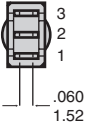
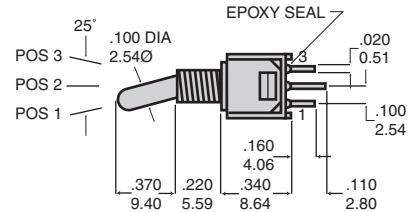
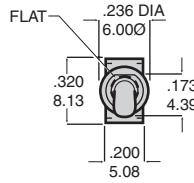


2M Series Sub-Miniature Single Pole Toggle Switches



| No. Poles | UL/CSA Model No. | Model No. | SWITCH FUNCTION | | | CONNECTED TERMINALS | | |
|-----------|------------------|-----------|-----------------|--------|--------|---------------------|--------|--------|
| | | | Pos. 1 | Pos. 2 | Pos. 3 | Pos. 1 | Pos. 2 | Pos. 3 |
| | | | | | | | | |
| SP | Q2211 | 2MS1 | On | None | On | | OPEN | |
| | Q2212 | 2MS2 | On | None | Mom | | | |
| | Q2213 | 2MS3 | On | Off | On | | | |
| | Q2214 | 2MS4 | Mom | Off | Mom | | | |
| | Q2215 | 2MS5 | On | Off | Mom | | | |
| | Q2216 | 2MS6 | Off | None | On | | | |

MOM=Momentary

Specifications

Contact Rating: Dependent upon contact material

Electrical Life: 30,000 make-and-brake cycles at full load.

Contact Resistance: 20m Ω max. initial @ 2-4VDC
100mA for both silver and gold plated contacts.

Insulation Resistance: 1,000M Ω min.

Dielectric Strength: 1000 V RMS@sea level

Operating Temperature: -30° C to 85° C

Materials

Case: Diallyl phthalate (DAP)(UL-94V-0)

Actuator: Brass, chrome plated

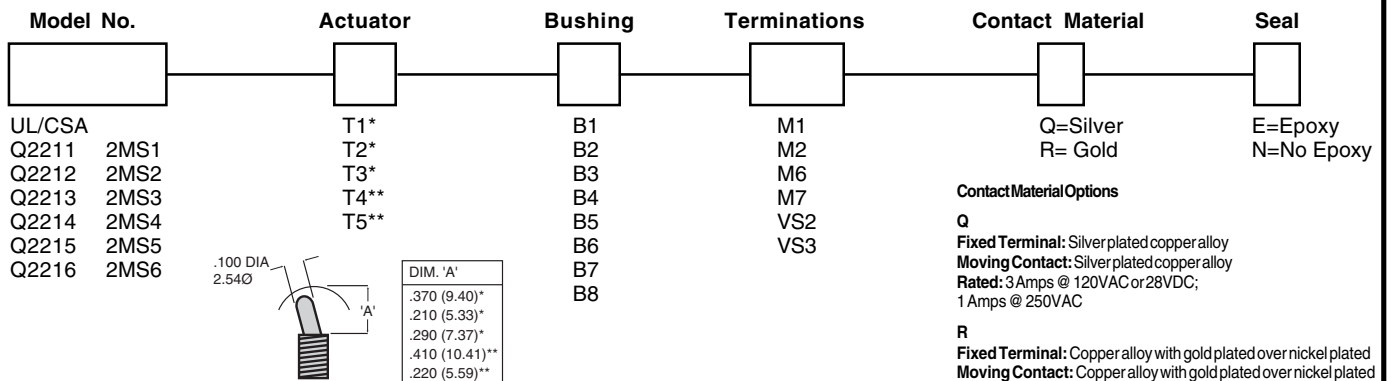
Bushing: Brass, nickel plated

Housing: Stainless Steel

Switch Support: Brass, tin plated

Terminals/Contact: Brass, with Silver or gold plated

Ordering Information



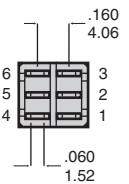
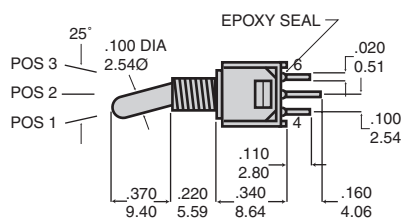
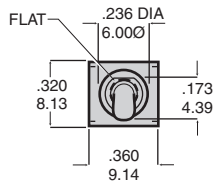
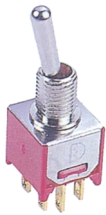
*Actuator shown with B1 or B3 bushing, subtract 0.09 (2.29) for B5 bushing, subtract 0.041 (1.02) for B7 bushing.
 **Actuator shown with B5 bushing, add 0.09 (2.29) for B1 and B3 bushing, add 0.05 (1.27) for B7 bushing.



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MADE IN U.S.A.

