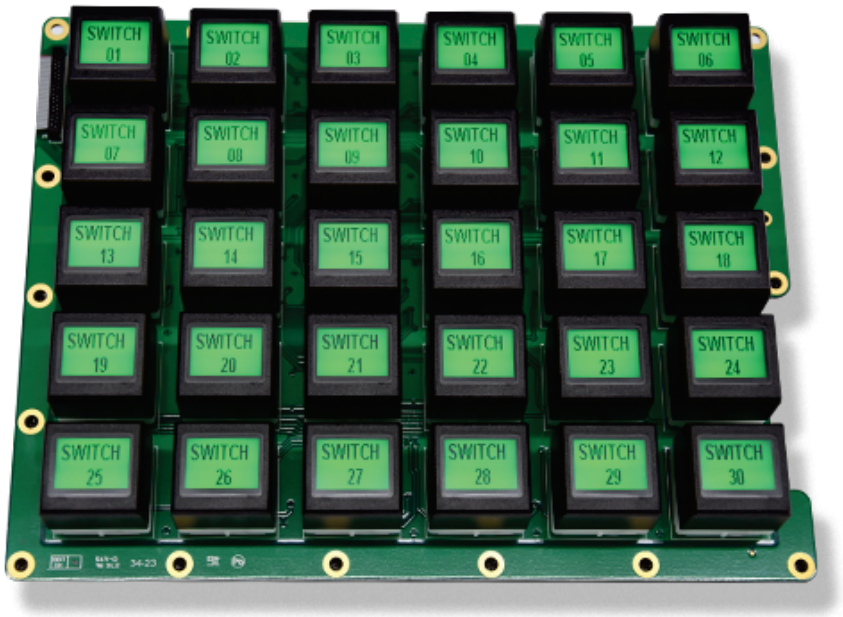
keetronics®
(India) Pvt. Ltd.
कीट्रॉनिक्स् (इंडिया) प्रा. लि.

MAKE IN INDIA

TRULY
भारत MADE
में IN
निर्मित BHARAT



Programmable LCD Matrix Keypad with RGB Backlit Display

Key Highlights :

- Programmable LCD display with RGB LED backlighting
- Supports graphics, animations, and alphanumeric data
- Dynamic color and brightness control via SPI interface
- Rugged design compliant with IP68 and MIL-STD-461 standards

The LCD Matrix Keypad (P/N: KIPL 22-5842) is a smart input and display solution developed by Keetronics for advanced industrial, defense, and mission-critical systems. It integrates a programmable LCD display with RGB LED backlighting, allowing alphanumeric characters, graphics, and animated sequences to be displayed directly on the keypad interface.

Equipped with a black and white LCD and RGB LED backlight, the keypad supports up to 84 backlight color combinations with dynamic brightness control across eight intensity levels. The display and keypad functions are operated through serial SPI communication, enabling flexible integration and easy customization.

Designed for harsh operating environments, the keypad complies with IP68 protection requirements and meets EMI/EMC standards as per MIL-STD-461 E/F. This makes it ideal for applications where reliability, visibility, and programmable user interaction are critical.

Technical Specifications

Product Type	LCD Matrix Keypad with Smart Display
Smart Display P/N	IS15EBFP4RGB
Display Type	Black & White LCD with RGB LED Backlight
Key Travel	Standard
Display Functions	Alphanumeric characters, bitmap graphics, animated sequences
Backlight Colors	Up to 84 RGB color combinations
Brightness Control	8-step dynamic control (from dim to bright)
Communication Interface	SPI (Serial Peripheral Interface)
Switch Area	17.0 mm × 130.0 mm
Display Orientation	Horizontal
Ingress Protection	IP68 compliant
EMI/EMC Compliance	MIL-STD-461 E/F