

CUSTOM FLAT-PANEL KEYBOARDS and OPERATOR INTERFACE SYSTEMS

Let MSI design and manufacture a flat-panel keyboard to your unique specifications. MSI's keyboards are based on glass-epoxy substrates, with gold-plated metal contacts. Our keyboards are designed for high-reliability, ruggedized applications such as factory automation equipment, test, medical and diagnostic equipment, and other critical or harsh environments.

STANDARD FEATURES:

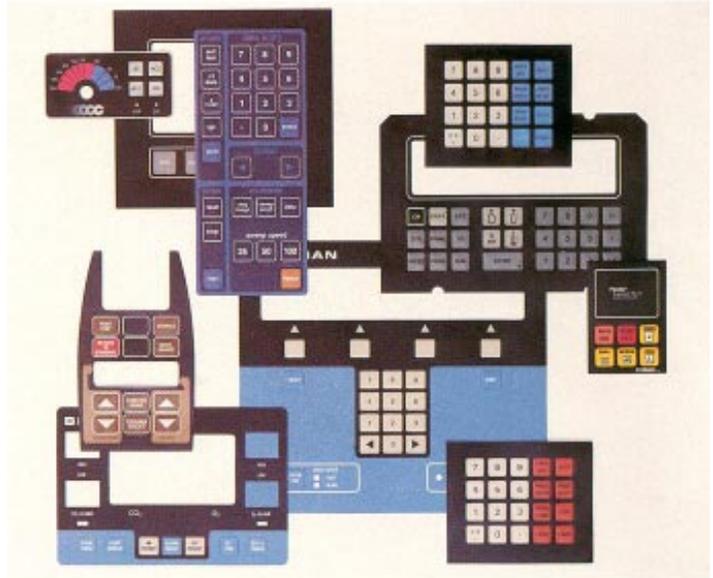
These features are standard on all MSI keyboards:

- Gold-Plated metal contacts
- Tactile feedback
- Custom Interconnect
- Custom Graphics

CUSTOM FEATURES

MSI can add the following features to our keyboards:

- Mounting hardware and bezels
- Inlaid and coated display windows
- Custom connectors and cables
- LED Annunciators
- Display Modules (LCD, VF, etc.)
- Keyboard encoding and control
- Communications (serial, parallel or custom)



Substrate Material. All MSI *Microterm*[™] keyboards are fabricated on glass-epoxy substrates and feature gold plating (over nickel underplate) for all switch-related circuitry.

Inlaid Display Window Lens.

The ultimate protection for displays. Available in glass, acrylic and polycarbonate, and with anti-glare and anti-abrasion coatings.

Embossed Key Areas.

Provides enhanced tactile feel and appearance.

Snap-Action Dome Switch. Stainless steel switch dome over gold-plated circuitry for long life and low contact resistance.

Function Annunciation. LED lamps can be integrated into switches or located in general panel areas for system status, function monitoring and general annunciation. Dead-front general annunciators are also available.



Graphic Overlay. Gloss or matte finish on Mylar or Lexan materials. Unlimited graphics and colors are available, as well as chemical and abrasion resistant coatings.

Electromagnetic Compatibility. Keyboards feature integral EMI/RFI shielding and ESD protection means.

Keyboard Encoding. Logic circuitry can be added to fully encode each key into user-defined data. Annunciator control circuitry is also available.

Connectors and Cables. Connectors and/or cables, as required, to interface with the host system.

Mounting Hardware. MSI keyboards can include studs, threaded standoffs and other hardware for mounting the keyboard and secondary function boards.

*Let MSI design your next custom keyboard panel.
After all... It's one of the things we do best!*