V12222B-25JS.
      9322
      183
      81668

      IC, MSM54V12222B-25JS.
      9322
      183
      81668

  7714
                                                                                  3009
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                                          Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620 Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610 Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  7715
                                                                                  3010
  7716
          2422 486 80938
                                                                                  3011
          7716
                                                                                  3012
                                                                                          Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
  7717
                                                                                  3013
  7799
                                                                                  3014
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
          Cable, 2 Pin, 180mm. . . . . . . . . . . . . . . . 3104 311 03031
                                                                                  3015
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  8303
          Cable, 5 Pin, 400mm. . . . . . . . . . . . . . . . 3104 311 03221
                                                                                  3016
                                                                                          Res, 33 ohm, 5%, 1/16W, Metalized Glass 3198 021 33390
          Cable, 7 Pin, 280mm. . . . . . . . . . . . . 3104 311 03241
                                                                                  3017
                                                                                          Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
  8304
  8680
          3018
                                                                                          Res, 100 ohm, 5%, 1/16W, Metalized Glas 3198 021 31010
  8681
                                                                                  3019
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
  8682
                                                                                  3020
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                                          Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                  3021
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210
                                                                                  3022
3D Comb Filter
          3D Comb Filter
                                                                                  3023
                                                                                          Res, 120 ohm, 5%, 1/16W, Metalized Glas 3198 021 31210

