

ncc '83 product preview

system elements

DIN compatible keyboard

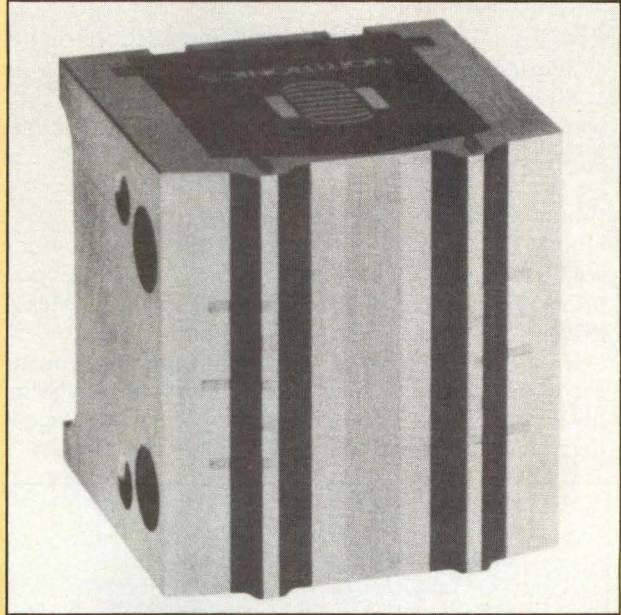
Low profile, solid state keyboard measures less than 18 mm from top of PCB to the required center of the home row keycaps. The DIN spec calls for a maximum height of 30 mm, measured from the top of the desk to the top of the home row keys when the keyboard is mounted in its enclosure. Key modules include keycap, snap-in housing, plunger, spring, and metallized Mylar pad. Designed as a capacitive plate, the pad is positioned over a second set of capacitive plates on the PCB. Capacitance changes with key travel since the pad is angled, resulting in key hysteresis. This aids in eliminating teasing.



A sense amplifier detects changes in capacitance. It incorporates an ANY-KEY-DOWN output that is monitored when other keyboard electronics are applying a pulse drive. Linear or pad tactile feel is available with a positive stop. Full 0.15" (3.81-mm) nom travel is standard. Operating force is 2 oz; 2½ oz is an option. Sculptured and/or stepped spherical keycaps are also available. *Cherry Electrical Products Corp*, 3600 Sunset Ave, Waukegan, IL 60087. See at Booth P7035

Circle 223

Serpentine streamer head



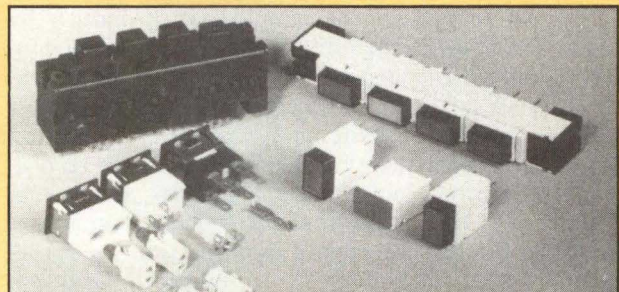
A 9-track, 2-channel serpentine streamer head stores 45M bytes on ¼" magnetic tape cartridge for Winchester backup. The head contour is designed to operate at tape speeds of 30 to 90 ips. This allows reliable recording at 10,000 fcpi. The internal design of the head provides for suppression of write-to-read feedthrough voltage of 4% maximum. A 2% maximum model is available. Life Time Ceramic® coating extends wear life and eliminates the need for tape gutters. Options include piggyback erase, mounting hardware, and cable or connector termination. *Nortronics Co, Inc*, 8101 Tenth Ave N, Minneapolis, MN 55427. See at Booth N4111

Circle 224

Miniature solid state switches

Miniature Manual line push buttons and indicators have been expanded to include solid state Hall effect units that interface directly with microprocessors and other logic devices. The line includes incandescent as well as full face LED illumination, mechanical interlock mechanisms, add-on bezels for snap-in front-of-panel mounting, strip mounting options, alternative termination, and relamping capability for printed wiring boards.

Designed for maximum flexibility in a minimum of panel space, switch housings are 0.67" (17 mm) deep and feature single-level termination. The miniature switches need a 5-Vdc supply voltage. They have a momentary or 2-level alternate action and come with legendable lenses designed to comply with UL and CSA requirements.



Design options include red, yellow, and green lenses; 3 electrical ratings, and several circuitry/operating combinations (including multiswitch interlock). Switch and indicator lenses are furnished as separate items. Op temp for the series is 32 to 149 °F (0 to 65 °C). *Micro Switch, A Honeywell Div*, 11 W Spring St, Freeport, IL 61032.

See at Booth N4204

Circle 225