

SPECIFICATIONS

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

MECHANICAL LIFE: 30,000 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.

OPERATING TEMPERATURE: -40°C to 85°C.

MATERIALS

CASE: Diallyl phthalate (DAP) (UL94v-0).

ACTUATOR: Brass, chrome plated.

BUSHING: Brass or zinc, nickel plated.

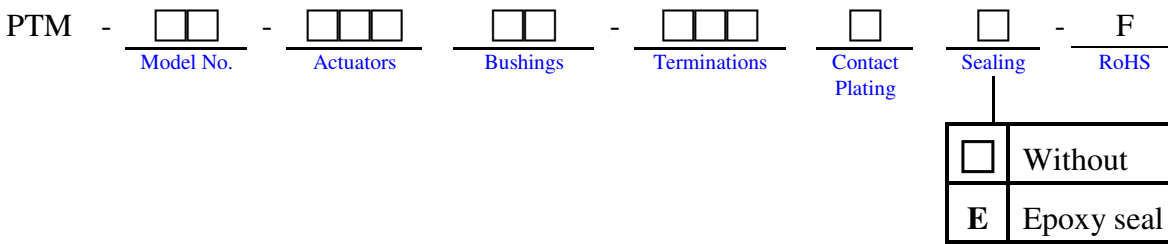
HOUSING: Stainless Steel.

SWITCH SUPPORT: Brass, tin plated.

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

models available, consult sales representatives.

PART NUMBERING SYSTEM

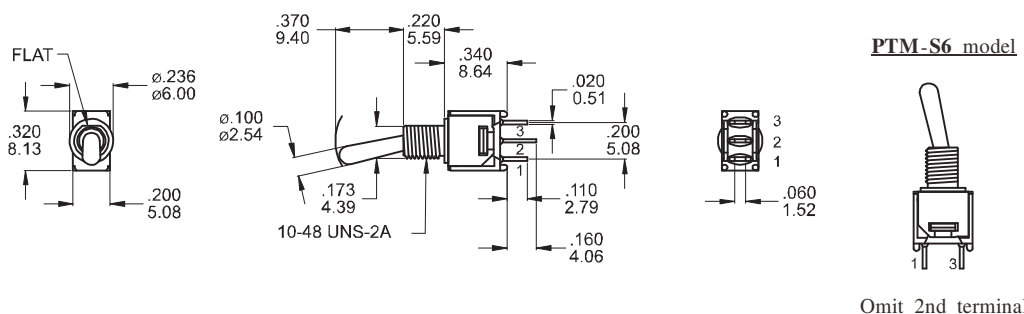


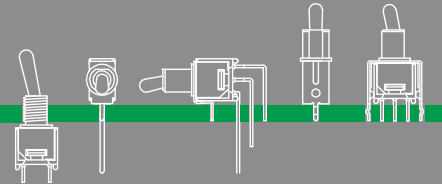
Model No./ Switching function () = Momentary Unit: Inch/ mm

SPST				SPDT				SPDT			
Model No.	Switching function			Model No.	Switching function			Model No.	Switching function		
S0	On	None	Off	S1	On	None	On	S2	On	Off	On
Connected terminals	2-3	N/A	Open	S3	On	None	(On)	S4	(On)	Off	(On)
Schematic								S5	On	Off	(On)
S6	Off	None	On	Connected terminals	2-3	N/A	2-1	Connected terminals	2-3	Open	2-1
Connected terminals	Open	N/A	3-1	Schematic				Schematic			
Schematic											

Part No. Shown: PTM-S□-T1B1-M1□E-F

SPST & SPDT





Bushings

Unit: Inch/ mm

B1 Threaded Std. B2 Unthreaded	B3 Threaded Std. B4 Unthreaded	B5 Threaded Std. B6 Unthreaded	B7 Threaded Std. B8 Unthreaded

