

SERIES 38B AND 38H

Sealed Surface Mount Subminiature Pushbutton Switches

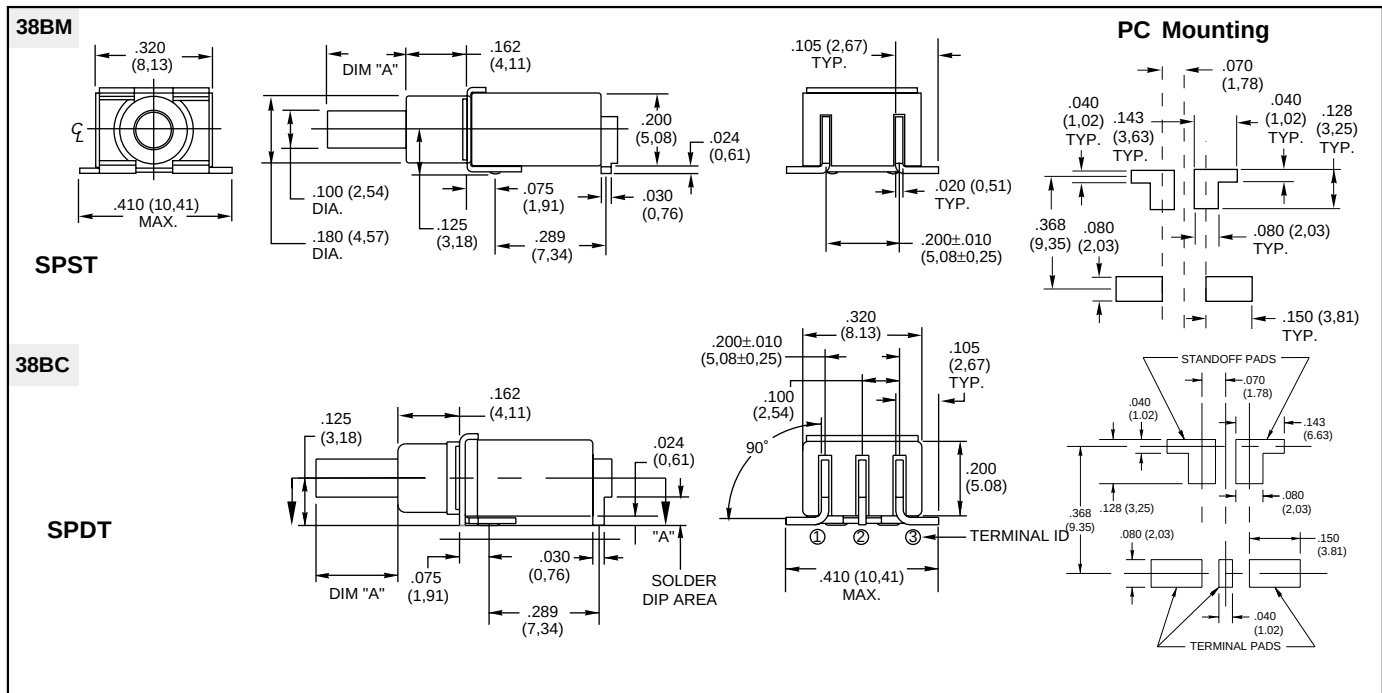
FEATURES

- Surface Mount Process Compatible
- Sealed Construction
- Solder-Coated Terminals
- Tape and Reel Packaging
- SPST and SPDT Momentary Contact



SERIES 38B

DIMENSIONS In inches (and millimeters)



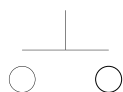
Circuitry

SPST

MODEL NO.	SWITCH POSITION	
WSP9	OFF	(ON)

()=MOMENTARY

SCHEMATIC

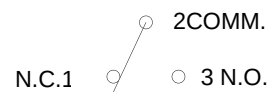


SPDT

MODEL NO.	SWITCH POSITION	
WSP8	ON	(ON)
TERM. COMM.	2-1	2-3

()=MOMENTARY

SCHEMATIC



SERIES 38B

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

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, solder plate over nickel plate, solder-coated

Spring: Plated Music Wire

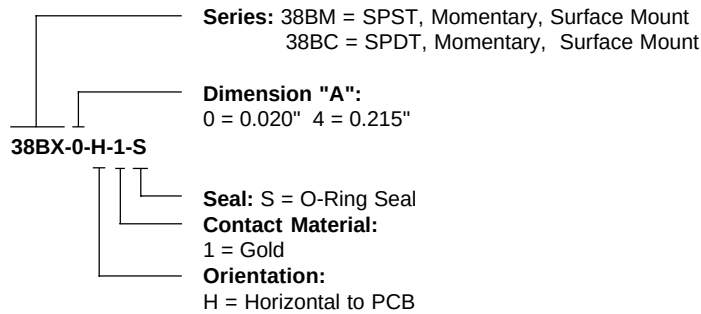
Contact System: Copper alloy, gold plate over nickel plate, solder-coated

Switch Support: Brass, tin-plated

Available from your local Grayhill Distributor.

