

## SPECIFICATIONS

**CONTACT RATING:** Dependent upon contact material. See [Contact Plating & Ratings](#).

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

**CONTACT RESISTANCE:** 20 mΩmax. initial @ 2-4VDC 100mA for both silver and gold plated contacts.

**INSULATION RESISTANCE:** 1,000 MΩmin.

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

models available,  
consult sales representatives.

**OPERATING TEMPERATURE:** -40°C to 85°C.

## MATERIALS

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

**PLUNGER:** Nylon 6/6,black.

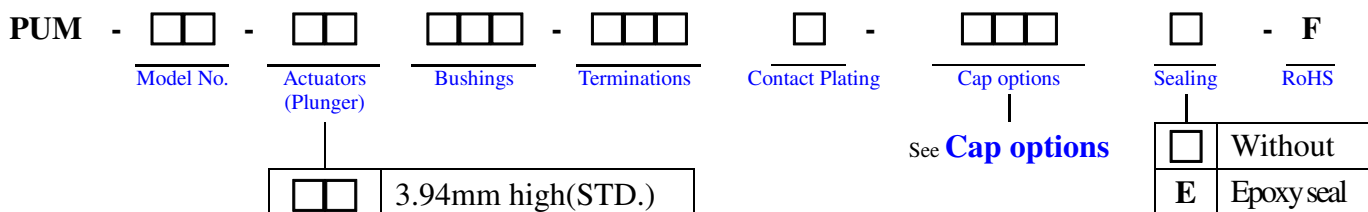
**BUSHING:** Brass or zinc,nickel plated.

**HOUSING:** Stainless Steel.

**SWITCH SUPPORT:** Brass,tin plated.

**CONTACT/TERMINAL:** Copper alloy or Brass, with silver or gold plated. See [Contact Plating & Ratings](#).

## PART NUMBERING SYSTEM

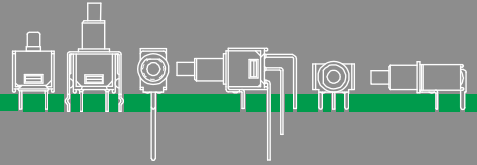


### Model No./ Switching function

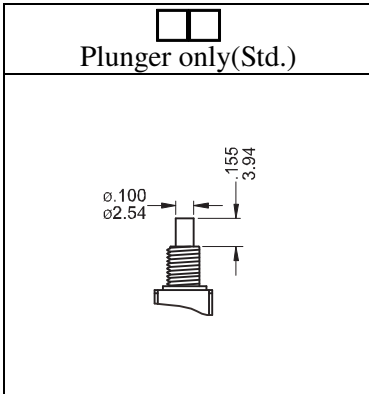
( )= Momentary

Unit: Inch/ mm

SPST		Part No. Shown: PUM-S9-B5-M1□E-F	
Model No.	Switching function	SPST	
<b>S9</b>	Off (On)		
Connected terminals	Open 1-3		
Schematic			
SPDT		Part No. Shown: PUM-S8-B5-M1□E-F	
Model No.	Switching function	SPDT	
<b>S8</b>	On (On)		
Connected terminals	2-1 2-3		
Schematic			

