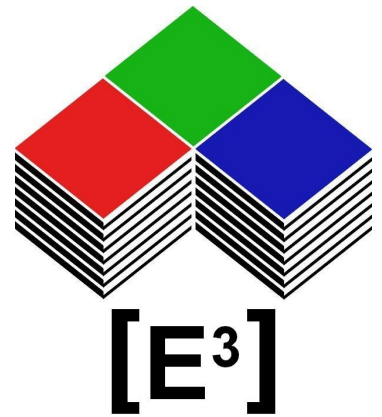


# The Third Evolution™

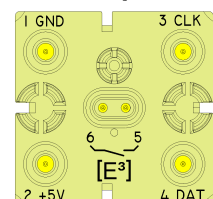
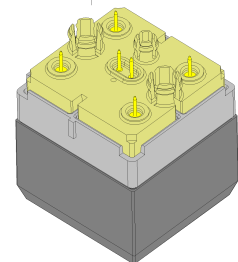
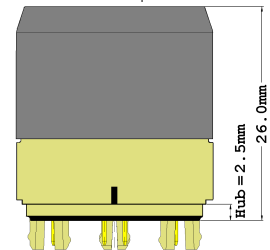
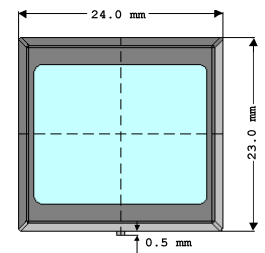
## Programmable, RGB-backlit LCD Push-button Switches



- Control Panels
- Video Routers
- Intercom Systems
- Operator Consoles
- Telecommunications
- Military C3 Panels
- Medical Devices

The Third Evolution™ in programmable, RGB -backlit LCD push-button switches incorporates the latest Advanced Technology™ control electronics and LCD technologies with state-of-the-art RGB backlighting and extended capabilities.

Features	SA6432	SB6432	SI6432	SM6432
LCD Resolutions	64 x 32 pixels			
LCD Type	FSTN liquid crystal display			
	Standard transmissive		Inverse transmissive	Inverse transreflective
LED Backlighting	64 RGB colors	Over 10,000 RGB colors		
Interface Protocols	Synchronous serial 8-bit interfaces (2-wire SPI) Custom interfaces available upon request			
Command Set	Standard	Enhanced command set		
Clock Signal	No external clock required Absence of external clock will not harm switches			
Initialization	Automatic self-initialization			
Maximum Speed	Up to 2 MBaud			
Operating Voltage	4.9 V to 5.1 V			
Power Consumption	< 25 mA typical ; < 60 mA max.			
Keyswitch Type	tactile, 2.5 mm travel with overtravel protection			
Keyswitch Lifetime	> 3.0 million cycles			> 5.0 million cycles
Temperatures	0°C to 55°C (operating) -20°C to 65°C (storage)			Extended temperature range



For details please contact

**[E³] Engstler Elektronik  
Entwicklung GmbH**

[info@e3-keys.com](mailto:info@e3-keys.com)

[www.e3-keys.com](http://www.e3-keys.com)