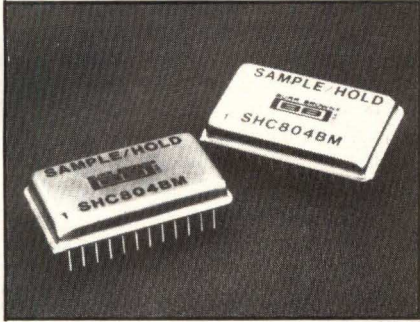


Data acquisition sample/hold amps display fast settling times

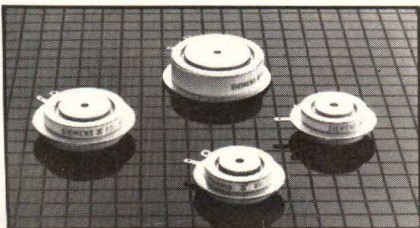


The SHC803 and SHC804 sample/hold amplifiers exhibit a maximum acquisition time of 350 ns for settling to within ± 0.012 percent of 10 V (± 1.2 mV). Apt for fast 12-bit data acquisition systems, these units operate as unity-gain inverters in the sample mode. Their signal bandwidth equals 15 MHz, with an input voltage range of ± 10 V. Output drive current is ± 50 mA. The SHC803's uncommitted frontend buffer amp distinguishes it from the 804. Power supply requirements are ± 15 V and 5 V. In 100s, the SHC803 is priced from \$117; the SHC804 from \$105. **Burr-Brown**, Box 11400, Tucson, AZ 85734.

Circle 317

Hockey puck inverter SCRs offer wide voltage ratings

Minimum trigger currents for BST-61 inverter SCRs reach 100 mA at a junction temperature of 140°C, with voltage ratings running from 200 to 600 V. These "hockey puck" inverters come in 1/2-in. high, compression-bonded ceramic disk packages that range in diameter from 37 to 50 mm. Useful in uninterruptible power supply applications, reverse current fall times are as low as 15 μ s at maximum on-state current levels up to 1730 A. **Siemens Components, Inc., Colorado Components Div**, 800 Hoyt St, Broomfield, CO 80020.



Circle 318

Connectors easily snap to shorter lengths

Standard 36-single and 72-position dual row strips of insulation displacement connectors save wasted board space and pin costs by getting the exact size needed. Cable assemblies are designed to mate with 0.025-in. square posts to form connector sets, board/board and on/board interconnects, jumpers, and test points. Contacts are beryllium copper, gold plated. Cable is 28 awg with PVC insulation on 0.100-in. centers for single row, 0.050-in. dual row. Priced from \$0.28 in 100-piece quantity. **Sametec, Inc.**, PO Box 1147, New Albany, IN 47150.

Circle 319

Large-area LCD modules provide dot-addressable graphics



High contrast displays gain dot-addressable graphics capabilities with two LCD modules—the CG4801280D and the CG6401282D. With a 1.5-in. (38.1-mm) thickness, voltage requirements of 5 V and -12 Vdc, the modules are apt for battery operated, portable applications. Units employ advanced twisted nematic-type LCD technology, and wide viewing angle CMOS drivers and controllers. Interface is CMOS and TTL compatible. The CG4801280D and CG6401282D, in quantities of 1000, cost \$200 and \$220, respectively. **C. Itoh Electronics, Inc.**, 5301 Beethoven St, Los Angeles, CA 90066.

Circle 320

Flat electroluminescent display fits into portables

The MDM 512.256-11 module has 512 x 256 picture elements capable of displaying 25 lines of 80-char text or high resolution graphics. High picture quality stems from the subwavelength thin light emitting EL phosphor layer. The solid state panel and board with required high voltage drivers are assembled into a 0.37-in. thin rugged package, which connects to controlling circuitry over a flat cable. In 1000s, the price is \$700. **Finlux, Inc.**, 20395 Pacifica Dr, Cupertino, CA 95014.

Circle 321

Full-travel keyboard features conventional DIN truncated keytops

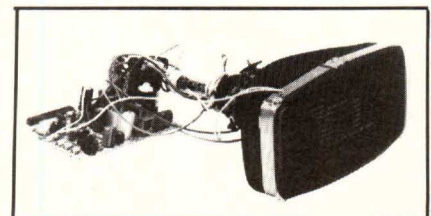


The 83-key Ergokey EKT complements the EKI version, which offers international rectangular style keys for quick-change graphics overlays. Features are DIN profile, lightweight construction, choice of 2- or 3-oz operating forces, IBM tactile feel, and an elastomer one-piece switch mat. The high life mat (greater than 60 million cycles/switch) provides spillproof and ESD protection to circuitry. The standard electrical output is a DIN connector with a 6-ft shielded coil cord that is IBM plug compatible. Cost is less than \$50 each. **Advanced Input Devices**, W 250 AID Dr, Coeur d'Arlene, ID 83814.

Circle 322

Data display presents information on low profile screen

The Model 9DD960 has a 9-in. horizontal screen configuration, but the vertical height is condensed to 5 in. This maintains a fully usable display area of 3 x 8 in. Available with the standard P4 phosphor, it comes in kit form for installation flexibility. The unit features 700-line resolution, a video bandwidth of 25 MHz, and horizontal scanning frequency of 15.75 to 22 kHz. Options include choice of phosphors and glare treatments. **Audiotronics Corp.**, 7428 Belaire Ave, North Hollywood, CA 91605.



Circle 323