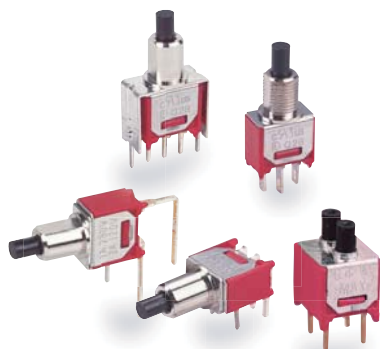




SPECIFICATIONS

CONTACT RATING: Dependent upon contact material See Page 128.

MECHANICAL LIFE: 50,000 make-and-break cycles.

CONTACT RESISTANCE: 20 mΩ max. initial @ 2-4VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 MΩ min.

DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE: Diallyl phthalate(DAP) (UL94V-0).

PLUNGER: Thermoplastic Polyester-black.

BUSHING: Brass,nickel plated.

HOUSING: Stainless Steel.

SWITCH SUPPORT: Brass.tin plated.

CONTACT/TERMINAL:Brass, with silver or gold plated.

(See Page 128)



HOW TO ORDER



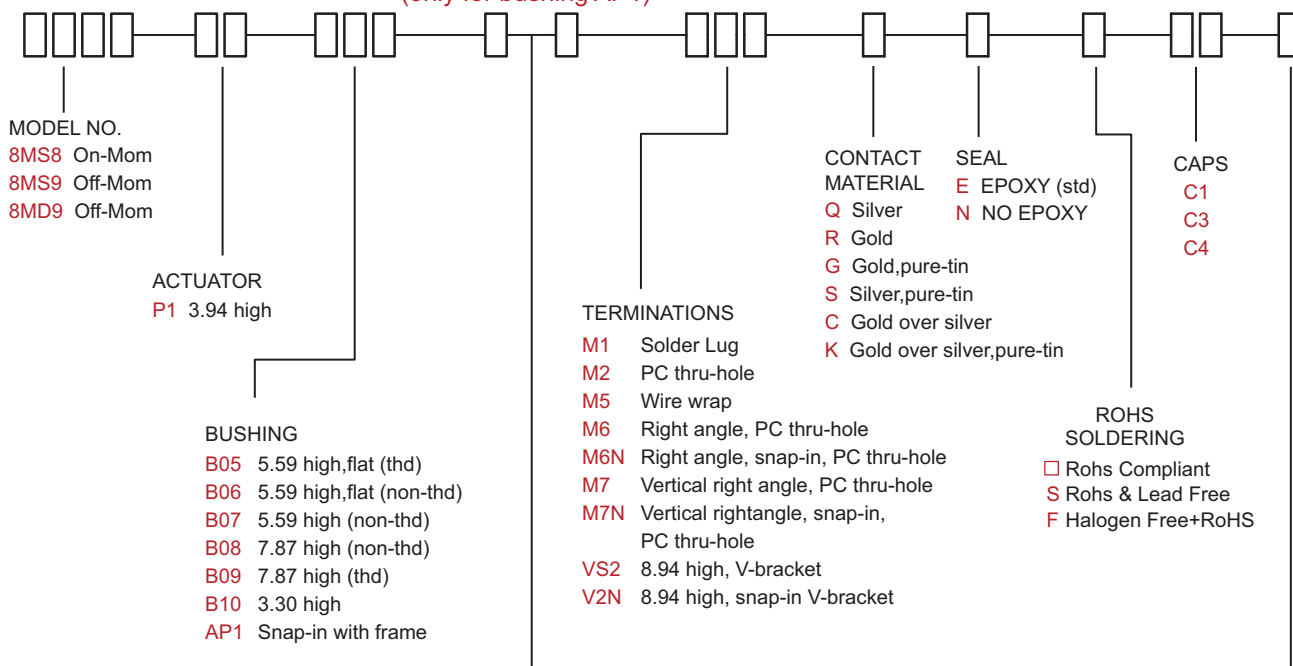
8M
Pushbutton Switches

MODEL NO. ACTUATOR BUSHING FRAME COLOR CAP COLOR TERMINATIONS CONTACT MATERIAL SEAL ROHS SOLDERING CAPS CAP COLOR

See below

(only for bushing AP1)