For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

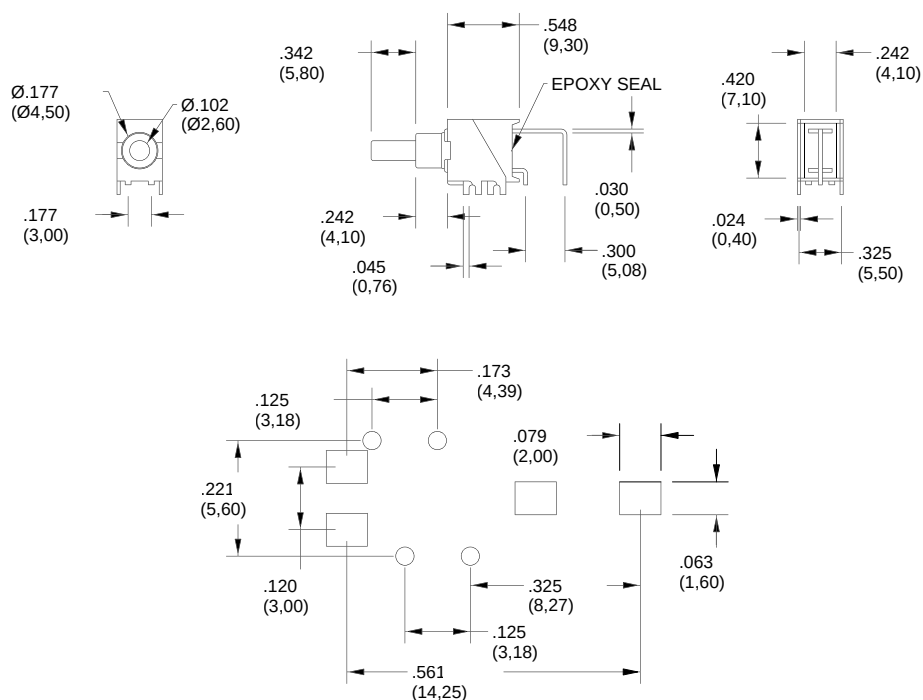
ORDERING INFORMATION

