

DC-DC CONVERTERS

Dual and triple outputs totaling up to 12 W at levels suitable for microprocessors, memories, data converters, and op amps are delivered by a family of 55 to 65% efficient dc-dc converters. The MC series of oncard local power sources offers a π input filter to reduce input reflected ripple to <1% of input voltage, I/O isolation of 300 Vdc min, and output ripple and noise of 2 mV rms (30 mV pk-pk typ). MTBF of each model exceeds 100 kh. **Semiconductor Circuits, Inc.**, 306 River St, Haverhill, MA 01830.

Circle 234 on Inquiry Card

WIREWRAP PANELS

Model 2-1077MPB Micro-Designer series is a 6.875 x 10.775" (17.5 x 27.4 cm) microprocessor panel featuring min of two ground planes and four power buses for mounting 120 ICs (14- or 16-pin) and discrete components. Panel has documentation package and accessories for use in engineering design and production programs. Component pin eliminates need for carriers. Panel contains plated-through holes on a 0.100 x 0.100" (0.254 x 0.254-cm) grid, available with three I/O formats. **Hybricon Corp.**, 410 Great Rd, Littleton, MA 01460.

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PROGRAMMABLE DIGITAL SIGNAL PROCESSOR

Range of signal processing software found on the SPS-81 is utilized at a fraction of the hardware costs by the SPS-61 high speed programmable digital signal processor. It permits asynchronous I/O tasks to proceed concurrently with processing to achieve digital processing of continuous data streams with or without host computer involvement. User programming for real-time or batch operations can be at the FORTRAN, Macro-assembler, or Micro-code assembler level. **Signal Processing Systems, Inc.**, 223 Crescent St, Waltham, MA 02154.

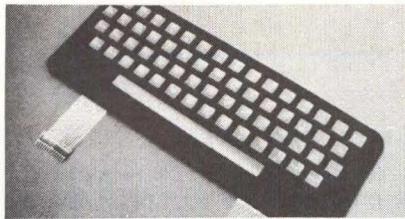
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MINIATURE TOGGLE SWITCHES

Toggle actuators, with color-coded plastic caps, are offered in 571 and 573 series switches. Options include five round toggles: short (0.220" or 0.559 cm), std (0.410" or 1.04 cm), and long (0.550, 0.640, and 0.840" or 1.4, 1.63, and 2.13 cm) as well as two lengths of flatted toggles (0.450 and 0.840" or 1.14 and 2.13 cm). With or without epoxy seals, 571 series offers six terminal options, while 573 series are designed for PC board mounting. **Dialight, a North American Philips Co.**, 203 Harrison Pl, Brooklyn, NY 11237.

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ALPHANUMERIC KEYBOARDS



Series EA boasts a bounce of <3 ms, resistance of <50 Ω , and key travel of 0.125" (0.318 cm). Keyboards include full alphanumeric assemblies for data entry applications and provide 60 keys and a space bar with as few as 24 output lines on a flexible tail to decode all contact closures. Custom key legends and a range of coding matrices are available. **Chomerics, Inc.**, 77 Dragon Ct, Woburn, MA 01801.

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INTERCONNECT TEST SYSTEMS

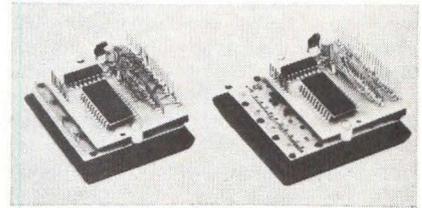
Series 8210 automatic wire circuit analysis systems check electrical circuit paths of PC boards, wired backplanes, harnesses, wired racks or assemblies, and cables. System 8211 provides single real-time function with local single test station control; 8212 provides single or dual real-time functions with local or remote control of a single test station; and 8213 accommodates up to

four test stations (local or remote) with real-time access to central control. A digital comparator performs resistance and voltage comparisons under program control over many decades. **DIT-MCO International Corp.**, 5612 Brighton Terr, Kansas City, MO 64130.

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KEYBOARD ENCODERS

A BCD or hexadecimal encoder can be added to the company's low profile keyboard with an optional "Adder-Board." Std unit is a 16-line to 4-bit parallel data encoder providing either BCD output when used with a 10-, 12-, or 16-station keyboard; or hexadecimal output when used with a 16-station keyboard. Optional key bounce elimination circuitry provides a delayed strobe pulse. Inputs are intended to be supplied V_{CC} (5 Vdc) through keyboard switches. Outputs interface with TTL or DTL. **Stacoswitch, Inc.**, 1139 Baker St, Costa Mesa, CA 92626.



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