

SERIES 38BM AND 38BC

Sub-Miniature Surface Mount

FEATURES

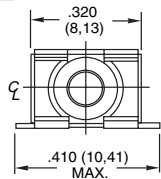
- Surface Mount Process Compatible
- Sealed Construction
- SPST and SPDT, Momentary Contact
- Extended or Flush Plunger
- Drop-In Replacement for Industry Standard



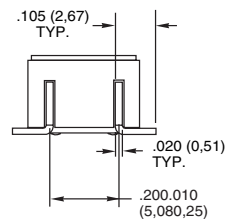
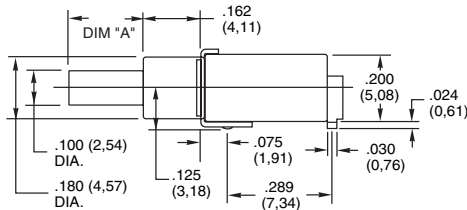
SPECIFICATIONS

DIMENSIONS in inches (and millimeters)

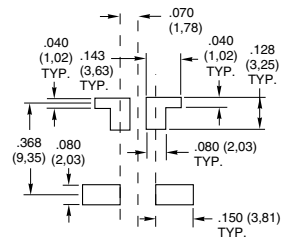
38BM



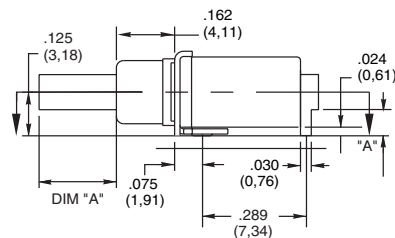
SPST



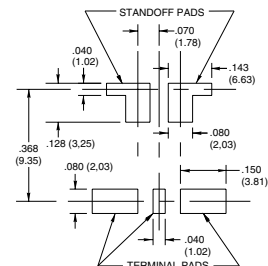
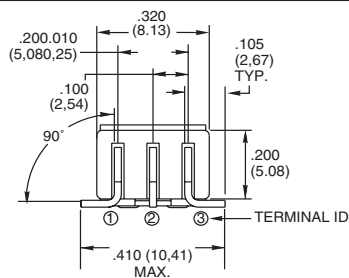
PC Mounting



38BC



SPDT



Rating Criteria

Operating Life: 80,000 make-and-break cycles at full load

Contact Rating (resistive load):

Gold Contacts: 0.4 VA maximum at 20 Vac or Vdc maximum

Silver Contacts: I.O. Amps maximum at 120 Vac or 28 Vdc

Contact Resistance: Below 20 milliohms typical initial at 2-4 Vdc, 100 mA

Insulation Resistance: 1000 megaohms min.
Voltage Breakdown: 1000 Vrms minimum at sea level

Operating Temperature: -30°C to +85°C

Solderability: Per MIL-STD-202F, Method 208D, or EIA RS-186E Method 9 (1 hour steam aging)

Materials and Finishes

Base and Cover: Thermoplastic (UL 94V-0)

Plunger: Thermoplastic (UL 94V-0), with standard internal o-ring seal

Terminals: Copper alloy, gold plate over nickel plate

Spring: Plated Music Wire

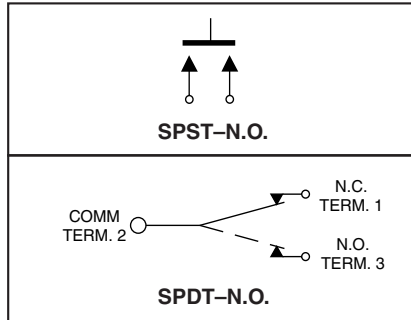
Contact System: Copper alloy, gold or silver plate (as specified) over nickel plate

Switch Support: Brass, tin-plated

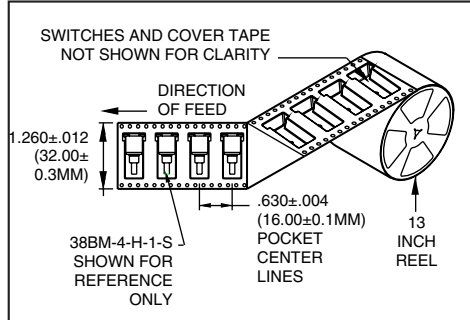
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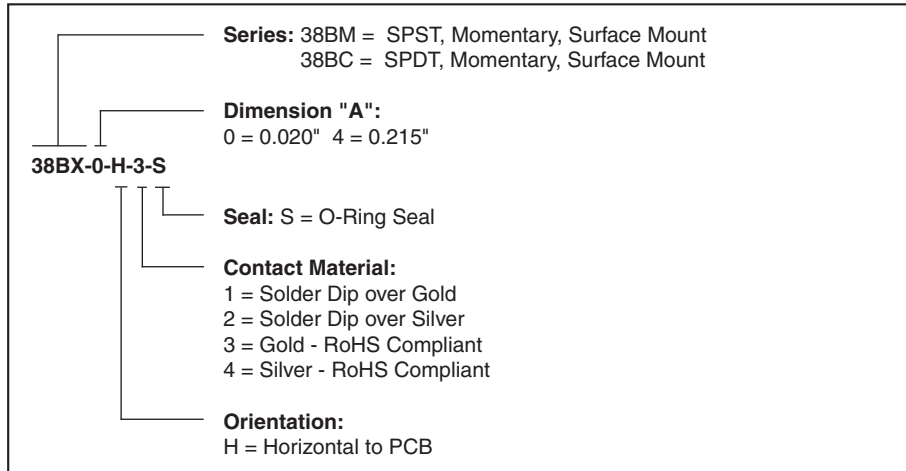
CIRCUITRY



TAPE AND REEL PACKAGING



ORDERING INFORMATION



Mouser Electronics

Authorized Distributor

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

Grayhill:

[38BC-0-H-3-S](#) [38BC-4-H-3-S](#) [38BM-4-H-3-S](#) [38BM-4-H-4-S](#) [38BM-0-H-2-S](#) [38BC-4-H-4-S](#) [38BM-4-H-1-S](#) [38BC-0-H-1-S](#) [38BM-0-H-4-S](#) [38BC-4-H-1-S](#) [38BM-0-H-3-S](#) [38BM-0-H-1-S](#)