      3D Comb Filter
      3135 037 10301

      Crystal, 20MHz
      2422 543 01273

      5 Pin Board Connector
      2422 025 15848

                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
                                                                                  3024
  CRA
                                                                                  3025
                                                                                          Res, 5K6, 5%, 1/16W, Metalized Glass . 3198 021 35620
  1001
                                                                                          Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
                                                                                  3026
  1104
  1303
          6 Pin Board Connector. . . . . . . . . . 2422 025 10428
                                                                                  3027
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
          5 Pin Board Connector. . . . . . . . . 2422 025 15848
  1951
                                                                                  3028
                                                                                          Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
          Cap, 22p, 5%, 50v, Ceramic . . . . 3198 016 32290 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3029
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2000
  2001
                                                                                  3030
                                                                                          Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
                                                                                          Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230 Res, 12K, 5%, 1/16W, Metalized Glass . 3198 021 31230
  2002
          Cap, 47u, 20%, 20v, Electrolytic . . . 3198 032 58170
                                                                                  3031
  2003
          Cap, 22p, 5%, 50v, Ceramic . . . . . 3198 016 32290
                                                                                  3032
  2004
          Cap, 100u, 20%, 16v, Electrolytic. . . 3198 030 41010
                                                                                  3033
                                                                                          Res, 150 ohm, 5%, 1/16W, Metalized Glas 3198 021 31510
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 47u, 20%, 20v, Electrolytic . . . 3198 032 58170
                                                                                          Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                  3034
  2005
                                                                                          Res, 180 ohm, 5%, 1/16W, Metalized Glas 3198 021 31810
                                                                                  3035
  2006
          2008
                                                                                  3036
                                                                                          Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710
                                                                                  3037
                                                                                          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2009
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2010
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3038
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3039
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3040
                                                                                          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
  2012
          Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 31030
                                                                                  3041
                                                                                          Res, 820 ohm, 5%, 1/16W, Metalized Glas 3198 021 38210
  2013
                                                                                          Res, 3K3, 1%, 1/16W, Metalized Glass . 2322 704 73302
Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 31520
  2014
          Cap, 100n, 10%, 16v, Ceramic .
                                              . . . . 3198 017 31040
                                                                                  3042
  2015
          Cap, 10u, 20%, 20v, Electrolytic . . . 3198 032 55130
                                                                                  3043
          Cap, 10n, 10%, 50v, Ceramic. . . . . 3198 017 31030
                                                                                  3044
                                                                                          Res, 10 ohm, 5%, 1/16W, Metalized Glass 3198 021 31090
  2016
                                                                                          Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
                                                                                  3055
  2017
          Cap, 150p, 5%, 50v, Ceramic. . . . . 3198 016 31510
                                                                                          Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020 Res, 2K2, 5%, 1/16W, Metalized Glass . 3198 021 32220
                                                                                  3056
  2018
          Cap, 150p, 5%, 50v, Ceramic. . . . .
                                                        3198 016 31510
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3057
  2019
                                                                                          Res, 220K, 5%, 1/16W, Metalized Glass. 3198 021 32240 Res, 27K, 5%, 1/16W, Metalized Glass. 3198 021 32730
  2020
                                                                                  3058
                                                                                  3059
          Cap, 22p, 5%, 50v, Ceramic . . . . .
                                                                                          Res, 470 ohm, 5%, 1/16W, Metalized Glas 3198 021 34710
                                                        3198 016 32290
                                                                                  3060
          Cap, 22p, 5%, 50v, Ceramic . . . . .
                                                        3198 016 32290
                                                                                  3061
                                                                                          Res, 4K7, 5%, 1/16W, Metalized Glass . 3198 021 34720
  2023
  2024
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 31040
                                                                                  3065
                                                                                          Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
  2026
          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                        3198 017 31040
                                                                                  3067
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790
                                                                                          Res, 47 ohm, 5%, 1/16W, Metalized Glass 3198 021 34790 Res, 100K, 5%, 1/16W, Metalized Glass. 3198 021 31040
  2027
          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                        3198 017 31040
3198 017 31040
                                                                                  3068
                                                                                  3069
  2028
          Cap, 100n, 10%, 16v, Ceramic . . . . .
          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                        3198 017 31040
                                                                                  3071
                                                                                          Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 31520 Res, 2K7, 5%, 1/16W, Metalized Glass . 3198 021 32720