See below



MODEL NO.
8MSL On-On

ACTUATOR
P1 4.29 high

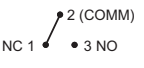
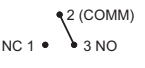
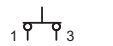
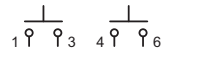
BUSHING
B05 5.24 high,flat (thd)
B06 5.24 high,flat (non-thd)

FRAME COLOR
ACTUATOR COLOR

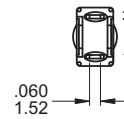
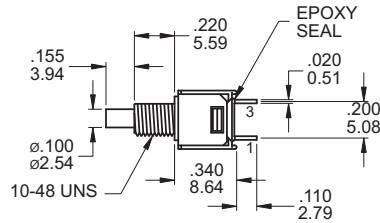
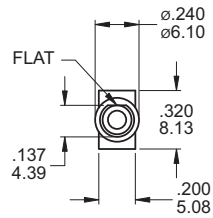
See below

ITEM NO	COLOR
1	White
2	Black (Std)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray

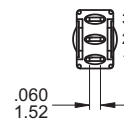
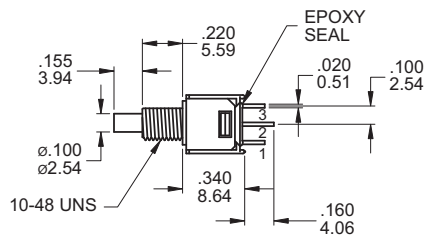
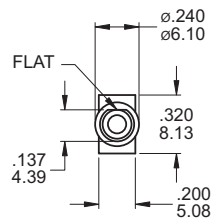
SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
			POS.1	POS.2	POS.1	POS.2
SP	Q2818	8MS8	ON	MOM	2-1 	2-3 
	Q2819	8MS9	OFF	MOM	OPEN	1-3 
DP	Q2829	8MD9	OFF	MOM	OPEN	1-3,4-6 

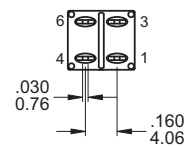
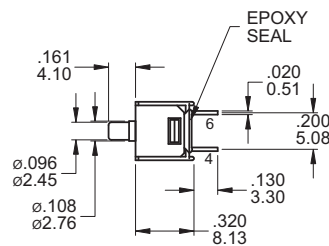
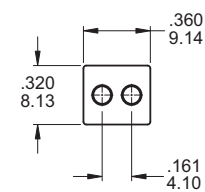
MOM=MOMENTARY

