

Membrane keyboards...rugged, dependable, convenient.



Matric keyboards are designed for heavy usage in hostile environments. The membrane keypads have a light touch for typing, can be wiped clean, and provide over 10 million operations of switch life.

Character Set:

KB695A: IBM scan codes for PC/AT, Windows 95.
KB670A, KB675A: 128 character ASCII (102 character alphabetical upper-case-only selectable by application of logic level to a connector pin).

Keyboard:

KB695A: 101+ (Windows 95) key IBM format.
KB670A: 58-key typewriter format with two user definable keyboard switch closures.
KB675A: Same as KB670A plus a 16-key, calculator format numeric keypad.

User Keys (KB670A, KB675A):

USER 1, USER 2 — SPST switch closures. 30 V, 0.1 Amp, 1 Watt max.

Audio:

1kHz tone during keypress. Adjustable volume.

Power Required (KB670A, KB675A):

+5 VDC (+/- 5%) @ 105 mA for parallel, TTL serial and 20 mA current loop.
+/- 9 VDC to +/- 15 VDC @ 5 mA for RS232C compatible output.

LED Indicators:

KB695A: Scroll Lock, Caps Lock, Num Lock, Power/Keylock.
KB670A, KB675A: Green for power on or host controlled.

Outputs:

KB670A, KB675A: Parallel: 7 bit ASCII; even, odd, or no parity. Strobe and keydown handshaking. Will drive 10 TTL loads.
Serial: Selectable 7 or 8 bits; even, odd, or no parity; 1 or 2 stop bits; 110, 300, 600, 1200, 2400, 4800, 9600, or 19.2K baud; TTL (ten load drive); 20 mA current loop (110, 300, and 1200 baud); and RS232C compatible serial outputs.
KB695A: Standard IBM PC/AT interface.

Auto Repeat:

Alphanumeric keys held for 1 sec. auto repeat at 10 cps. N-key rollover.

Connectors:

KB695A: 5-Pin female DIN, IBM standard. 6-foot removable coiled cable with male DIN connectors both ends.
KB670A, KB695A: Parallel 20 pin right angle, PC board header connector. Mates with 3M 3421-6020 ribbon cable connector or equivalent. Serial 25 pin subminiature D connector.

Size & Weight:

KB670A: 13.1x7x2 inches (333x178x51 mm), 3 lbs. (1.4 kg).
KB675A, KB695A: 16.5x7x2 inches (419x178x51 mm), 3.5 lbs. (1.6 kg).

Environmental:

Temperature: 0° to +50° operating, - 40° to + 85°F storage.
Humidity: 90% RH at 30°C, non-condensing.

Materials:

Brushed black anodized aluminum. ABS plastic. Polyester keypads.



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