2M Series Sub-Miniature Double Pole Toggle Switches



| No. Poles | UL/CSA Model No. | Model No. | SWITCH FUNCTION | | | CONNECTED TERMINALS | | |
|-----------|------------------|-----------|-----------------|--------|--------|---------------------|--------|--------|
| | | | Pos. 1 | Pos. 2 | Pos. 3 | Pos. 1 | Pos. 2 | Pos. 3 |
| | | | | | | | | |
| DP | Q2221 | 2MD1 | On | None | On | | OPEN | |
| | Q2222 | 2MD2 | On | None | Mom | | | |
| | Q2223 | 2MD3 | On | Off | On | | | |

MOM=Momentary

Specifications and Materials: See page 1.

Ordering Information

| Model No. | Actuator | Bushing | Termination | Contact Material | Seal |
|--|---|--|--|---|---|
| <ul style="list-style-type: none"> UL/CSA Q2221 2MD1 Q2222 2MD2 Q2223 2MD3 | <ul style="list-style-type: none"> T1* T2* T3* T4** T5** | <ul style="list-style-type: none"> B1 B2 B3 B4 B5 B6 B7 B8 | <ul style="list-style-type: none"> M1 M2 M6 M7 VS2 VS3 | <ul style="list-style-type: none"> Q=Silver R= Gold | <ul style="list-style-type: none"> E=Epoxy N=No Epoxy |

Contact Material Options

Q
Fixed Terminal: Silver plated copper alloy
Moving Contact: Silver plated copper alloy
Rated: 3Amps @ 120VAC or 28VDC;
 1Amps @ 250VAC

R
Fixed Terminal: Copper alloy with gold plated over nickel plated
Moving Contact: Copper alloy with gold plated over nickel plated
Rated: .04 VA max. @ 20VAC or DC MAX.

DIM. 'A'

| |
|----------------|
| .370 (9.40)* |
| .210 (5.33)* |
| .290 (7.37)* |
| .410 (10.41)** |
| .220 (5.59)** |

*Actuator shown with B1 or B3 bushing, subtract 0.09 (2.29) for B5 bushing, subtract 0.041 (1.02) for B7 bushing.
 **Actuator shown with B5 bushing, add 0.09 (2.29) for B1 and B3 bushing, add 0.05 (1.27) for B7 bushing.



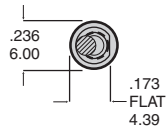
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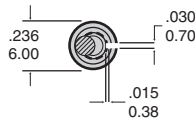
2M Series Sub-Miniature Double Pole Toggle Switches