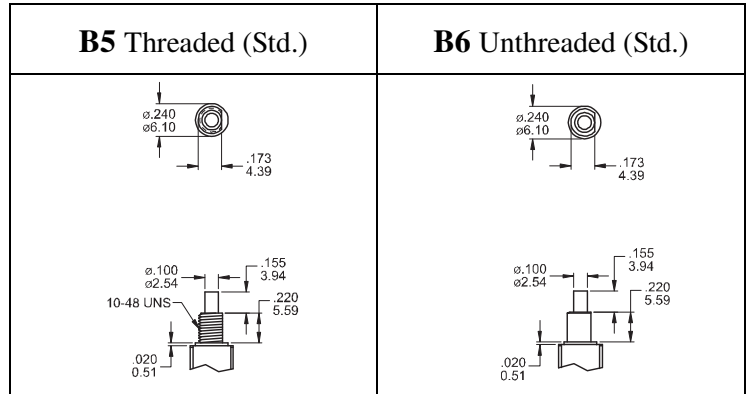


**Actuators(Plunger)**



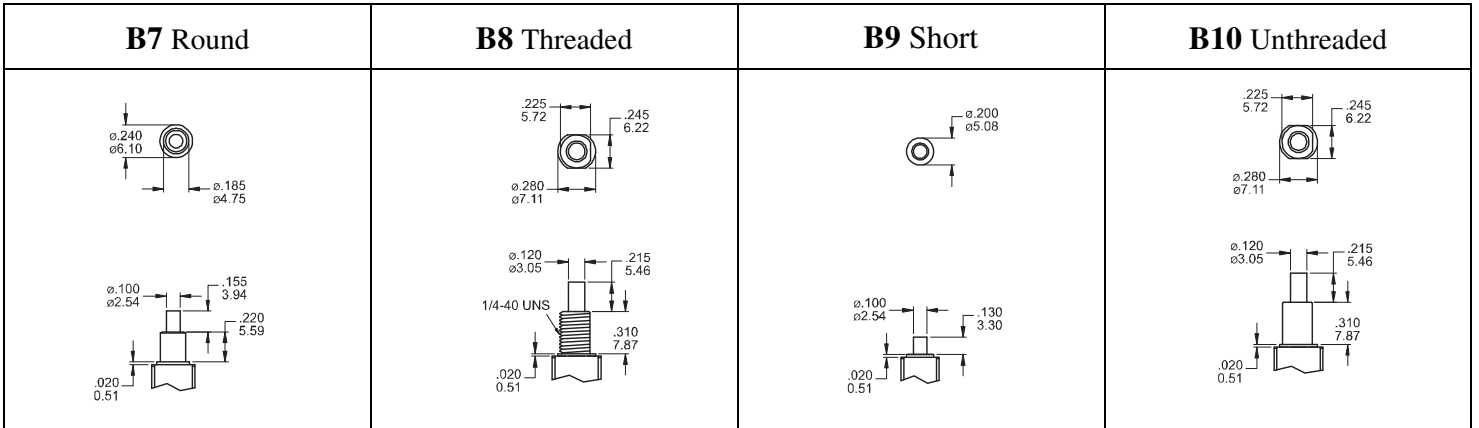
**Bushings**

Unit: Inch/ mm



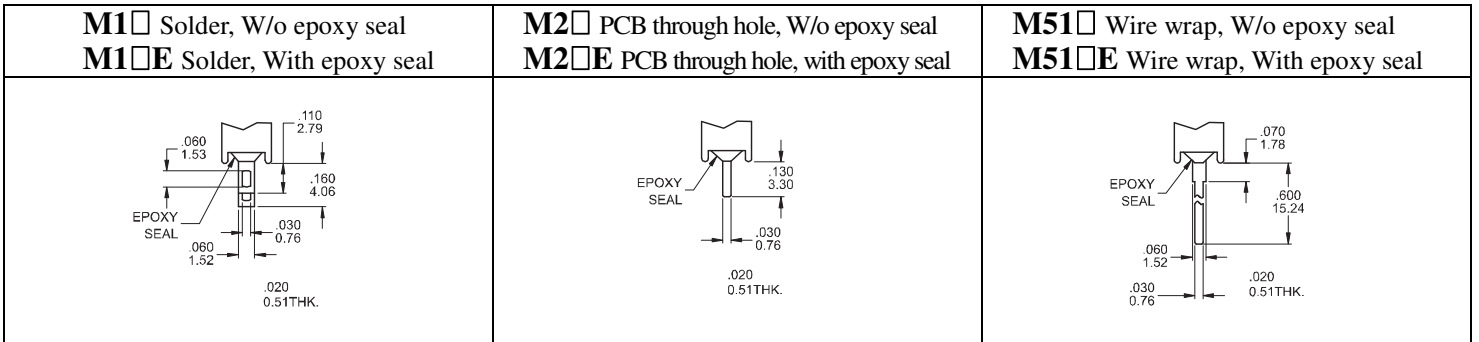
**Bushings**

Unit: Inch/ mm



**Terminations & Sealing**

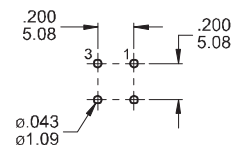
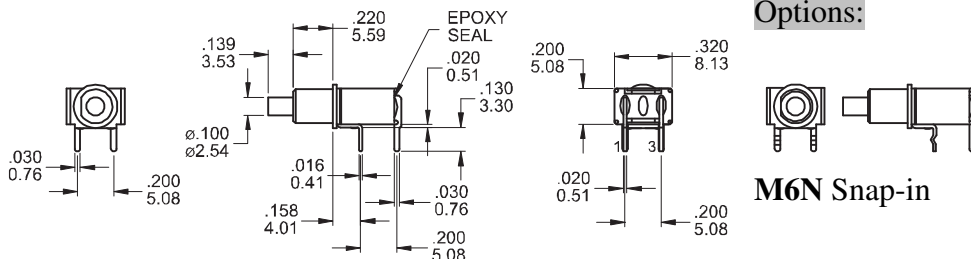
Unit: Inch/ mm

