# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



### **Standard Keypads**

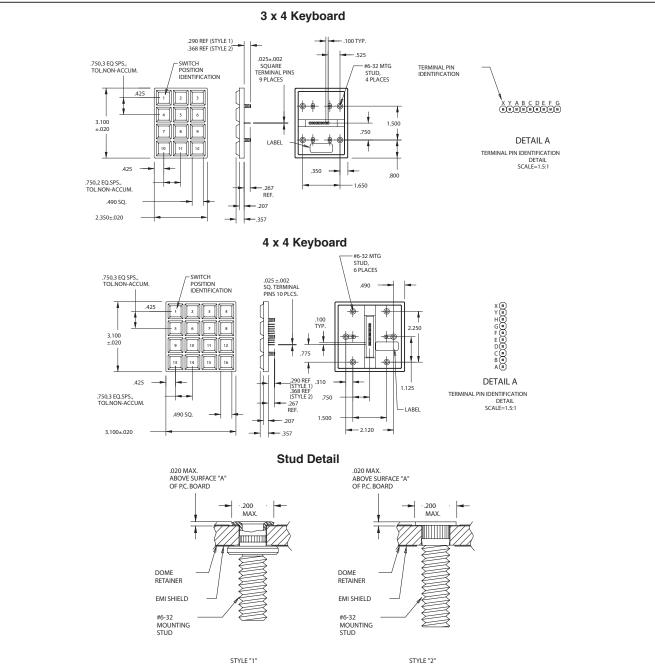
**Standard Backlit** 

Series 84BL

#### FEATURES

- · Backlit for Low Light Applications
- Waterproof Silicone Rubber
- · Audible, Tactile Contacts
- Low Contact Resistance
- Optional RFI/EMI Shielding
- 3,000,000 Operations per Button

#### DIMENSIONS In inches (and millimeters)



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Bulletin #1019

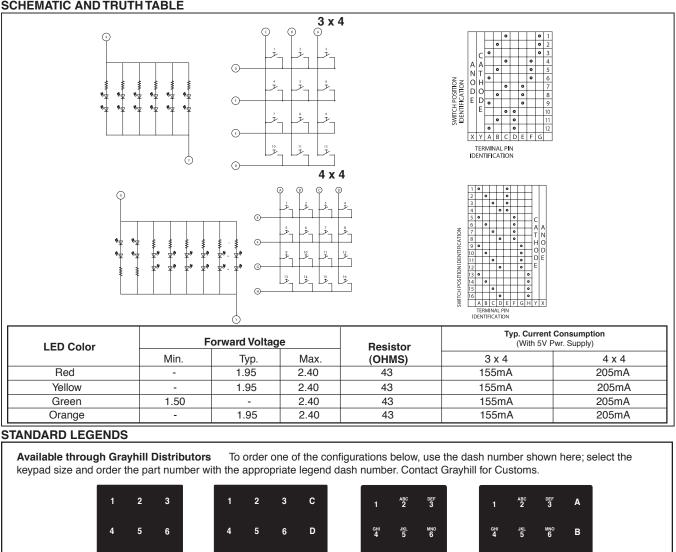


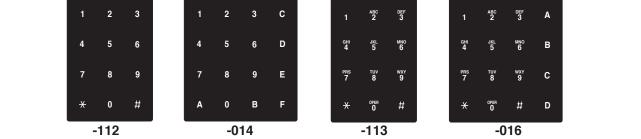
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### Grayhill Standard Keypads (Series 84B

### **Standard Backlit**

#### SCHEMATIC AND TRUTH TABLE





#### SPECIFICATIONS **Rating Criteria**

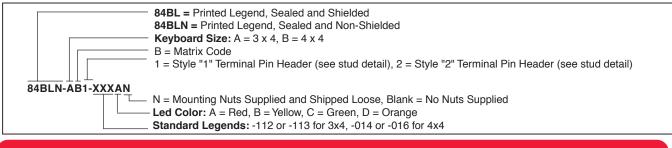
Rating at 24 Vdc: < 10 milliamps resistive Contact Bounce: 4 milliseconds maximum at make; 10 milliseconds, at break Contact Resistance: 10 ohms maximum

Life Expectancy: 3 million operations/button Insulation Resistance: ≥1,000 megohms

#### **Operating Features** Pre-Travel: .030 inches minimum

Operating Force: 20 ± 4 ounces Humidity: 0 to 98% (no condensation) Materials and Finishes Terminal Pins: Copper alloy CDA 725, solder-plated PC Board: FR-4 glass cloth epoxy Dome Retainer/Rear Seal Sheet: Polyester Mounting Studs: Style 1: Stainless steel, Style 2: Phosphor bronze Optional Hex Nut: Stainless steel, passivated Optional EMI Shield: Aluminum foil Keypad: Silicone rubber

#### **ORDERING INFORMATION**



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