Terminations & Sealing

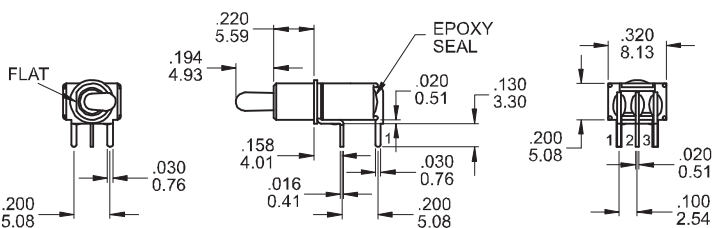
Unit: Inch/ mm

M1 <input type="checkbox"/> Solder, W/o epoxy seal M1 <input checked="" type="checkbox"/> Solder, With epoxy seal		M2 <input type="checkbox"/> PCB through hole, W/o epoxy seal M2 <input checked="" type="checkbox"/> PCB through hole, with epoxy seal	
<p>SPDT</p>	<p>DPDT</p>	<p>SPDT</p>	<p>DPDT</p>
<p>M51 <input type="checkbox"/> Wire wrap, W/o epoxy seal M51 <input checked="" type="checkbox"/> Wire wrap, With epoxy seal</p> <p>SPDT</p>	<p>DPDT</p>	<p>M52 <input type="checkbox"/> Wire wrap, W/o epoxy seal M52 <input checked="" type="checkbox"/> Wire wrap, With epoxy seal</p> <p>SPDT</p>	<p>DPDT</p>

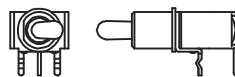
M6 Right angle P.C. Mount

Part No. Shown: PTM-S -T2B2-M6 E-F

SPDT

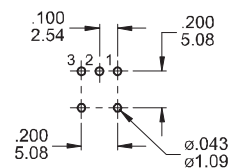


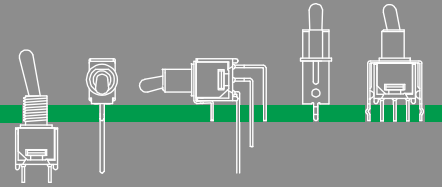
Options:



M6N Snap-in

P. C. B. Layout





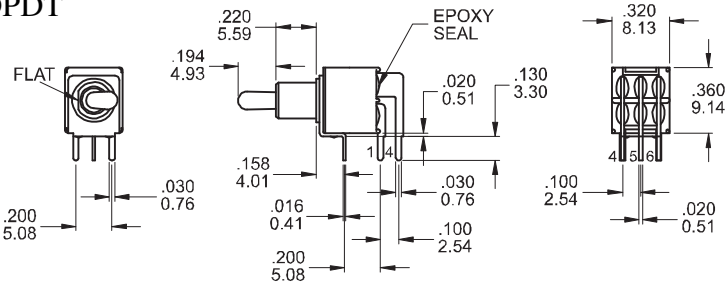
Terminations & Sealing

Unit: Inch/ mm

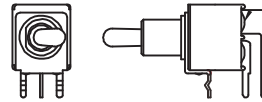
M6 Right angle P.C. Mount

Part No. Shown: PTM-D -T2B2-M6 E-F

DPDT

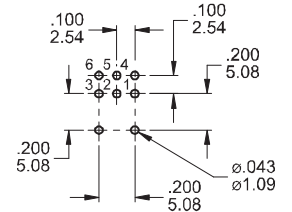


Options:



M6N Snap-in

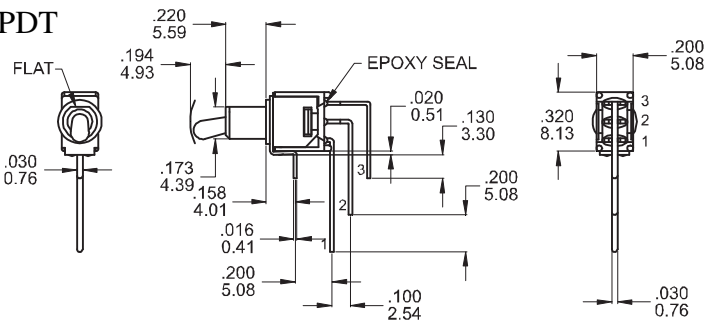
P. C. B. Layout



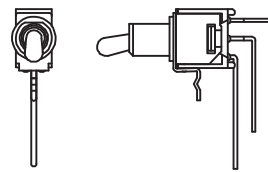
M7 Vertical right angle P.C. Mount

Part No. Shown: PTM-S -T2B2-M7 E-F

SPDT

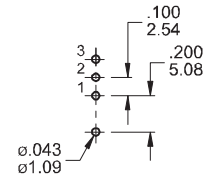


Options:



