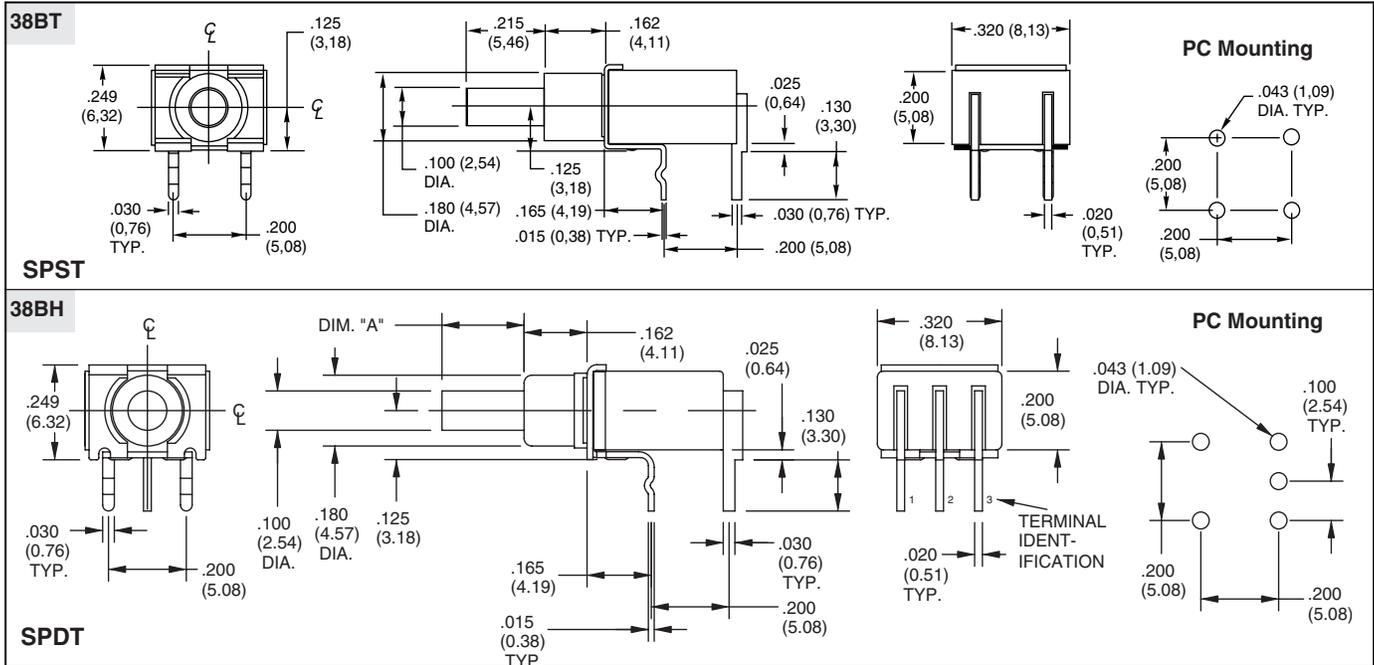Pushbutton Switches

SERIES 38BT and 38BH
Sub-Miniature Horizontal PC Mount

FEATURES
- Drop-In Replacement for Industry Standard
- Sealed Plunger Option
- Printed Circuit Board Mount
- SPST and SPDT, Momentary Contact

DIMENSIONS in inches (and millimeters)

38BT

SPST

38BH

SPDT

Unless otherwise indicated, tolerances are ± .010 (0,25)

SPECIFICATIONS

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: 1.0 Amp 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)
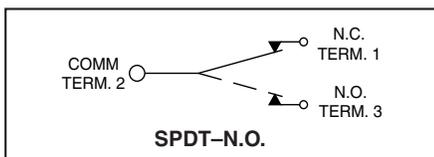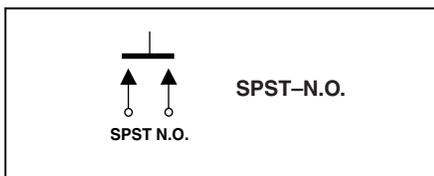**Plunger:** Thermoplastic (UL 94V-0), (S versions include an internal o-ring seal)
Terminals: Copper alloy, gold or silver plate (as specified) over nickel plate
Spring: Plated Music Wire
Contact System: Copper alloy, gold or silver plate (as specified) over nickel plate
Switch Support: Brass, tin-plated

CIRCUITRY

SPST–N.O.

SPST N.O.

COMM
TERM. 2

N.C.
TERM. 1

N.O.
TERM. 3

SPDT–N.O.

ORDERING INFORMATION

38BX-4-H-3-N

Series: 38BT = SPST, Momentary, Thru Hole
38BH = SPDT, Momentary, Thru Hole
Dimension A: 0 = 0.020" 4 = 0.215"

Seal: S = O-Ring Seal, N = No Seal
Contact Material: 1 = Solder Dip over Gold
2 = Solder Dip over Silver
3 = Gold - RoHS Compliant
4 = Silver - RoHS Compliant
Orientation: H = Horizontal to PCB

Mouser Electronics

Authorized Distributor

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

[Grayhill](#):

[38BT-4-H-4-S](#) [38BH-4-H-2-S](#) [38BH-4-H-4-S](#) [38BT-0-H-3-S](#) [38BT-4-H-2-S](#) [38BT-0-H-3-N](#) [38BH-0-H-3-S](#) [38BH-4-H-2-N](#) [38BT-0-H-1-S](#) [38BT-0-H-1-N](#) [38BT-0-H-2-N](#) [38BT-4-H-1-S](#) [38BT-4-H-3-S](#) [38BH-0-H-1-S](#) [38BH-4-H-1-S](#) [38BT-0-H-2-S](#) [38BH-4-H-3-N](#)