POLE OPTIONS**SPDT**

Part No. Shown : 8MS9P1B05M1QE

**SPDT**

Part No. Shown : 8MS8P1B05M1QE

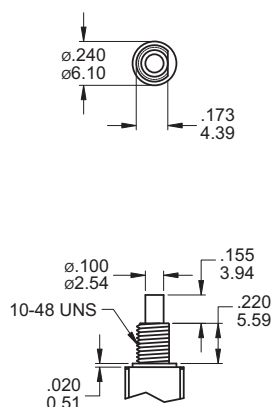
**DPDT**

Part No. Shown : 8MD9P100M2RE

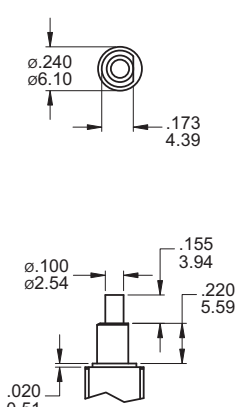
8M
Pushbutton Switches

BUSHING OPTIONS

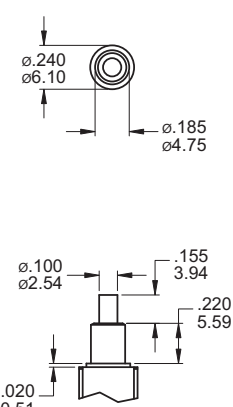
B05 THD



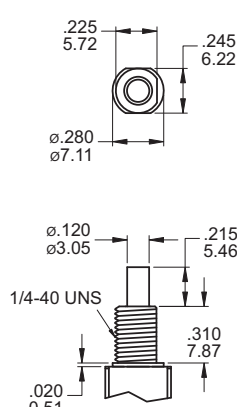
B06 NON-THD



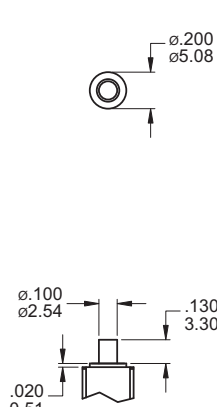
B07 NON-THD



**B08 NON-THD
B09 THD**

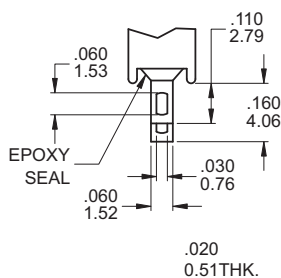


B10

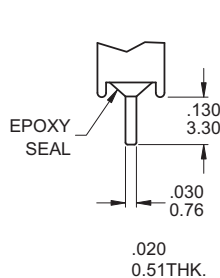


TERMINATION OPTIONS

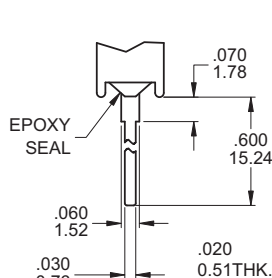
M1 SOLDER LUG



M2 P.C. MOUNTING



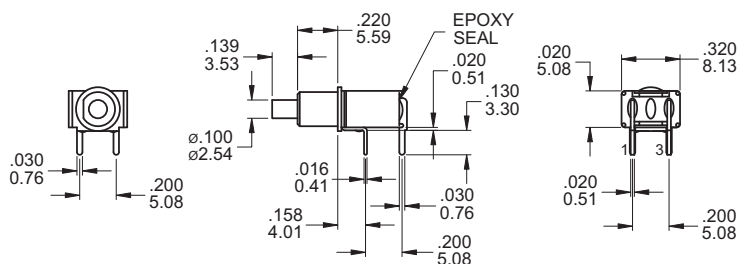
M5 WIRE WRAP



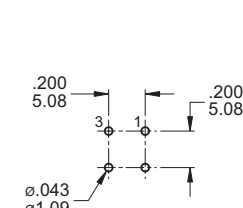
OTHER TERMINATION OPTIONS

- M6 RIGHT ANGLE P.C. MOUNT
- M6N RIGHT ANGLE P.C. MOUNT WITH SNP-IN BRACKET
- M7 RIGHT ANGLE P.C. MOUNT
- VS2 VERTICAL BRACKET P.C. MOUNT

M6



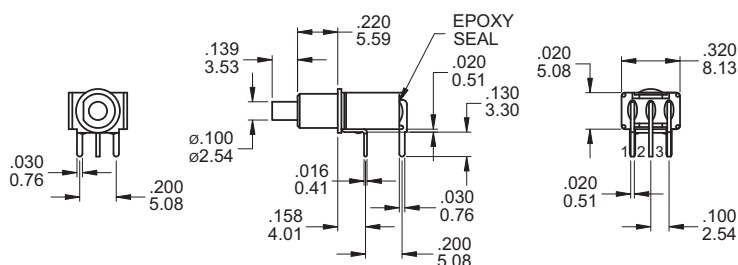
P.C. MOUNTING



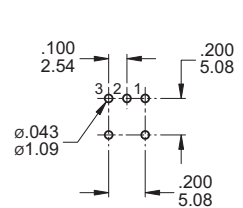
SPST

Part No. Shown : 8MS9P1B06M6RE

M6



P.C. MOUNTING

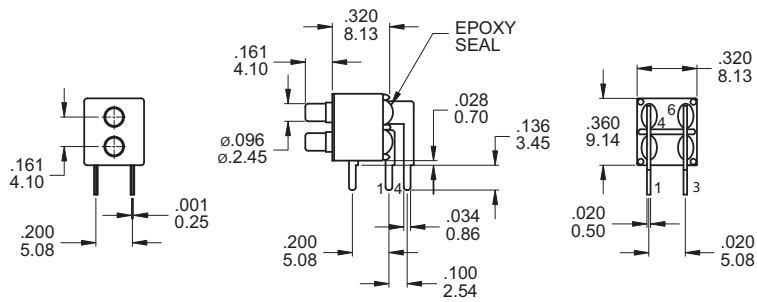
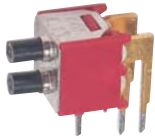