Bushing Options

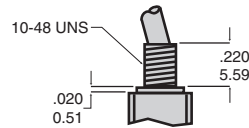
B1 THD
B2 NON-THD



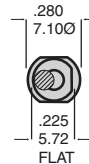
B3 THD
B4 NON-THD



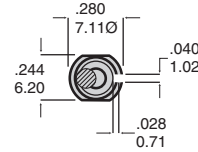
B1-B4



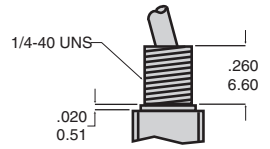
B5 THD
B6 NON-THD



B7 THD
B8 NON-THD

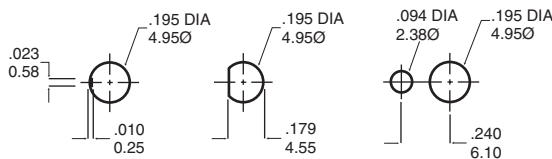


B5-B8



Panel Cutout

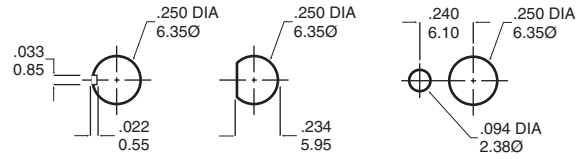
10-48 BUSHING



Without locking ring

With Std. locking ring

1/4 in. BUSHING

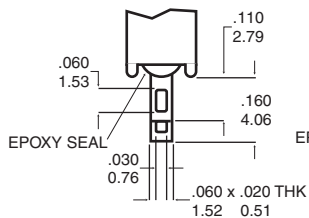


Without locking ring

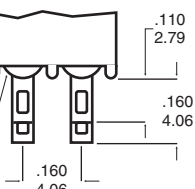
With Std. locking ring

Termination Options

M1

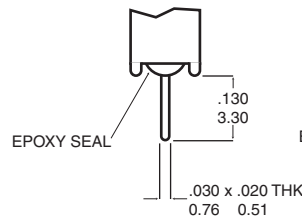


Single Pole

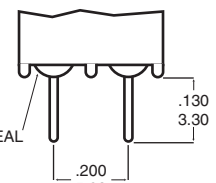


Double Pole

M2

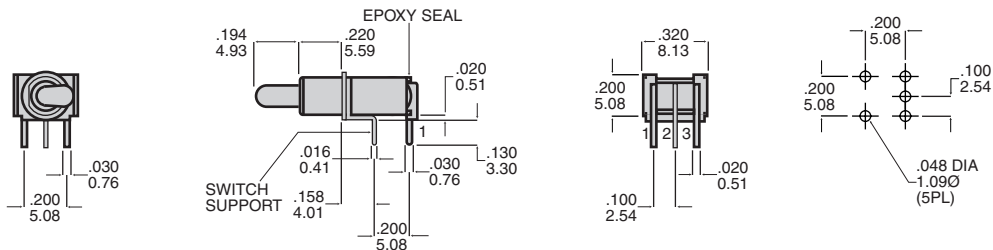


Single Pole



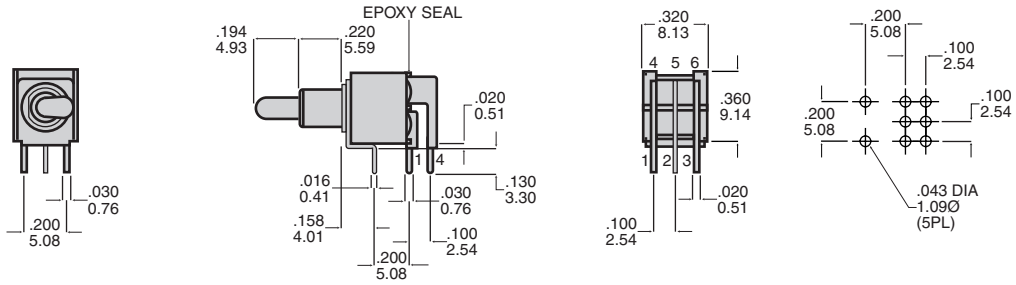
Double Pole

M6 SPDT

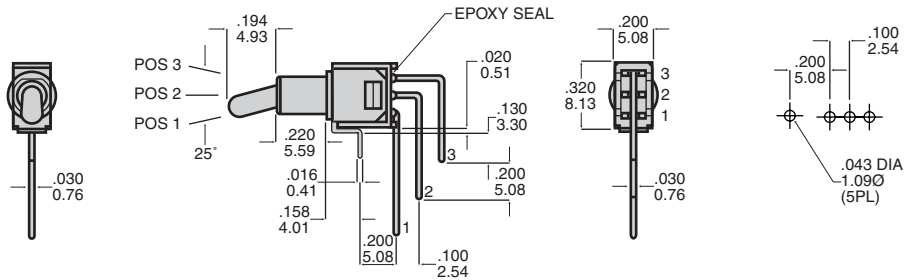


Termination Options (continued)

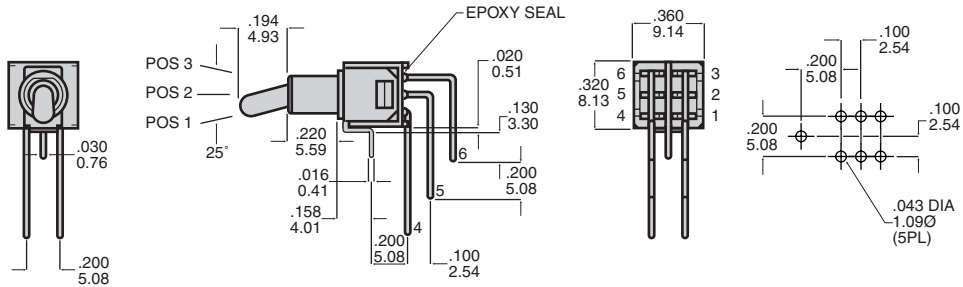
M6 DPDT



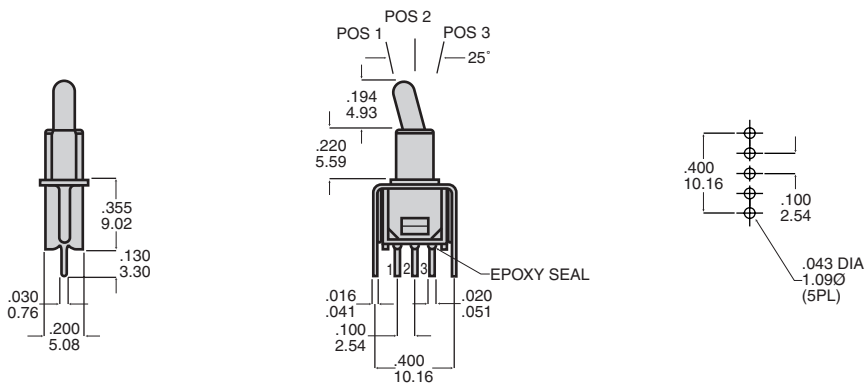
M7 SPDT



M7 DPDT



VS2 SPDT



VS3 DPDT

