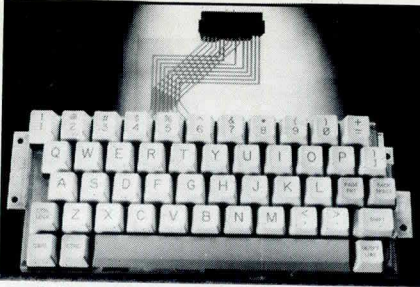


Membrane keyboard



A full-travel membrane keyboard, the KS-500E is rated at 10M cycles. Keys have a 0.140" (3.556-mm) nominal stroke. Typ bounce is less than 1 ms, with a 5-ms max bounce over the switch's life. The custom keyboard meets DIN standards and has an overall home row height of 18.3 mm. The monolithic housing, molded as one piece, eliminates key-switch alignment problems. The keyboard offers protection against spills and other contaminants since the screened circuit traces and contacts are laminated between two pieces of polyester. In quantity, price is under \$0.30 per station. **Stackpole Components Co**, Box M, Farmville, VA 23901. **Circle 267**

Current loop optocouplers

Optocouplers designed for use in 20-mA current loop systems are available as a transmitter (HCPL-4100) or a receiver (HCPL-4200). Features contributing to performance include precise thresholds with hysteresis for consistent, noise-free performance, isolated loop electronics powered by loop current, and a 19.2k-baud rate plus speed capability. An internal shield in both products provides rejection to common mode interference of typ 10k V/ μ s at 25 °C. The current loop transmitters are \$6.65 each in 1000-piece quantities; the receivers are \$6.15 each in the same quantity. **Hewlett-Packard Co**, 1820 Embarcadero Rd, Palo Alto, CA 94303. **Circle 268**

Illuminated indicators

The Compu-Lite series 200 are illuminated push buttons and indicators. Rated at 5 A at 250 Vac, the switch line is designed for snap-in panel or PCB mounting. Fingertip-removable switch caps and built-in lamp extractors allow easy replacement of lamps from the front panel. Other features include LED

and incandescent illumination, full or split legend caps, various colors, and gold contacts for low-level switching. **Eaton Corp, Aerospace/Commercial Controls Div**, 4201 N 27th St, Milwaukee, WI 53216.

Circle 269

Compound curve rocker switch

The Corvette rocker switch has a soft, glare-free matte finish and a compound curve bezel that blend into the panel. It features an integral pin design in which the spring creates contact pressure and dissipates heat. The device has been tested for up to a 75-A inrush and can withstand 50k actuations minimum, at full load. A mounting ear design lets the switch fit in any opening from 0.48" x 1.072" (1.22 x 2.723 cm) to 0.55" x 1.125" (1.40 x 2.858 cm). **Carlingswitch, Inc**, 505 New Park Ave, W Hartford, CT 06110.

Circle 270

Programmable keyboard encoders

The KB3600 series are low cost microprocessor-based keyboard encoders. Std features include n-key rollover, 9 output data bits, and pulsed data ready signal with 5.4-ms debounce. Two versions are available: a std ASCII-coded typewriter keyboard version and a PRO version that provides binary output code when any key is depressed. The devices are compatible with TTL/DTL or MOS logic. Units can be custom programmed from customer supplied key codes to meet specific needs. The encoders are priced at \$2.30 in 25k quantities. **General Instrument Corp, Microelectronics Div**, 600 W John St, Hicksville, NY 11802.

Circle 271

IC relay

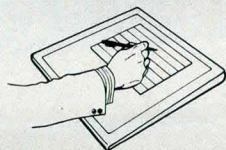
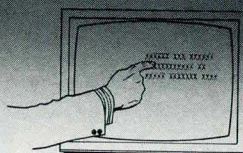
ChipSwitch is a solid state relay that uses high voltage monolithic circuits. The device is composed of three elements: two identical output power ICs and an LED. Based on solid state switch with zero cross technology, the relay offers improved performance characteristics. These include a dv/dt spec of 600 V/ μ s, off-state leakage of 10 μ A max; min load current is 0.5 mA, and 1 cycle surge is 30 A. The device operates from 5 to 280 Vac with pickup at 5 mA, 10 mA, or 3.5 Vdc, depending on model. Prices range from \$7.45 to \$10.45 in 100-piece quantities. **Crydom, a div of International Rectifier**, 1521 Grand Ave, El Segundo, CA 90245.

Circle 272

"Get in touch with your system..."

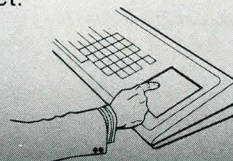
A friendly system responds to touch, and Elographics specializes in touch sensitive peripherals.

Interact directly with your system display using the E270 Transparent Touch Sensor.



Use a standard pen or pencil with the E233 Handprint and Graphics Digitizing Tablet.

Get both absolute and relative cursor positioning using the E232 Cursor Control Pad.



ELOGRAPHICS, inc.

105 RANDOLPH ROAD

OAK RIDGE, TENNESSEE 37830

(615) 482-4100