

SERIES 84BL

Standard Backlit

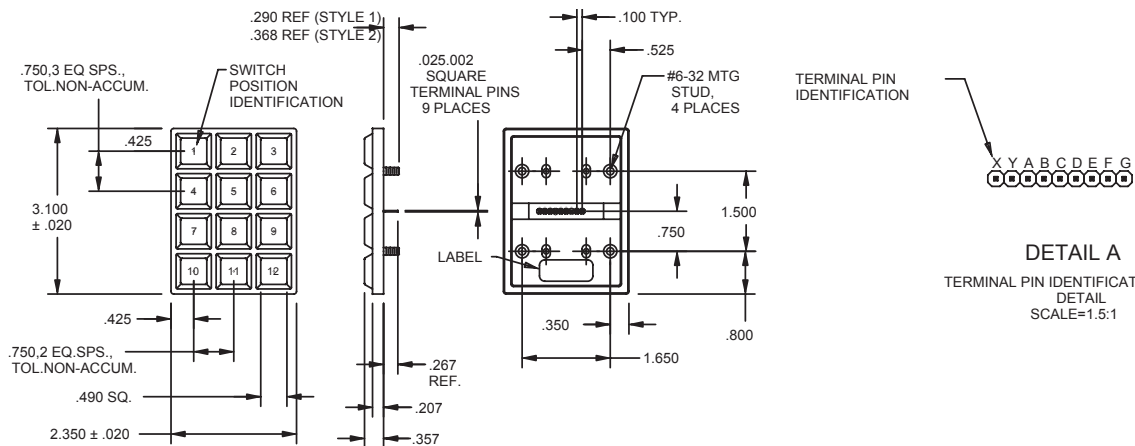
FEATURES

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

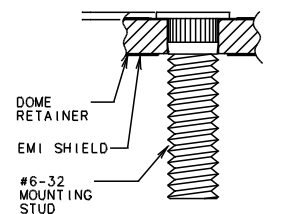
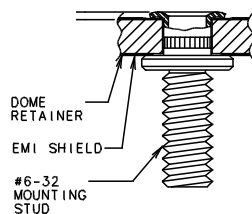
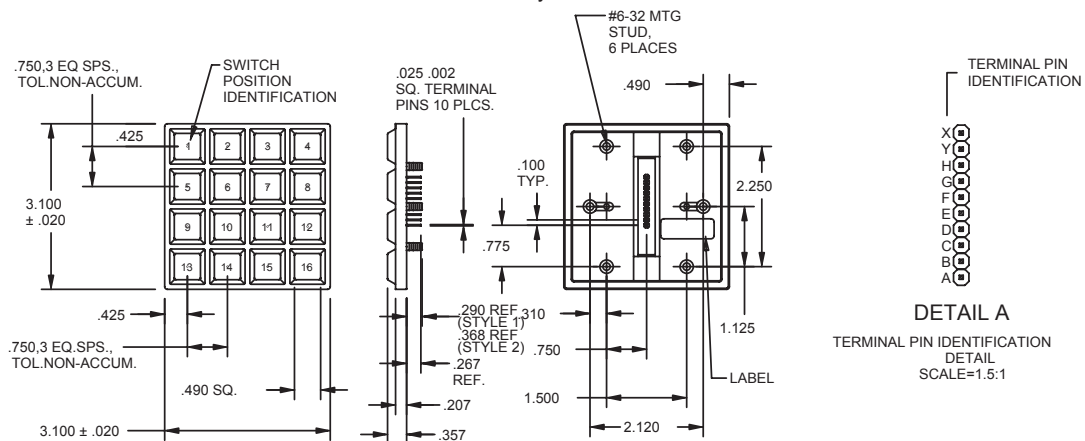


DIMENSIONS in inches (and millimeters)