  2029
          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                        3198 017 31040
                                                                                  3072
  2030
          Cap, 100n, 10%, 16v, Ceramic . . . .
                                                        3198 017 31040
                                                                                  3073
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  2031
          Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                        3198 017 31040
                                                                                  3074
                                                                                          Res, 330 ohm, 5%, 1/16W, Metalized Glas 3198 021 33310
  2032
          Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                  3076
                                                                                          Res, 1K, 5%, 1/16W, Metalized Glass. . 3198 021 31020
  2033
                                                        3198 017 31040
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 31040
                                                                                  3077
                                                                                          Res, 220 ohm, 5%, 1/16W, Metalized Glas 3198 021 32210
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3082 3083 3085 3088 3089 3091 3095 3096 3097	Res, 47 ohm, 5%, 1/16W, Metalized Glass Res, 47 ohm, 5%, 1/16W, Metalized Glass Res, 470 ohm, 5%, 1/16W, Metalized Glass Res, 1K, 5%, 1/16W, Metalized Glass. Res, 150 ohm, 5%, 1/16W, Metalized Glass Res, 10 ohm, 5%, 1/16W, Metalized Glass Res, 100K, 5%, 1/16W, Metalized Glass Res, 180 ohm, 5%, 1/16W, Metalized Glass Res, 1K8, 5%, 1/16W, Metal	3198 02 3198 02 3198 02 3198 02 3198 02 3198 02 3198 02 3198 02	21 3 21 3 21 3 21 3 21 3 21 3 21 3 21 3	34790 34710 31020 31510 31090 31040 31810 31820	3292 3293 3294 3295 3296 3297 4241 4243 6291	Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 1K, 5%, 1/6W, Carbon Film 3198 011 01020 Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 3K9, 5%, 1/6W, Carbon Film 3198 011 03920 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030 Res, Zero ohm, "Chip" Jumper 3198 021 90020 Res, Zero ohm, "Chip" Jumper 3198 021 90020 Zener Diode, 12 volt 3198 020 51290
3098 3099 3100 3101 3102 S 3103 S 3104	Res, 5K6, 5%, 1/16W, Metalized Glass . Res, 470 ohm, 5%, 1/16W, Metalized Glass Res, 1K, 5%, 1/16W, Metalized Glass . Res, 1K, 5%, 1/16W, Metalized Glass . Res, 100 ohm, 5%, 1/16W, Metalized Glass Res, PTC, Overload Protection Res, PTC, Overload Protection	3198 03 3198 03 3198 03 2122 66 2122 66	21 3 21 3 21 3 21 3 52 0	34710 31020 31020 31010 00139 00139	6292 6293 6294 6296 6297 9231 9232	Zener Diode, 12 volt 3198 020 51290 Wire Jumper 3198 036 90010 Wire Jumper 3198 036 90010
3105 5000 5001 5003	Res, 560 ohm, 5%, 1/16W, Metalized Glas Coil, 100MHz, 120 ohm	3198 03 3198 03	18 9 18 9	90070 90070	Top Cont	rol Panel Top Control Panel
5004	Filter, 14.3MHz	2422 5	49 4	44784	Top Cont	rol Panel
5005 5006	Coil, 10u				CBA	Top Control Panel Top Control Panel
5007	Coil, 10u	3198 0	18 4	41090	0158	CBLE HR-BK 3P/1340/3P HR-BK 3139 131 01711
5008 5009	Coil, 22u				0215 1091	3 Pin Board Connector
5010	Coil, 15u	2422 5	35 9	94758	1092	Switch 2422 128 02742
5011 5012	Coil, 100MHz, 120 ohm				1093 1094	Switch
5013	Coil, 100MHz, 120 ohm	3198 0	18 9	90070	2010	Cap, 10n, 10%, 50v, Ceramic 3198 017 01030
5014 5015	Inductor, 100MHz, 30 ohm	3198 01 3198 01			3091 3092	Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610 Res, 390 ohm, 5%, 1/16W, Metalized Glas 3198 021 33910
5017	Coil, 100MHz, 120 ohm	3198 0	18 9	90070	3093	Res, 560 ohm, 5%, 1/16W, Metalized Glas 3198 021 35610
5019 5020	Coil, 10u	3198 01 3198 01			3094 3095	Res, 270 ohm, 5%, 1/16W, Metalized Glas 3198 021 32710 Res, 3K3, 5%, 1/16W, Metalized Glass . 3198 021 33320
5021	Coil, 100MHz, 120 ohm				3096	Res, 1K5, 5%, 1/16W, Metalized Glass . 3198 021 33520
5022 5024	Coil, 100MHz, 120 ohm				4089 4090	Res, Zero ohm, "Chip" Jumper 3198 021 90030 Res, Zero ohm, "Chip" Jumper 3198 021 90030
5025	Coil, 100MHz, 120 ohm	3198 0			6091	Diode, BAT254 9340 393 00115
5027 5028	Coil, 100MHz, 120 ohm				DG 61-151	Page 1
5029	Coil, 100MHz, 120 ohm	3198 0			DC Shift	DC Shift Panel
5030 6000	Coil, 100MHz, 120 ohm	3198 0			CBA	DC Shift Panel
6001	Diode, BAV99				0317 0318	2 Pin Board Connector
6002 6003	Diode, BAV99				S 1430	Fuse, 400MA, 65V 2422 086 10581
6003	LED, TLMH3100				2430 2431	Cap, 470p, 10%, 500V, Ceramic 4822 122 31177 Cap, 470p, 10%, 500V, Ceramic 4822 122 31177
6005	Diode, Rect, SM S1D				5430	DC Shift Coil
6006 6007	Diode, 1PS76SB10	9340 49 9335 20			6432 6433	Diode, Rect, BYD33V 9340 317 00133 Diode, Rect, BYD33V 9340 317 00133
7000	Transistor, NPN, BC847B					
7001 7002	Transistor, PNP, BC857B Transistor, NPN, BF570	9335 89 9338 14			DAF Pane	1 DAF Panel
7003	Transistor, PNP, BC857B				CBA	DAF Panel
7004 7005	Transistor, NPN, BC847B Transistor, PNP, BC857B				1417 1418	2 Pin Board Connector
7006	Transistor, NPN, BF570				1419	2 Pin Board Connector 2422 025 16269
7007 7008	Transistor, PNP, BC857B Transistor, NPN, BC847B	9335 89 9335 89			1492 1497	3 Pin Board Connector
7009	Transistor, PNP, BC857B	9335 89			1693	Contact Pin 2422 034 20021
7010 7011	Transistor, NPN, BC847B	9335 89 9335 89			2800 2809	Cap, 330p, 5%, 2000v, Polypropylene 2222 375 90495 Cap, 100u, 20%, 25v, Electrolytic 3198 025 31010
7012	Transistor, PNP, BF550	9334 50			2812	Cap, 10n, 5%, 2000v, Polypropylene 2222 375 90175
7015 7016	Transistor, NPN, BC847B Transistor, PNP, BC857B	9335 89 9335 89			2813 2814	Cap, 10u, 20%, 50v, Electrolytic 3198 025 51090 Cap, 1n, 5%, 2000v, Polypropylene 2222 375 90225
7017	Transistor, NPN, BC847B	9335 89	95 9	90215	2818	Cap, 10n, 10%, 50v, Ceramic 3198 017 01030
7019 7020	IC, LM809M3X	9322 10 9335 89			2820 2821	Cap, 220n, 10%, 50v, Polyester 3198 014 02240 Cap, 68n, 5%, 400v, Metalized Polypropy
7021	IC, LD1117DT33	9322 13	34 4	45668	2021	lene
7022 7023	IC, LD1117DT25	9322 1°			2822 2823	Cap, 220n, 10%, 50v, Polyester 3198 014 02240 Cap, 4u7, 20%, 50v, Electrolytic 3198 025 54780
					2824	Cap, 10u, 20%, 50v, Electrolytic 3198 025 51090
Side A/V	Panel Side A/V Panel				2825 2890	Cap, 1u, 10%, 50v, Polyester 3198 014 01050 Cap, 470p, 5%, 2000v, Polypropylene 2222 375 90498
CBA	Side A/V Panel	3139 13			2892	Cap, 470p, 5%, 2000v, Polyplopylene 2222 373 30438 Cap, 4u7, 20%, 50v, Electrolytic 3198 025 54780
0240 1254	11 Pin Board Connector	2422 0: 2422 0:			S 3807 S 3808	Res, 15 ohm, 5%, 1/3W, Metal Film 2306 204 03159 Res, 15 ohm, 5%, 1/3W, Metal Film 2306 204 03159
1255	3 Pin Cinch Jack	2422 0	26 (04815	S 3809	Res, 10 ohm, 5%, 1/3W, Metal Film 2306 204 03139
1256 2286	SVHS Jack	2422 02 3198 02			3810 3811	Res, 470K, 5%, 1/2W, Metalized Glass . 2322 242 13474 Res, 4M7, 5%, 1/4W, Metalized Glass . 2322 241 53475
2288	Cap, 150p, 10%, 50v, Ceramic	3198 0	19 1	11510	3811	Res, 27K, 5%, 1/4W, Metalized Glass 2322 241 53475 Res, 27K, 5%, 1/6W, Carbon Film 3198 011 02730
2292 2294	Cap, 470p, 10%, 50v, Ceramic Cap, 470p, 10%, 50v, Ceramic	3198 01 3198 01			3813	Res, 470K, 5%, 1/6W, Carbon Film 3198 011 04740
2296	Cap, $4n7$, $+80/-20$ %, $50v$, Ceramic	3198 0	19 2	24720	3814 3815	Res, 100K, 5%, 1/4W, Metalized Glass . 2322 241 53104 Res, 1K, 5%, 1/6W, Carbon Film 3198 011 01020
2297 3285	Cap, 4n7, +80/-20%, 50v, Ceramic Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 03 3198 03			3816	Res, 4K7, 5%, 1/6W, Carbon Film 3198 011 04720
3285	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 0			3818 3819	Res, 1K, 5%, 1/10W, Metalized Glass 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass 3198 021 51020
3287 3288	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 03			3820	Res, 3K3, 5%, 1/10W, Metalized Glass . 3198 021 53320
3288 3289	Res, 10 ohm, 5%, 1/6W, Carbon Film Res, 1K8, 5%, 1/6W, Carbon Film	3198 0.			3821 3822	Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730 Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
3291	Res, 1K, 5%, $1/6W$, Carbon Film	3198 0	11 (01020	3823	Res, 1K8, 5%, 1/10W, Metalized Glass . 3198 021 51820