SPDT

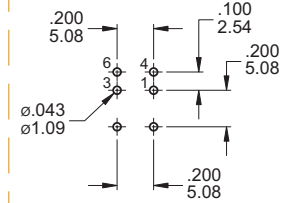
Part No. Shown : 8MS8P1B06M6QE

8M SERIES

M6



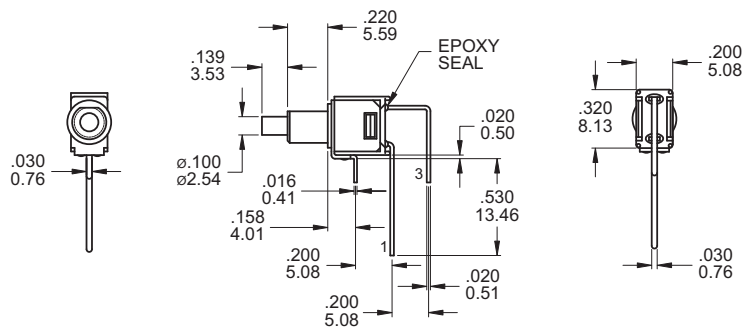
P.C. MOUNTING



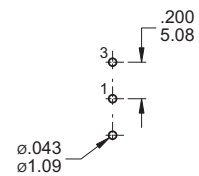
DPST

Part No. Shown : 8MD9P100M6RE

M7



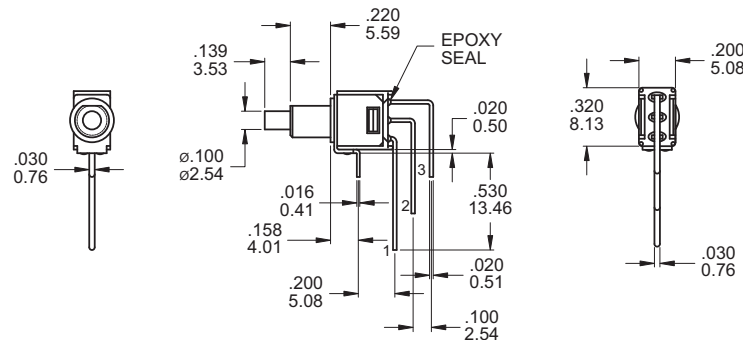
P.C. MOUNTING



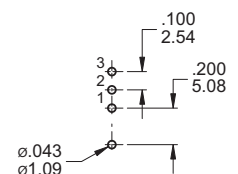
SPST

Part No. Shown : 8MS9P1B06M7QE

M7



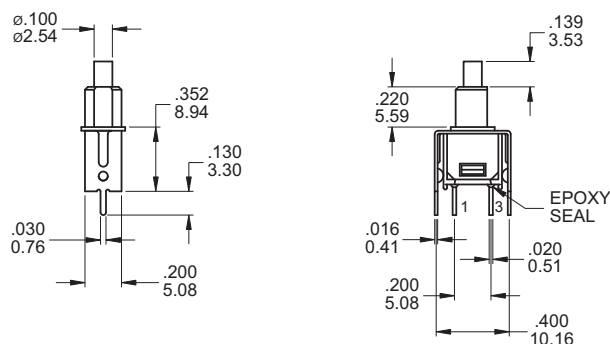
P.C. MOUNTING



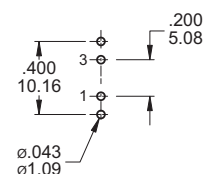
SPDT

Part No. Shown : 8MS8P1B06M7QE

VS2



P.C. MOUNTING



SPST

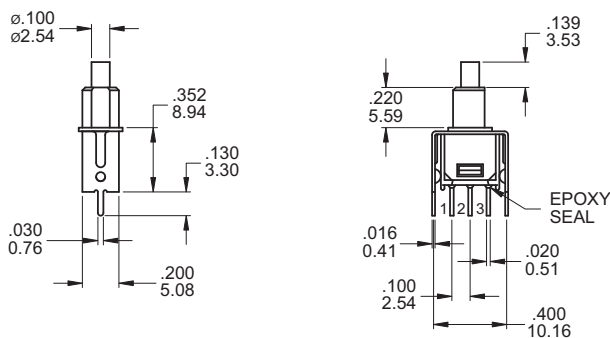
Part No. Shown : 8MS9P1B06VS2QE

VS2

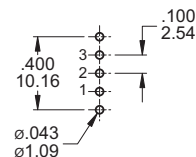


SPDT

Part No. Shown : 8MS8P1B06VS2QE



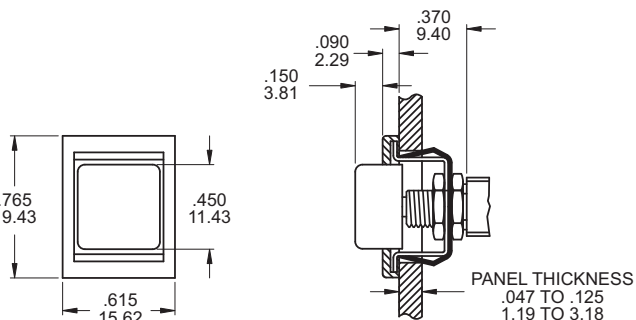
P.C. MOUNTING



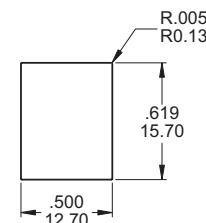
AP1



Part No. Shown : 8MS9AP1M1QE

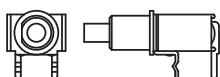


PANEL MOUNTING

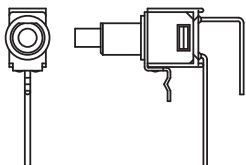