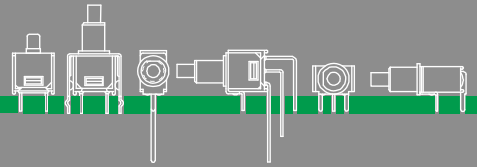


**M6  Right angle P.C. Mount**

Part No. Shown: PUM-S9-B6-M6   E-F  
SPST

**P. C. B. Layout**





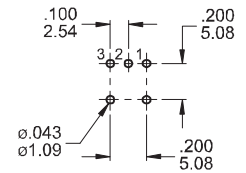
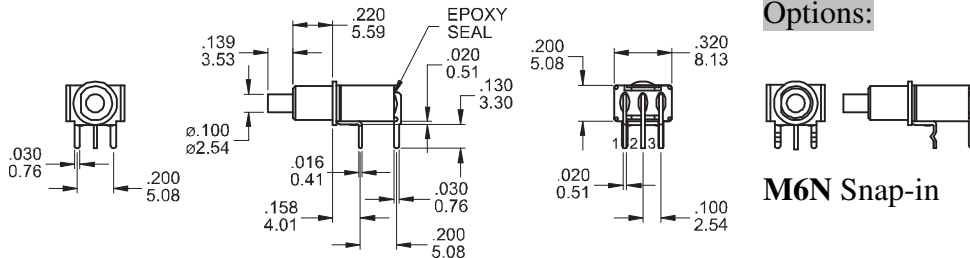
**Terminations & Sealing**

Unit: Inch/ mm

**M6** Right angle P.C. Mount

Part No. Shown: PUM-S8-B6-M6□□E-F  
SPDT

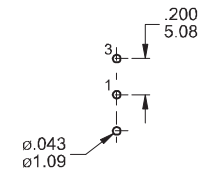
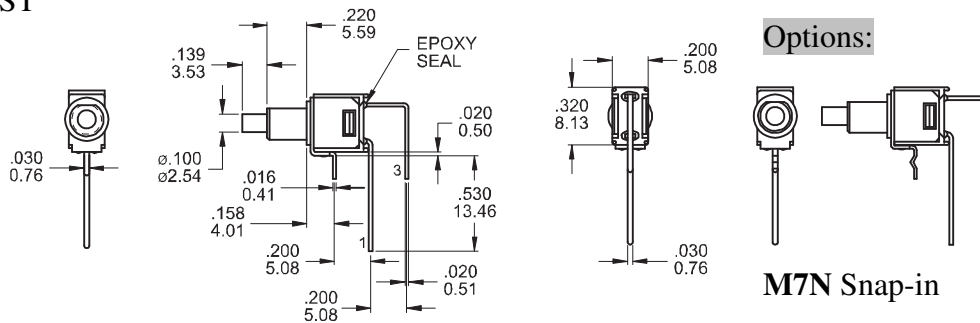
**P. C. B. Layout**



**M7** Vertical right angle P.C. Mount

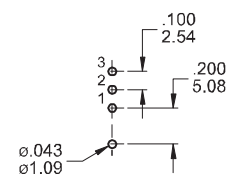
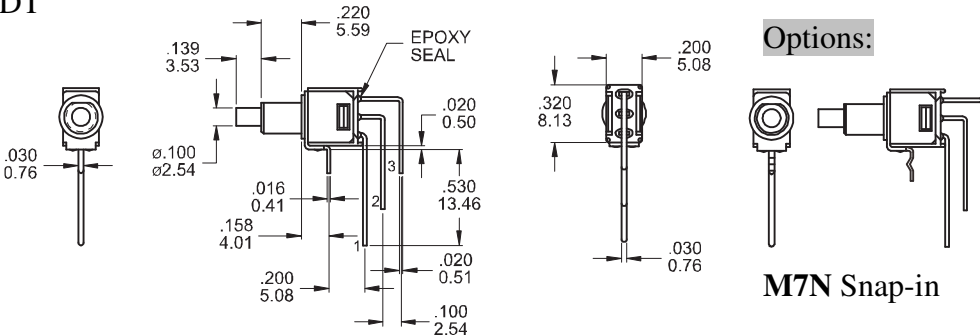
Part No. Shown: PUM-S9-B6-M7□□E-F  
SPST