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Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720 Res, 12K, 5%, 1/10W, Metalized Glass . 3198 021 51230 Res, 5K6, 5%, 1/10W, Metalized Glass . 3198 021 55620
                                                                                  2915
                                                                                           Cap, 100u, 20%, 25v, Electrolytic. . . 3198 025 31010
                                                                                           Cap, 1n, 10%, 50v, Ceramic . . . . .
  3827
                                                                                   2917
                                                                                           Cap, 100u, 20%, 25v, Electrolytic. . .
                                                                                                                                          3198 025 31010
  3830
          Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
                                                                                   2920
                                                                                           Cap, 47n, 10%, 25v, Ceramic. . . . .
                                                                                                                                         3198 023 04730
  3831
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                   2921
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                         3198 017 01040
  3832
          Res, 1K8, 5%, 1/10W, Metalized Glass . 3198 021 51820
                                                                                  2923
                                                                                           Cap, 100n, 10%, 50v, Polyester . . . .
                                                                                                                                         3198 014 01040
  3833
          Res, 4K7, 5%, 1/10W, Metalized Glass . 3198 021 54720
                                                                                  2924
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                         3198 017 01040
          Cap, 10u, 20%, 50v, Electrolytic . . . Cap, 100n, 10%, 16v, Ceramic . . . .
S 3898
                                                        2322 592 14217
                                                                                   2925
                                                                                                                                         3198 025 51090
          3899
                                                                                   2926
                                                                                                                                         3198 017 01040
                                                                                           Cap, 470n, 20%, 50v, Electrolytic. . . Cap, 22n, 10%, 50v, Ceramic. . . . .
  3998
                                                                                   2927
                                                                                                                                         3198 025 54770
                                                                                                                                         3198 017 02230
  5800
                                                                                   2928