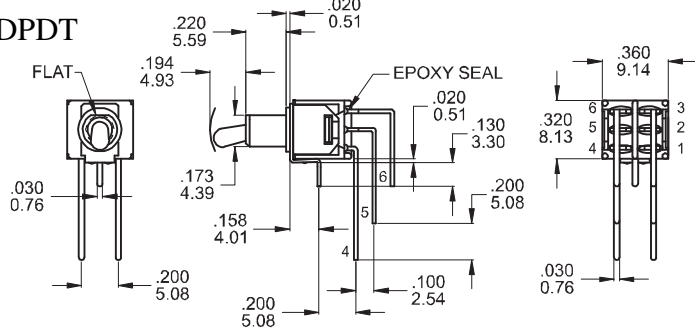
M7N Snap-in

P. C. B. Layout

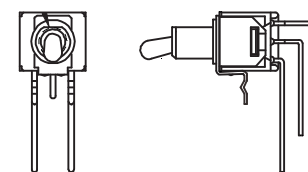


Part No. Shown: PTM-D -T2B2-M7 E-F

DPDT

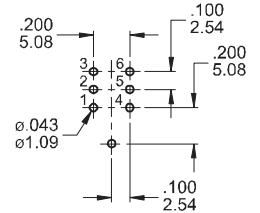


Options:



M7N Snap-in

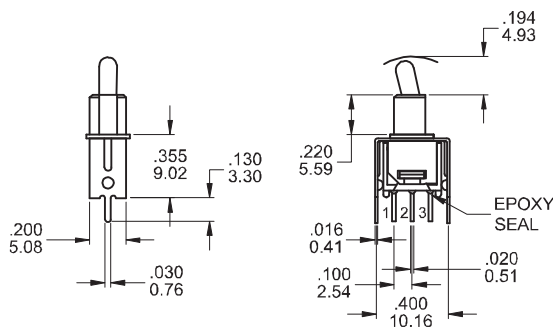
P. C. B. Layout



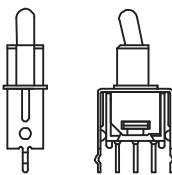
V Vertical bracket P.C. Mount

Part No. Shown: PTM-S -T2B2-V2 E-F

SPDT

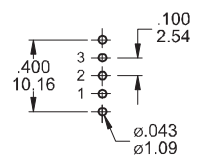


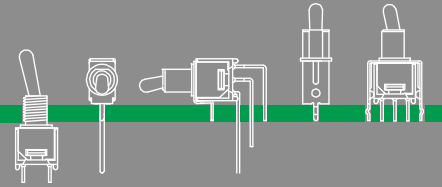
Options:



V2N Snap-in

P. C. B. Layout





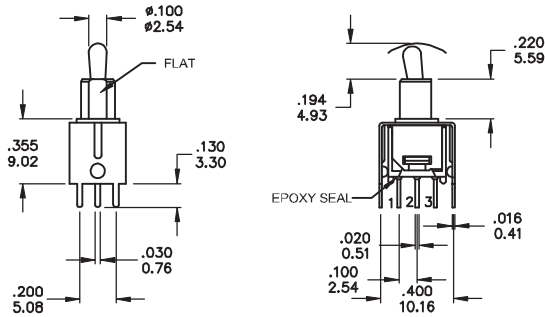
Terminations & Sealing

Unit: Inch/ mm

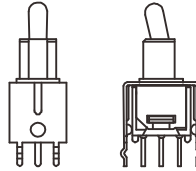
V Vertical bracket P.C. Mount

Part No. Shown: PTM-S-T2B2-V3-E-F

SPDT

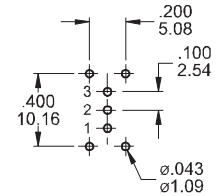


Options:



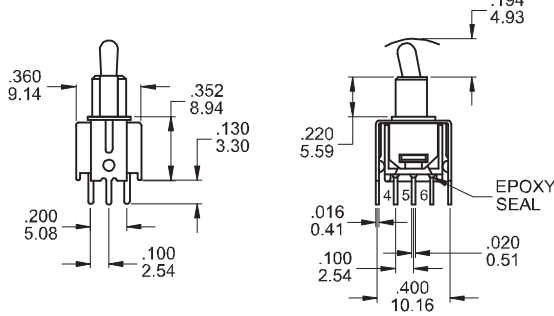
V3N Snap-in

P. C. B. Layout

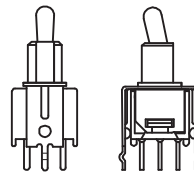


Part No. Shown: PTM-D-T2B2-V2-E-F

DPDT

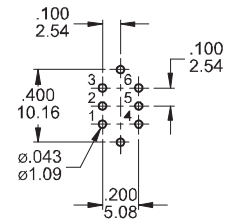


Options:



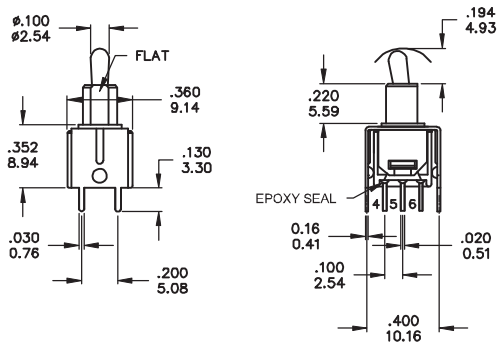
V2N Snap-in

P. C. B. Layout

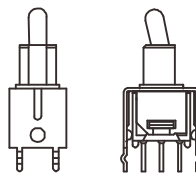


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DPDT

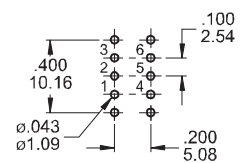


Options:



V3N Snap-in

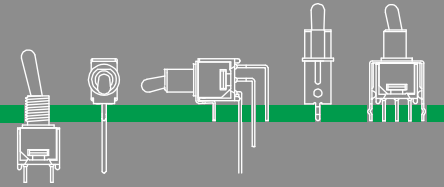
P. C. B. Layout



PANEL MOUNTING

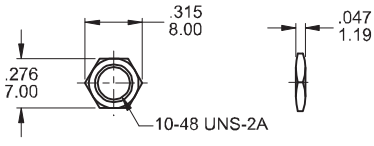
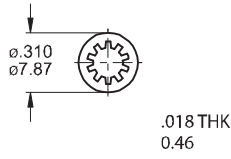
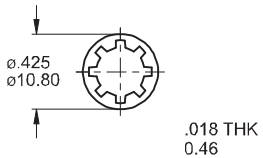
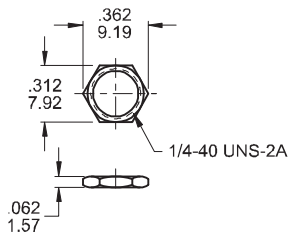
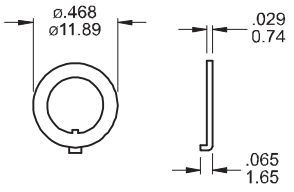
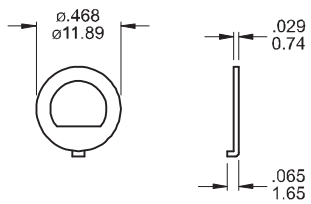
Unit: Inch/ mm

	10-48 BUSHING		1/4-IN. BUSHING	
	Keyway bushing	Flat bushing	Keyway bushing	Flat bushing
Without locking ring				
With standard locking ring				



HARDWARE

Unit: Inch/ mm

HW05 10-48 Nut	HW14 Locking washer	HW09 Locking washer
 <p>Supplied standard with B1, B3 bushing</p>	 <p>Supplied standard with B1, B3 bushing</p>	 <p>Supplied standard with B5, B7 bushing</p>
HW01 1/4 Nut	HW06 Locking ring	HW07 Locking ring
 <p>Supplied standard with B5, B7 bushing</p>	 <p>Supplied standard with B7 bushing</p>	 <p>Supplied standard with B5 bushing</p>

Contact Plating & Ratings

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

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).