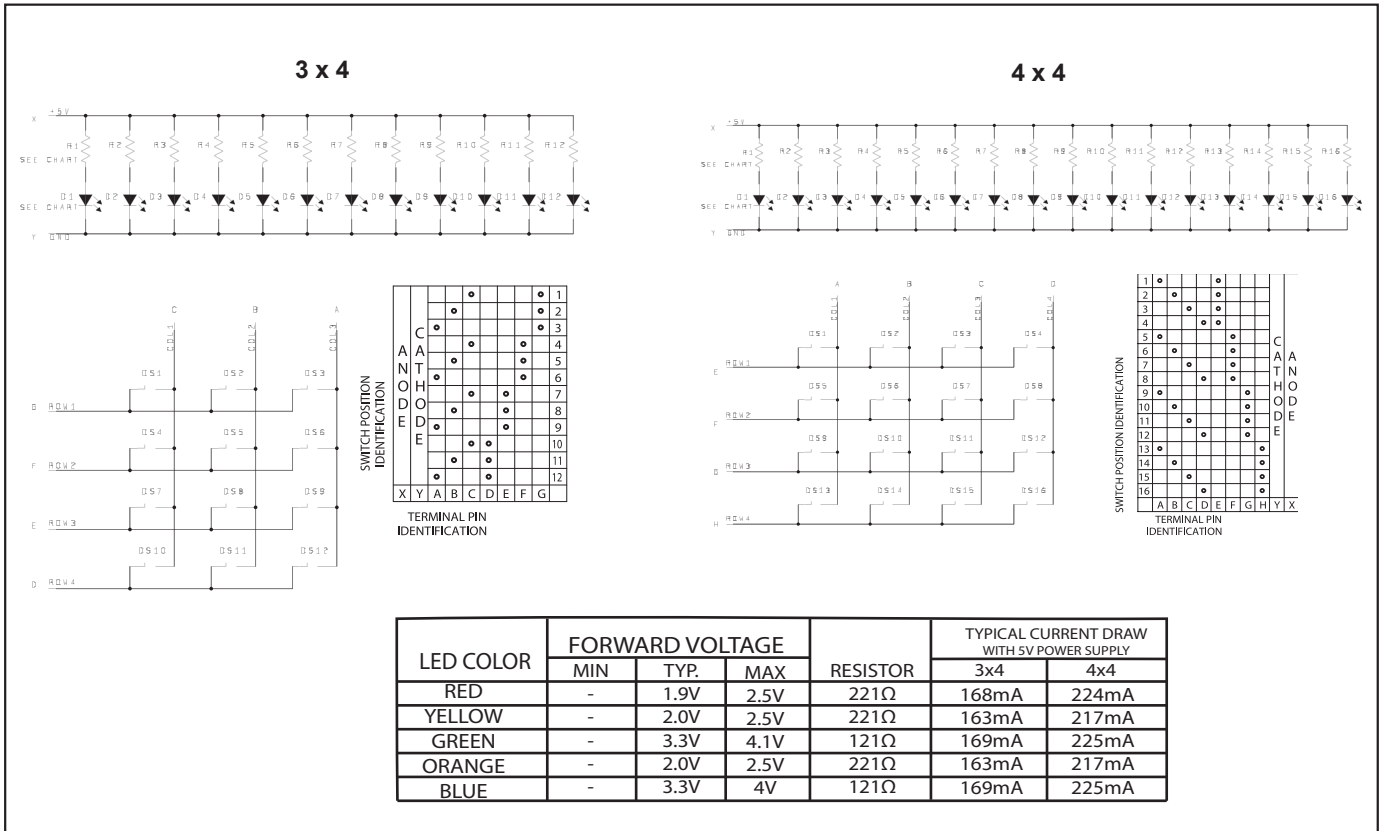
3 x 4 Keyboard



4 x 4 Keyboard

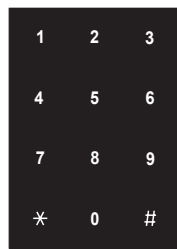


SCHEMATIC AND TRUTH TABLE

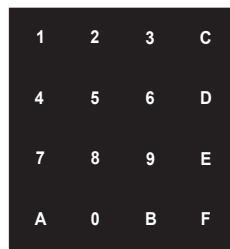


STANDARD LEGENDS

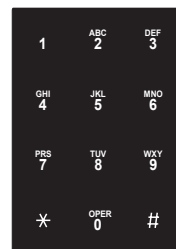
Available through Grayhill Distributors To order one of the configurations below, use the dash number shown here; select the keypad size and order the part number with the appropriate legend dash number. Contact Grayhill for Customs.



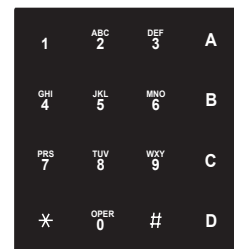
-112



-014



-113



-016

SPECIFICATIONS

Rating Criteria

Rating at 24 Vdc: 10 milliamps resistive
Contact Bounce: 4 milliseconds maximum
Contact Resistance: 10 ohms maximum

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

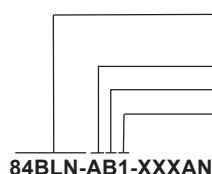
Operating Features

Pre-Travel: .030 inches minimum
Operating Force: 20 ± 4 ounces
Humidity: 0 to 98% (no condensation)

Materials and Finishes

Terminal Pins: Phosphor Bronze Tin Plated
PC Board: FR-4 glass cloth epoxy
Dome Retainer/Rear Seal Sheet: Polyester
Mounting Studs: Stainless Steel (Style 1), Phosphor Bronze Tin Plated (Style 2)
Optional Hex Nut: Stainless steel, passivated
Optional EMI Shield: Aluminum foil
Keypad: Silicone rubber

ORDERING INFORMATION



84BL = Printed Legend, Sealed and Shielded
84BLN = Printed Legend, Sealed and Non-Shielded
Keyboard Size: A = 3 x 4, B = 4 x 4
B = Matrix Code
1 = Style "1" (see stud detail)
2 = Style "2" (see stud detail)

N = Mounting Nuts Supplied and Shipped Loose, Blank = No Nuts Supplied
Led Color: A = Red, B = Yellow, C = Green, D = Orange, E = Blue
Standard Legends: -112 or -113 for 3x4, -014 or -016 for 4x4

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Grayhill:

[84BL-AB1-112A](#) [84BL-AB1-112B](#) [84BL-AB1-112BN](#) [84BL-AB1-112CN](#) [84BL-AB1-112EN](#) [84BL-AB1-113AN](#) [84BL-AB1-113CN](#) [84BL-AB2-113CN](#) [84BL-BB1-014DN](#) [84BL-BB1-016AN](#) [84BL-BB1-016CN](#) [84BL-BB1-016DN](#) [84BLN-AB1-112B](#) [84BLN-AB1-112CN](#) [84BLN-AB1-112DN](#) [84BLN-AB2-112AN](#) [84BLN-AB2-113AN](#) [84BLN-BB1-014A](#) [84BLN-BB1-014AN](#) [84BLN-BB1-014DN](#) [84BLN-BB1-016AN](#) [84BLN-BB1-016DN](#) [84BLN-BB2-014AN](#) [84BLN-BB2-014DN](#) [84BLN-BB2-016AN](#) [84BLN-BB2-016DN](#) [84BL-AB2-112CN](#) [84BL-BB2-016CN](#) [84BLN-AB1-112EN](#)