      Transformer, Dar, S21975-03.
      2422 331 02437

      Transformer, Self Correction
      3128 138 38881

      Bridge Coil
      3128 138 40042

      Diode, Rect, BYD33V
      9340 317 00133

      Zener Diode, 22 volt
      3198 010 22290

                                                                                           Cap, 47n, 10%, 25v, Ceramic. . . . .
  5801
                                                                                   2929
                                                                                                                                         3198 023 04730
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                   2930
                                                                                                                                         3198 017 01040
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . . .
  6810
                                                                                   2931
                                                                                                                                         3198 017 01040
                                                                                   2932
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                         3198 017 01040
  6812
  7810
          Power FET, STP3NB80FP. . . . . . . . 9322 136 03687
                                                                                  2933
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                         3198 017 01040
  7818
          Transistor, NPN, BC847B(COL) . . . . . 3198 010 42030
                                                                                   2934
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . .
                                                                                                                                         3198 017 01040
  7820
          Transistor, NPN, BC847B(COL) . . . . . 3198 010 42030
                                                                                   2935
                                                                                           Cap, 100u, 20%, 25v, Electrolytic. . .
                                                                                                                                         3198 025 31010
          Res, Zero ohm, "Chip" Jumper . . . . . Cap, lu, +80/-20%, 16v, Ceramic . . . .
                                                                                   2936
                                                                                                                                         3198 021 90020
  7821
                                                                                                                                         3198 017 21050
  7822
                                                                                   2937
                                                                                           Cap, 10u, 20%, 50v, Electrolytic . . .
  7823
                                                                                   2952
                                                                                                                                         3198 025 51090
                                                                                           Cap, 10u, 20%, 50v, Electrolytic . . . Cap, 10u, 20%, 50v, Electrolytic . . .
                                                                                                                                         3198 025 51090
                                                                                   2953
  9805
                                                                                   2954
                                                                                                                                         3198 025 51090
                                                                                                                                         3198 025 51090
Mains/Front Interface Panel
                                                                                   2955
                                                                                           Cap, 10u, 20%, 50v, Electrolytic . . .
          Mains/Front Interface Panel
                                                                                   2956
                                                                                           Cap, 100u, 20%, 25v, Electrolytic. . .
                                                                                                                                         3198 025 31010
          Mains/Front Interface Panel. . . . 3139 187 11471 5 Pin Board Connector. . . . . 2422 025 06353 Switch . . . . . . . . . . . . . . . . 2422 128 02742
                                                                                   2957
                                                                                           Cap, 100n, 10%, 16v, Ceramic . . . . .
                                                                                                                                         3198 017 01040
                                                                                   2958
                                                                                           Cap, 100u, 20%, 25v, Electrolytic. . .
                                                                                                                                         3198 025 31010
  0214
  1000
                                                                                   2959
                                                                                           Cap, 100n, 10%, 50v, Polyester . . . .
                                                                                                                                         3198 014 01040
          IR Receiver, TSOP1836UH. . . . . 9322 127 54667 LED, LTL-10234WHCR . . . . . . 9322 185 69682
  1002
                                                                                   2960
                                                                                           Cap, 10u, 20%, 50v, Electrolytic . . .
                                                                                                                                         3198 025 51090
                                                                                           Cap, 10u, 20%, 50v, Electrolytic . . .
S 1008
                                                                                   2961
                                                                                                                                         3198 025 51090
                                                                                          Cap, 100u, 20%, 25v, Electrolytic. . . Res, 1K5, 5%, 1/10W, Metalized Glass .
          Cap, 100u, 20%, 25v, Electrolytic. . . 3198 025 31010 Cap, 10n, +80/-20%, 50v, Ceramic . . . 3198 019 21030
  2001
                                                                                   2962
                                                                                                                                         3198 025 31010
                                                                                   3806
                                                                                                                                         3198 021 51520
  2002
                                                                                          Res, 1K2, 5%, 1/10W, Metalized Glass .
Res, 10K, 5%, 1/10W, Metalized Glass .
         Res, 470 ohm, 5%, 1/6W, Carbon Film. . 3198 011 04710 Res, 1K8, 5%, 1/6W, Carbon Film. . . 3198 011 01820 Res, 220 ohm, 5%, 1/6W, Carbon Film. . 3198 011 02210
                                                                                   3807
                                                                                                                                         3198 021 51220
  3001
                                                                                   3812
                                                                                                                                         3198 021 51030
  3003
                                                                                           Res, 15K, 5%, 1/10W, Metalized Glass . 3198 021 51530
                                                                                   3813
  3004
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                   3814
2 Tuner PIP Panel
                                                                                   3815
                                                                                   3816
                                                                                           Res, 820 ohm, 5%, 1/10W, Metalized Glas 3198 021 58210
          2 Tuner PIP Panel
          3817
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
  0200
                                                                                   3818
                                                                                           Res, 15K, 5%, 1/10W, Metalized Glass . 3198 021 51530
  0201
                                                                                   3819
                                                                                           Res, 10K, 5%, 1/10W, Metalized Glass . 3198 021 51030
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020