SNAP-IN TERMINATION OPTIONS

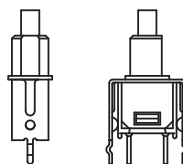
M6N



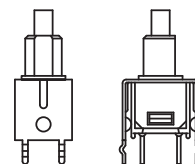
M7N



V2N

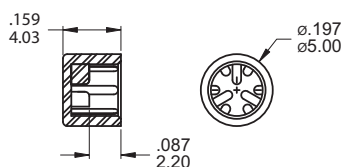


V3N

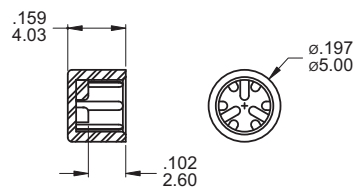


CAP OPTIONS

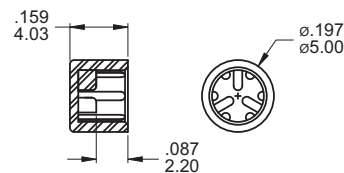
C1 For 8M Series ONLY



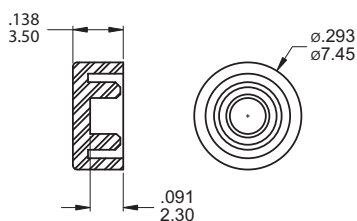
C2 For 8A,8B Series ONLY



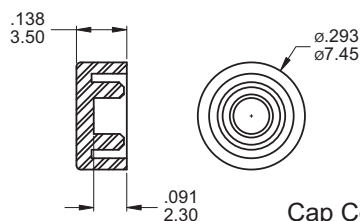
C3 For 8M Series B8,B9 Bushing ONLY



C4 For 8M Series ONLY



C5 For 8A,8B Series ONLY



Cap Color : White, Black, Red, Green

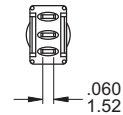
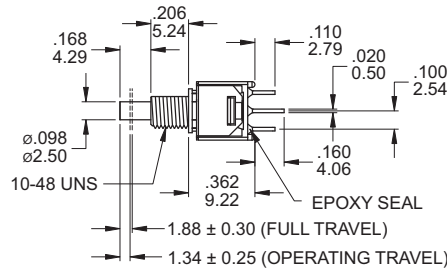
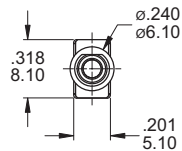
SPECIFICATIONS**RATING:** 1A 250VAC, 3A 120VAC or 28VDC**MECHANICAL LIFE:** 6,000 cycles.**CONTACT RESISTANCE:** $R=20m\Omega$ Max, $Q=50m\Omega$ Max**INSULATION RESISTANCE:** 1,000 $M\Omega$ min., 1000VDC**DIELECTRIC STRENGTH:** 1,000VAC for 1 Minute**OPERATING TEMPERATURE:** -30°C to 85°C.