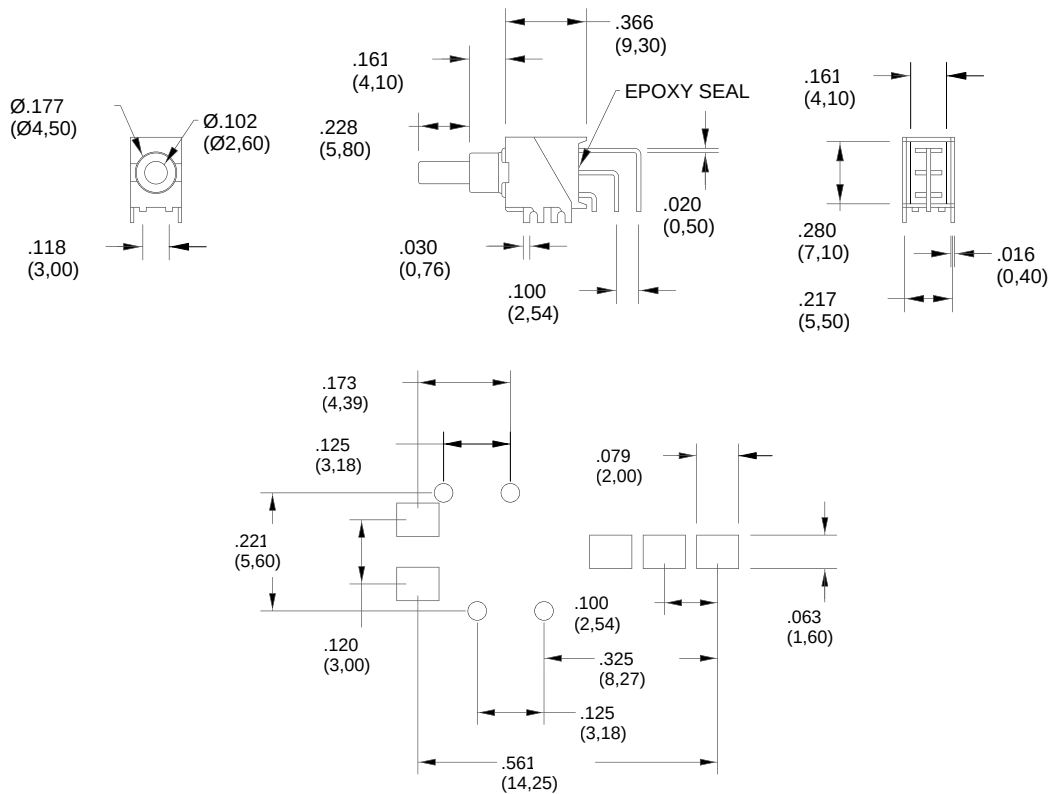
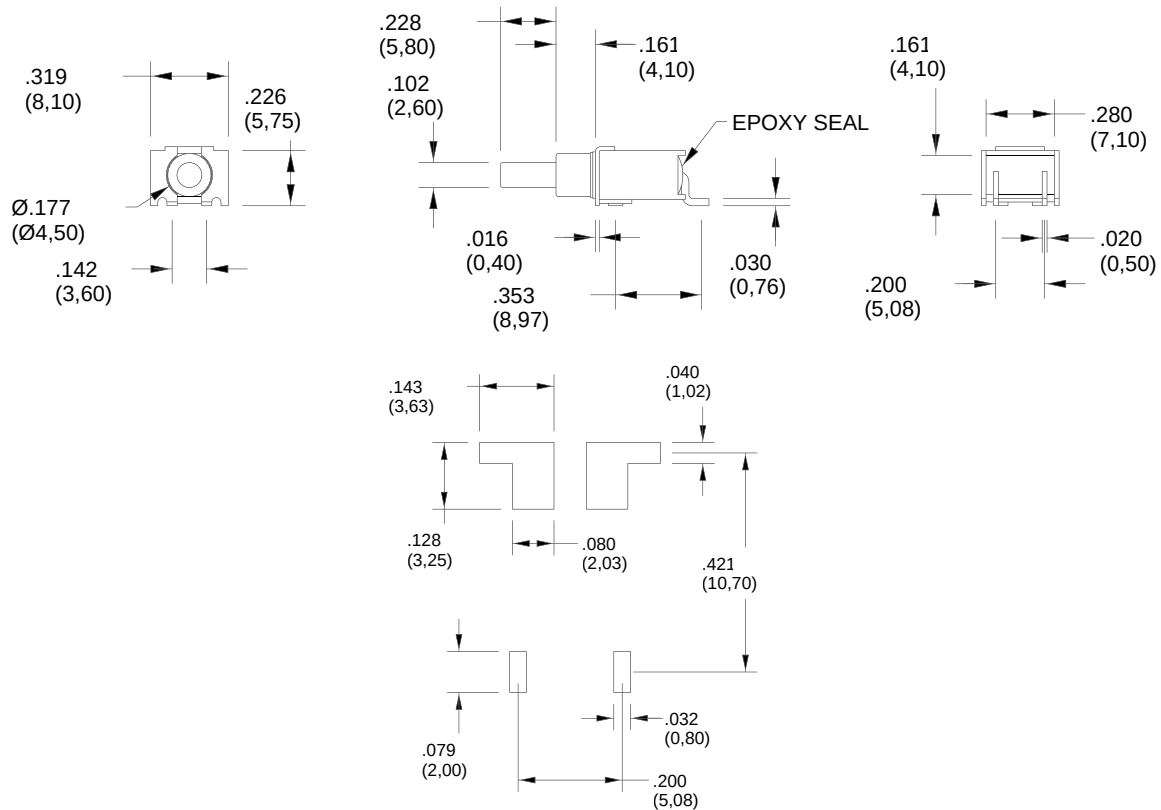


SERIES 38H

DIMENSIONS In inches (and millimeters)