      10 Pin Board Connector
      2422 025 16587

      3 Pin Board Connector
      2422 025 16382

      3 Pin Board Connector
      2422 025 16382

      3 Pin Board Connector
      2422 025 16382

  0205
                                                                                   3820
                                                                                           Res, 390 ohm, 5%, 1/10W, Metalized Glas 3198 021 53910
                                                                                   3821
  0236
                                                                                           Res, 390 ohm, 5%, 1/10W, Metalized Glas 3198 021 53910
  0272
                                                                                   3822
                                                                                   3823
                                                                                           Res, 390 ohm, 5%, 1/10W, Metalized Glas 3198 021 53910
  1802
          Crystal, 14.31818MHz . . . . . . . . . 2422 543 00904
          3824
                                                                                           Res, 15K, 5%, 1/10W, Metalized Glass . 3198 021 51530
  1900
                                                                                   3827
                                                                                           Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
  1901
                                                                                   3828
                                                                                           Res, 4M7, 5%, 1/10W, Metalized Glass . 3198 021 54750
  1902
          Crystal, 4.5MHz. . . . . . . . . . . . . 2422 549 40807
          Cap, 100n, 10%, 50v, Polyester . . . 3198 014 01000
Cap, 47u, 20%, 25v, Electrolytic . . . 3198 025 34790
                                                                                   3829
                                                                                           Res, 15K, 5%, 1/10W, Metalized Glass .
                                                                                                                                         3198 021 51530
  2801
                                                                                   3830
                                                                                           Res, 2K2, 5%, 1/10W, Metalized Glass . 3198 021 52220
          Cap, 10u, 20%, 50v, Electrolytic . . . 3198 025 51090 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040
                                                                                          Res, 1M, 5%, 1/10W, Metalized Glass. . 3198 021 51050 Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020 Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
  2804
                                                                                   3831
  2805
                                                                                   3832
                                                                                   3833
  2806
          Cap, 220u, 20%, 10v, Electrolytic. . . 3198 025 12210
                                                                                           Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                   3834
  2807
          Cap, 47p, 5%, 50v, Ceramic . . . . . . 3198 016 04790
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                   3836
  2808
          Cap, 10u, 20%, 50v, Electrolytic . . . 3198 025 51090
                                                                                   3839
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                                                                         3198 021 51020
  2809
          Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 01030
                                                                                   3840
                                                                                           Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
          Cap, 10n, 10%, 50v, Ceramic. . . . .
                                                        3198 017 01030
  2810
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
          Cap, 10n, 10%, 50v, Ceramic. . . . . 3198 017 01030
                                                                                   3844
  2811
          Cap, 47u, 20%, 25v, Electrolytic . . . 3198 025 34790 Cap, 10u, 20%, 50v, Electrolytic . . . 3198 025 51090
                                                                                   3845
                                                                                           Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
  2812
                                                                                   3849
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
          Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 01030
                                                                                   3850
                                                                                           Res, Zero ohm, "Chip" Jumper . . . . . 3198 021 90020
          2815
                                                                                   3853
                                                                                           Res, 3K3, 5%, 1/10W, Metalized Glass .
                                                                                                                                         3198 021 53320
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. .
                                                                                   3857
                                                                                                                                         3198 021 51020
  2816
                                                                                           Res, 1K, 5%, 1/10W, Metalized Glass. .
  2819
          Cap, 12p, 5%, 50v, Ceramic . . . . . . 3198 016 01290
                                                                                   3858
                                                                                                                                         3198 021 51020
                                                                                           Res, 47K, 5%, 1/10W, Metalized Glass . 3198 021 54730
Res, 1K, 5%, 1/10W, Metalized Glass . 3198 021 51020
                                                                                   3860
  2820
          Cap, 220n, +80/-20%, 25v, Ceramic. . . 3198 023 22240
          Cap, 220n, +80/-20%, 25v, Ceramic. . . 3198 023 22240
                                                                                   3864
  2821
          Cap, 33n, 10%, 50v, Ceramic. . . . 3198 017 03330 Cap, 10n, 10%, 50v, Ceramic. . . . 3198 017 01030 Cap, 47u, 20%, 25v, Electrolytic . . . 3198 025 34790
                                                                                   3866
                                                                                           Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
  2822
                                                                                   3870
                                                                                           Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
  2823
                                                                                           Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
  2824
                                                                                   3871
                                                                                   3872
                                                                                           Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
          Cap, 470n, +80/-20%, 16v, Ceramic. . . 3198 017 24740
  2825
                                                                                          3890