**FULL TRAVEL:** $1.88\pm0.30mm$ **OPERATING TRAVEL:** $1.34\pm0.25mm$ **OPERATING FORCE:** $350\pm100g$ **MATERIALS****CASE:** Diallyl phthalate(DAP) (UL94V-0).**PLUNGER:** Nylon glass fiber.**BUSHING:** Brass, nickel plated.**HOUSING:** Stainless.**SWITCH SUPPORT:** Brass, tin plated.**CONTACT/TERMINAL:** Brass, with silver or gold plated.**SWITCH FUNCTION**

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION	
			POS.1	POS.2
SP	Q28	8MSL	ON	ON
CONNECTED TERMINALS / SCHEMATIC				
POS.1			POS.2	
2-1 NC 1 • 2 (COMM) • 3 NO			2-3 NC 1 • 2 (COMM) • 3 NO	

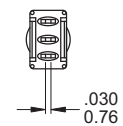
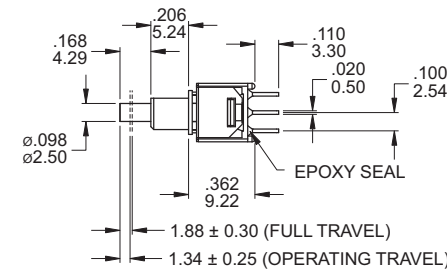
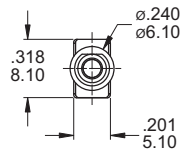
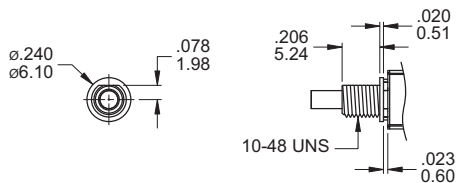
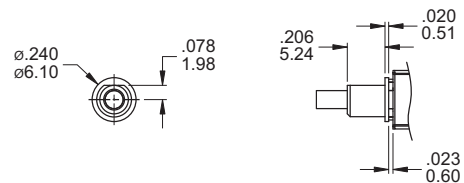
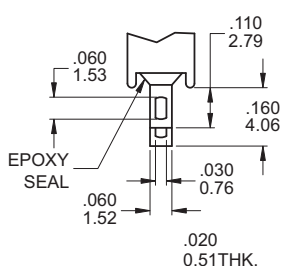
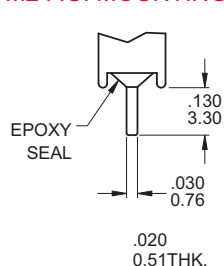
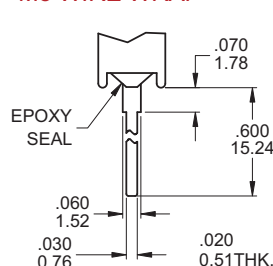
MOM=MOMENTARY