**P. C. B. Layout**



Part No. Shown: PUM-S8-B6-M7□□E-F  
SPDT

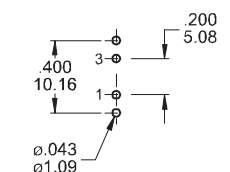
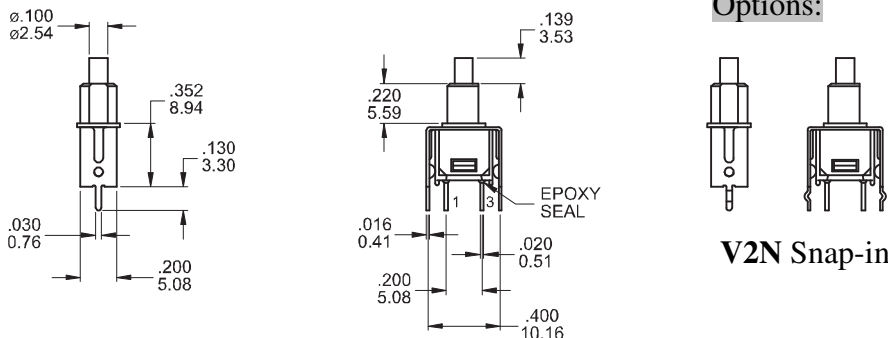
**P. C. B. Layout**

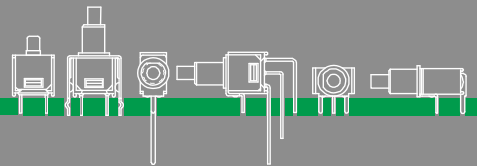


**V2** Vertical bracket P.C. Mount

Part No. Shown: PUM-S9-B6-V2□□E-F  
SPST

**P. C. B. Layout**



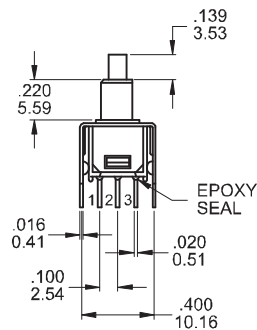
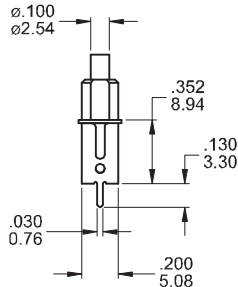


## Terminations & Sealing

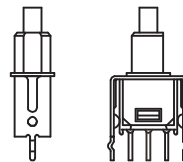
Unit: Inch/ mm

### V2 Vertical bracket P.C. Mount

Part No. Shown: PUM-S8-B6-V2   E-F  
SPDT

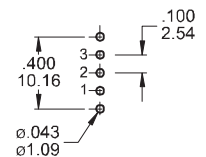


### Options:



### V2N Snap-in

### P. C. B. Layout



## Contact Plating & Ratings

Option code	Contact plating	Terminal plating	Ratings
<b>G</b>	Gold	Gold	0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)
<b>S</b>	Silver	Silver	3 Amps with resistant load @ 120VAC or 28VDC
<b>A</b>	Gold over silver	Gold over silver	1 Amps with resistant load @ 250VAC

## SOLDERING PROCESSES

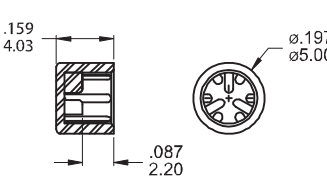
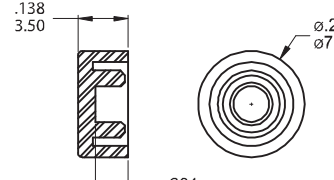
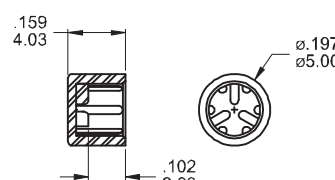
Manual soldering: Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

Wave soldering: Recommended soldering temperature: 270 ± 5°C.

Duration of solder immersion: Max 5 sec. (PCB is 1.6mm in thickness).

## Cap options

Unit: Inch/ mm

C1 <input type="checkbox"/>	C2 <input type="checkbox"/>	C3 <input type="checkbox"/>
		
		For B8, B10 bushing only

### Cap color

(Besides standard color, other colors need to check stocks available.)

<input type="checkbox"/>	Plunger only	<b>4</b>	Orange	<b>8</b>	Brown
<b>1</b>	White	<b>5</b>	Yellow	<b>9</b>	Gray
<b>2</b>	Black(STD.)	<b>6</b>	Green		
<b>3</b>	Red	<b>7</b>	Blue		