          Cap, 560p, 5%, 50v, Ceramic. . . . . 3198 016 05610
          Cap, 470n, +80/-20%, 16v, Ceramic. . . . . . 3198 017 24740 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040
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  2828
                                                                                   3915
  2829
          Cap, 1u, +80/-20%, 16v, Ceramic. . . . 3198 017 21050
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  2830
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 01040
                                                                                           3918
                                                                                                                                         3198 021 90020
  2831
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 01040
                                                                                   3919
                                                                                                                                         3198 021 90020
          Cap, 100n, 10%, 16v, Ceramic . . . . . 3198 017 01040
  2832
                                                                                           Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
          Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040 Cap, 470n, +80/-20%, 16v, Ceramic . . . 3198 017 24740
                                                                                   3920
  2833
                                                                                           Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
                                                                                   3921
  2836
          Res, 1K, 5%, 1/10W, Metalized Glass. . 3198 021 51020
                                                                                   3922
  2837
                                                                                   3933
                                                                                           Res, 3K3, 5%, 1/10W, Metalized Glass . 3198 021 53320
  2840
          Cap, 470n, +80/-20%, 16v, Ceramic. . . 3198 017 24740 Cap, 220u, 20%, 25v, Electrolytic. . . 3198 025 32210
                                                                                           Res, Zero ohm, "Chip" Jumper . . . . .
                                                                                   3934
                                                                                                                                         3198 021 90020
  2841
                                                                                           Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
                                                                                   3936
  2890
          Cap, 220u, 20%, 25v, Electrolytic. . . 3198 025 32210
                                                                                  3937
                                                                                           Res, 47 ohm, 5%, 1/10W, Metalized Glass 3198 021 54790
  2891
          Cap, 10n, 10%, 50v, Ceramic. . . . . . 3198 017 01030
                                                                                  3938
                                                                                           Res, 2R2, 5%, 1/6W, Carbon Film. . . . 3198 011 02280
                                                                                          3939
  2892
          Cap, 47u, 20%, 25v, Electrolytic . . . 3198 025 34790
                                                                                   3942
  2893
          Cap, 220u, 20%, 25v, Electrolytic. . . 3198 025 32210
                                                                                   3943
  2894
          Cap, 10n, 10%, 50v, Ceramic. . . . .
                                                        3198 017 01030
                                                                                   3944
          Cap, 47p, 5%, 50v, Ceramic . . . . . . 3198 019 04790
  2895
                                                                                           Res, 220 ohm, 5%, 1/10W, Metalized Glas 3198 021 52210
          Cap, 220u, 20%, 25v, Electrolytic. . . 3198 025 32210 Cap, 100n, 10%, 50v, Polyester . . . 3198 014 01040 Cap, 100n, 10%, 16v, Ceramic . . . . 3198 017 01040
                                                                                   3945
  2897
                                                                                  3948
                                                                                           Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
  2898
                                                                                  3949
                                                                                           Res, 330 ohm, 5%, 1/10W, Metalized Glas 3198 021 53310
  2911
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3950	Res, 22K, 5%, 1/10W, Metalized Glass .	2100 (121 52220		
3951	Res, 22K, 5%, 1/10W, Metalized Glass .			YPbPr 1	FH Interface + Expander
3952	Res, 1K, 5%, 1/10W, Metalized Glass				YPbPr 1FH Interface + Expander
3953	Res, 330 ohm, 5%, 1/10W, Metalized Glas			CBA	YPbPr 1FH Interface + Expander 3104 328 25301
3955 3956	Res, 390 ohm, 5%, 1/10W, Metalized Glas			0025	Contact Pin
3957	Res, Zero ohm, "Chip" Jumper Res, 330 ohm, 5%, 1/10W, Metalized Glas			0224 2810	5 Pin Board Connector
3958	Res, 120 ohm, 5%, 1/10W, Metalized Glas			2811	Cap, 100n, 10%, 16v, Ceramic 3198 017 01040
3960	Res, Zero ohm, "Chip" Jumper	3198 (021 90020	3819	Res, 3R9, 5%, 1/8W, Metalized Glass 2322 750 63908
3961	Res, 1K, 5%, 1/10W, Metalized Glass			3830	Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010
3964 3965	Res, 560 ohm, 5%, 1/10W, Metalized Glas Res, 560 ohm, 5%, 1/10W, Metalized Glas			3831 3899	Res, 100 ohm, 5%, 1/10W, Metalized Glas 3198 021 51010 Res, 1K, 5%, 1/10W, Metalized Glass 3198 021 51020
3969	Res, 330 ohm, 5%, 1/10W, Metalized Glas			4800	Res, Zero ohm, "Chip" Jumper 3198 021 90030
3970	Res, 390 ohm, 5%, 1/10W, Metalized Glas			7806	IC, M62320FP 9322 127 15668
3971	Res, 2K2, 5%, 1/10W, Metalized Glass .				
3972 4803	Res, 4K7, 5%, 1/10W, Metalized Glass .			Cabinet	
4803	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			AC01	Cabinet Parts Nameplate
4805	Res, Zero ohm, "Chip" Jumper			AC01	Anode Lead Clip
4808	Res, Zero ohm, "Chip" Jumper	3198 (021 90020	AC04	Degaussing Coil Bracket (4 used) 3139 124 32812
4809	Res, Zero ohm, "Chip" Jumper			S AC05	Degaussing Coil 2422 549 45082
4810 4812	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			AC06 AC07	Light Guide
4813	Res, Zero ohm, "Chip" Jumper			AC07	Top Control Button
4814	Res, Zero ohm, "Chip" Jumper	3198 (021 90020	AC09	Top Control Bracket
4815	Res, Zero ohm, "Chip" Jumper			AC10	Front Interface Bracket
4817 4818	Res, Zero ohm, "Chip" Jumper Res, Zero ohm, "Chip" Jumper			AC11	Chassis Frame
4819	Res, Zero ohm, "Chip" Jumper			AC13 AC14	DAF DC Shift Bracket
4821	Res, Zero ohm, "Chip" Jumper			AC16	3D Comb Filter Bracket
4901	Res, Zero ohm, "Chip" Jumper			AC17	LOT-SSB Support
4910 5890	Res, Zero ohm, "Chip" Jumper			AC18	LOT Spacer
5890 5891	Coil, 10u			AC19 AC20	Side A/V Bracket
5892	Coil, 10u			AC21	SSB Shielding, Top
5893	Coil, 10u	3198 (018 21090	AC22	SSB Shielding, Frame
5894	Coil, 10u			AC24	Cabinet Back
5895 5901	Coil, 10u			AC25	Speaker, 10W, 8 ohm (2 Used) 3139 128 76081 CRT, A90AJZ90X33 9322 182 02682
5902	Coil, 4u7			S AC26 AC27	Cabinet Front
5903	Coil, 820n			AC29	Insulator Plate
5905	Coil, 4u7			AC30	SSB Snap
5906 5907	Coil, 5u6			AC32	Owner's Manual (French)
5907	Coil, 4u7			AC32 AC32	Owner's Manual (Spanish)
5909	Coil, 4u7			S AC33	AC Power Cord
5910	Coil, 4u7			AC34	Batteries for Remote Control Transmitte 9299 000 10137
6801	Diode, BAT84			AC35	Quick Use Guide (English) 3121 233 44041
6890 7803	Zener Diode, 3.9 volt			AC35 AC35	Quick Use Guide (Spanish)
7804	Transistor, NPN, BC847B(COL)			AC36	Cabinet Back Screw Cover (4 Used) 3139 124 39221
7805	Transistor, NPN, BC847B(COL)			AC38	Cabinet Front Assembly (Shown Exploded) 3121 237 53231