POLE OPTIONS**M1****SPDT**

Part No. Shown : 8MSLP1B05M1QE

**M2****SPDT**

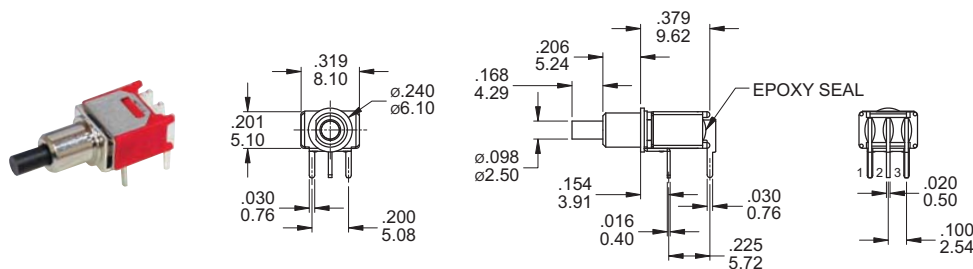
Part No. Shown : 8MSLP1B06M2QE

**BUSHING OPTIONS****B05 THD****B06 NON-THD****TERMINATION OPTIONS****M1 SOLDER LUG****M2 P.C. MOUNTING****M5 WIRE WRAP****OTHER TERMINATION OPTIONS**

M6	RIGHT ANGLE P.C. MOUNT
M7	RIGHT ANGLE P.C. MOUNT
VS2	VERTICAL BRACKET P.C. MOUNT

8M (Lock)
Pushbutton
Switches

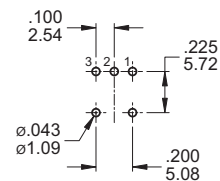
M6



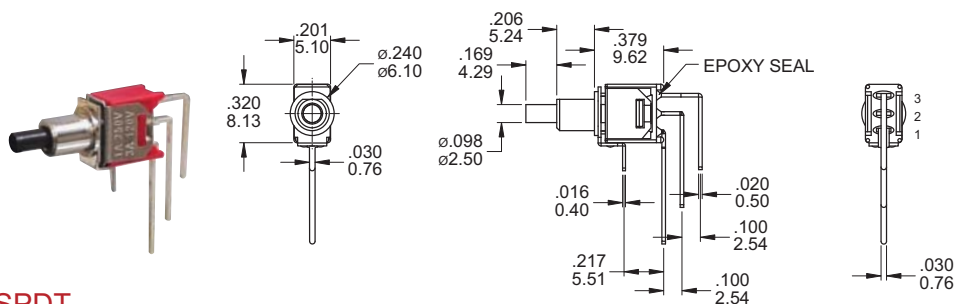
SPDT

Part No. Shown : 8MSLP1B06M6RE

P.C. MOUNTING



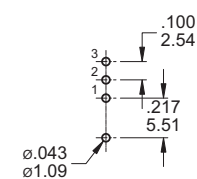
M7



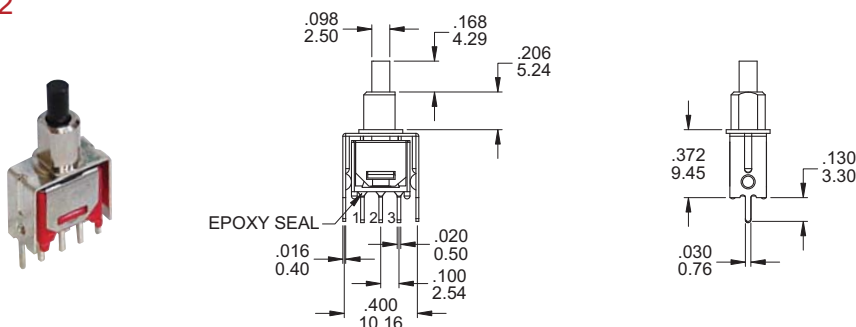
SPDT

Part No. Shown : 8MSLP1B06M7QE

P.C. MOUNTING



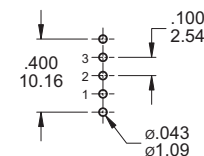
VS2



SPDT

Part No. Shown : 8MSLP1B06VS2QE

P.C. MOUNTING



CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
S		S = Silver,pure - tin	
C	Gold over Silver	C = Gold over silver	
K		K = Gold over silver,pure - tin	
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)
G		G = Gold,pure - tin	

SOLDERING PROCESSES

MANUAL SOLDERING : Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

WAVE SOLDERING : Recommended Soldering Temperature : 260 ± 5°C

Duration of Solder Immersion : Max 5 sec. (PCB is 1.6mm in thickness)

SOLDERING : Vapor phase