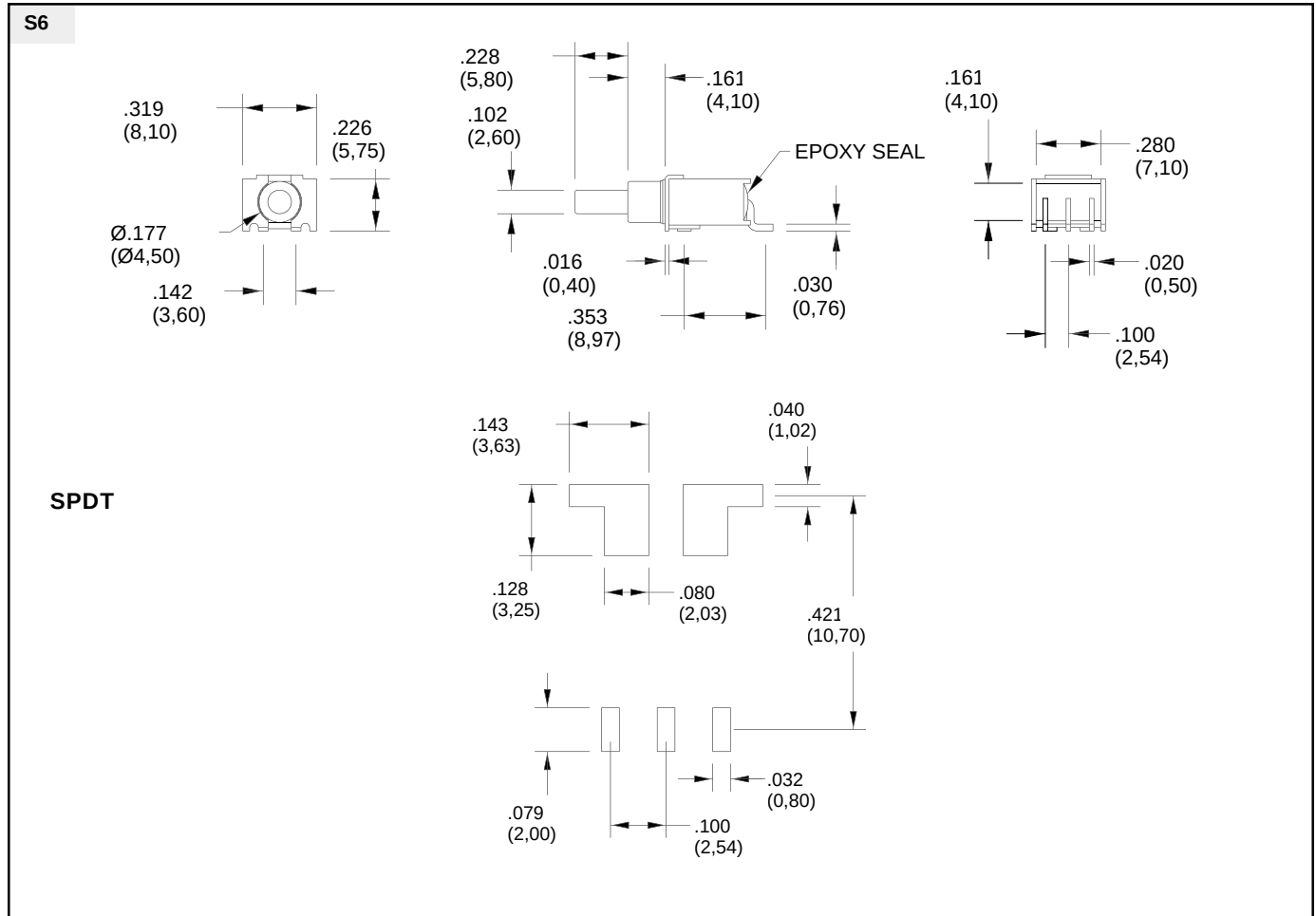
M7



SERIES 38H**DIMENSIONS** In inches (and millimeters)**M7****SPDT****S6****SPST**

SERIES 38H

DIMENSIONS In inches (and millimeters)



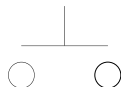
Circuitry

SPST

MODEL NO.	SWITCH POSITION	
WSP9	OFF	(ON)

()=MOMENTARY

SCHEMATIC

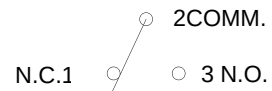


SPDT

MODEL NO.	SWITCH POSITION	
WSP8	ON	(ON)
TERM. COMM.	2-1	2-3

()=MOMENTARY

SCHEMATIC



SERIES 38H

SPECIFICATIONS

Rating Criteria

Operating Life: 50,000 make-and-break cycles at full load

Contact Rating (resistive load):

R Option: 0.4 VA maximum at 20 Vac or Vdc maximum

Q & G Options: 1A max at 125 Vac or 28 Vdc

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

Insulation Resistance: 1000 megaohms

minimum

Voltage Breakdown: 1500 Vrms minimum at sea level

Operating Temperature: -30°C. to +85°C.

Spring: Plated Music Wire

Contact System: Copper alloy

Switch Support: Brass, tin-plated

Materials and Finishes

Case: Glass Filled Nylon 4/6, UL94V-)

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

Terminals: Copper alloy

ORDERING INFORMATION

SERIES	MODEL NO.	TERMINATION	CONTACT	SEAL
38H	WSP8	M6	R	E
Sealed Surface Mount Subminiature Pushbutton Switches	Options: WSP8, WSP9 (see models for switching positions)	Options: M6, S6 (see termination options)	R = Copper alloy, gold plate over nickel plate. G=Copper alloy, Gold plate over silver plate Q= Copper alloy, Silver Plate	E = Epoxy seal