7806	Transistor, NPN, BC847B(COL)			AC39	Torx Driver - T10 7" length 4935 395 17249
7807 7810	Transistor, NPN, BC847B(COL) Transistor, NPN, BC847B(COL)			AC40	Torx Driver - T10 10" length 4835 395 97018
7813	Transistor, NPN, BC847B(COL)			REMOTI	E Remote Control Transmitter, RC2017/01. 3128 147 13331
7816	Transistor, NPN, BC847B(COL)	3198 (010 42030	CRT Pane	el
7817	Transistor, NPN, BC847B(COL)				CRT Panel
7891 7910	Transistor, NPN, BC337-25(COL) IC, TEA6425			CBA	CRT Panel
7914	IC, TDA9801/V1			0224 S 0235	7 Pin Board Connector
7915	Transistor, NPN, BC847B(COL)			0236	Contact Pin
7917	Transistor, NPN, BC847B(COL)			S 0298	10 Pin CRT Socket 2422 500 80063
7918	Transistor, NPN, BC847B(COL)			0340	11 Pin Board Connector
7919 7920	IC, TDA8601T/C1			0383 2103	3 Pin Board Connector
9800	Wire Jumper			2103	Cap, 330p, 5%, 50v, Ceramic 3198 016 33310 Cap, 330p, 5%, 50v, Ceramic 3198 016 33310
9802	Wire Jumper			2105	Cap, 330p, 5%, 50v, Ceramic 3198 016 33310
9803 9804	Wire Jumper			2118	Cap, 220n, 10%, 50v, Polyester 3198 014 02240
9804	Wire Jumper			2300 2301	Cap, 22u, 20%, 100v, Electrolytic 3198 025 72290 Cap, 220u, 20%, 16v, Electrolytic 3198 025 22210
9808	Wire Jumper			2301	Cap, 10p, 5%, 50v, Ceramic 3198 025 22210
9810	Wire Jumper			2303	Cap, 470p, 5%, 50v, Ceramic 3198 016 34710
9811	Wire Jumper			2304	Cap, 22n, 10%, 100v, Metalized Polyeste 2222 365 85223
9812 9813	Wire Jumper			2306	Cap, 100n, 10%, 16v, Ceramic 3198 017 01040
9814	Wire Jumper			2307 2308	Cap, 22n, 10%, 50v, Ceramic 3198 017 02230 Cap, 15p, 5%, 50v, Ceramic 3198 016 01590
9815	Wire Jumper	3198 (036 90010	2309	Cap, 22n, 10%, 50v, Ceramic 3198 017 02230
9816	Wire Jumper			2310	Cap, 18p, 5%, 50v, Ceramic 3198 016 01890
9817 9818	Wire Jumper			2312	Cap, 22p, 5%, 50v, Ceramic 3198 016 02290
9823	Wire Jumper			2313 2315	Cap, 100u, 20%, 250v, Electrolytic 2022 031 00211 Cap, 330p, 5%, 50v, Ceramic 3198 016 03310
9824	Wire Jumper	3198 (036 90010	2316	Cap, 100n, 10%, 250v, Metalized Polyest
9902	Wire Jumper				er
9908 9915	Wire Jumper			2317	Cap, 1n2, 5%, 2000v, Polypropylene 2222 375 90226
9915	Wire Jumper			2318 2319	Cap, 22n, +80/-20%, 50v, Ceramic 3198 017 22230 Cap, 10n, +80/-20%, 50v, Ceramic 3198 019 21030
,,25				2319	Cap, 100n, 10%, 16v, Ceramic 3198 019 21030
High De	Finition Jack Panel			2337	Cap, 100p, 5%, 50v, Ceramic 3198 016 31010
	High Definition Jack Panel			2409	Cap, 470n, +80/-20%, 10v, Ceramic 3198 017 44740
Front I	O Panel			2410	Cap, 470n, +80/-20%, 10v, Ceramic 3198 017 44740 Cap, 100n, 10%, 16v, Ceramic 3198 017 01040
LLOIR I	Front I/O Panel			2411	cap, 100m, 10%, 10%, Ceramic 3198 01/ 01040
S = Sa	afety Part Be sure to use exact replace	ment p	part.		
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2412	Cap, 330p, 5%, 50v, Ceramic	3198 016 33310
2420	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
3106	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
3107	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
3109	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
3110	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
3111	Trim Pot, 470 ohm, 25%	2120 358 90538
3113	Res, 1K8, 1%, 1/16W, Metalized Glass.	2322 704 61802
3114	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
3115	Trim Pot, 470 ohm, 25%	2120 358 90538
3116	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3117	Res, 2K7, 1%, 1/16W, Metalized Glass.	2322 704 62702
3118	Res, 2K2, 1%, 1/16W, Metalized Glass.	2322 704 62202
3119	Res, 180 ohm, 1%, 1/16W, Metalized Glas	
3120	Res, 180 ohm, 1%, 1/16W, Metalized Glas	
3121	Res, 180 ohm, 1%, 1/16W, Metalized Glas	
3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas	
3123	Res, 220 ohm, 1%, 1/16W, Metalized Glas	
3124	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
3125	Trim Pot, 470 ohm, 25%	2120 358 90538
S 3300	Res, 5R6, 5%, 1/3W, Metal Film	2306 204 03568
3301	Res, 10K, 5%, 2 1/2W, Metal Film	2322 195 63103
3303	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3304	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass	
3308	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
3309	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
3310	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
3311	Res, 47 ohm, 5%, 1/10W, Metalized Glass	
3312	Res, 2K2, 5%, 1/10W, Metalized Glass.	3198 021 52220
3315	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3316	Res, 56K, 5%, 1/10W, Metalized Glass.	3198 021 55630
3317	Res, 10K, 5%, 1/10W, Metalized Glass.	3198 021 51030
3318		
3319	Res, 15 ohm, 5%, 1/10W, Metalized Glass Res, 820 ohm, 5%, 1/10W, Metalized Glas	
3320	Res, 10K, 5%, 1/10W, Metalized Glass.	3198 021 51030
3322	Res, 150 ohm, 5%, 1/10W, Metalized Glas	
3334	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3338	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
3339	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
3340	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
S 3341	Res, 100 ohm, 5%, 1/3W, Metal Film	2306 204 03101
3342	Res, Zero ohm, "Chip" Jumper	3198 021 90020
3343	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
3345	Res, 33 ohm, 5%, 1/6W, Carbon Film	3198 011 03390
3347	Res, 1K5, 20%, 1/2W, Carbon Film	3198 013 01520
3348	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
3349	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
3350	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
3351	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
3352	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
3353	Res, 4R7, 5%, 1/6W, Carbon Film	3198 011 04780
3355	Res, 10 ohm, 5%, 1/10W, Metalized Glass	
3356	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
3357	Res, 10 ohm, 5%, 1/10W, Metalized Glass	
3358	Res, 390 ohm, 5%, 1/10W, Metalized Glas	
3359	Res, 220 ohm, 5%, 1/16W, Metalized Glas	
3366	Voltage Dependent Resistor	2322 593 13507
3375	Res, 100K, 1%, 3/5W, Metal Film	2312 915 11004
3376	Res, 100K, 1%, 3/5W, Metal Film	2312 915 11004
3377	Res, 100K, 1%, 3/5W, Metal Film	2312 915 11001
3378	Res, 4R7, 5%, 1/16W, Metalized Glass .	3198 021 34780
3379	Res, 4R7, 5%, 1/16W, Metalized Glass. Res, 4R7, 5%, 1/6W, Carbon Film	3198 021 34780
3398	Res, 10K, 5%, 1/6W, Carbon Film	3198 011 04780
3405	Res, 39 ohm, 5%, 1/4W, Carbon Film	2120 101 74399
3410	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
3411	Res, 100K, 5%, 1/10W, Metalized Glass. Res, 100K, 5%, 1/6W, Carbon Film	3198 021 31040
S 3412	Res, 15 ohm, 5%, 1/8W, Metalized Glass	2322 750 61509
3413	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
3413	Res, 10 ohm, 5%, 1/16W, Metalized Glass	
3414	Res, 39 ohm, 5%, 1/16W, Metalized Glass Res, 39 ohm, 5%, 1/4W, Carbon Film	2120 101 74399
3416 4115		
	Res, Zero ohm, "Chip" Jumper	3198 021 90030 3198 021 90020
4301	Res, Zero ohm, "Chip" Jumper	
4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
6100	Zener Diode, 5.6 volt	3198 020 55680
6305	Diode, BAS321	9340 553 52115
6306	Diode, BAS321	9340 553 52115
6307	Diode, BAS321	9340 553 52115
6308	Diode, MCL4148	9322 128 15685
6309	Diode, MCL4148	9322 128 15685
7300	Transistor, NPN, BF199	9330 634 20126
7301	Transistor, NPN, BFS20	9330 921 11215
7302	Transistor, PNP, 2SA1358	9322 166 55682
7303	Transistor, NPN, 2SC3421	9322 166 56682
7304	Transistor, PNP, BF824	9337 223 50215
7307	IC, TDA6103Q/N3	9352 079 80112
7308	Transistor, NPN, BFS20	9330 921 11215
9301	Wire Jumper	3198 036 90010
9302	Wire Jumper	3198 036 90010
9305		
2303	Wire Jumper	3198 036 90010
9307	Wire Jumper	3198 036 90010 3198 036 90010
	Wire Jumper	

9309	Wire	Jumper.							3198	036	90010
9310	Wire	Jumper.							3198	036	90010
9311	Wire	Jumper.							3198	036	90010
9313	Wire	Jumper.							3198	036	90010
9314	Wire	Jumper.							3198	036	90010
9316	Wire	Jumper.							3198	036	90010
9317	Wire	Jumper.							3198	036	90010
9318	Wire	Jumper.							3198	036	90010
9321	Wire	Jumper.							3198	036	90010
9322	Wire	Jumper.							3198	036	90010
9323	Wire	Jumper.							3198	036	90010
9324	Wire	Jumper.							3198	036	90010
9325	Wire	Jumper.							3198	036	90010
9326	Wire	Jumper.							3198	036	90010
9330	Wire	Jumper.							3198	036	90010
9333	Wire	Jumper.							3198	036	90010
9336	Wire	Jumper.							3198	036	90010
9337	Wire	Jumper.							3198	036	90010
9350	Wire	Jumper.							3198	036	90010
9401	Wire	Jumper.							3198	036	90010