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.

DEGREE OF PROTECTION: IP67

MATERIALS

CASE & BUSHING: Glass filled nylon 6/6,flame retardant, heat stabilized (UL94v-0).

ACTUATOR: Brass, chrome plated, internal O-ring seal. Standard for all actuators.

SWITCH SUPPORT: Brass, tin plated.

CONTACT / TERMINAL: Copper alloy with Silver or gold plated. See **Contact Plating & Ratings.**

PART NUMBERING SYSTEM

Open

terminals

Schematic

SPST & SPDT

N/A

3-1

3 1

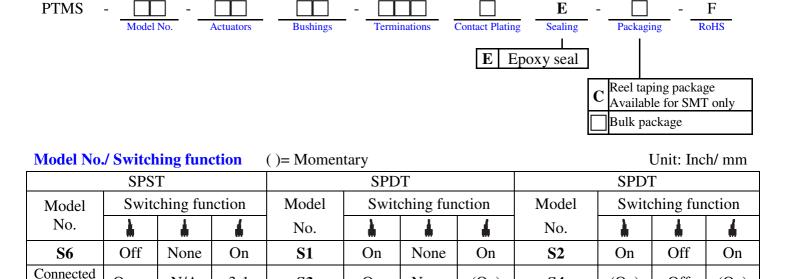
S3

Connected

terminals

Schematic

_



On

2-3

2 Comm

.

None

N/A

(On)

2-1

2 Comm.

~•

S4

S5

Connected

terminals

Schematic

(On)

On

2-3

2 Comm.

%

Off

Off

Open

(On)

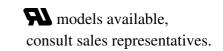
(On)

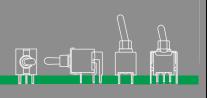
2 - 1

Comm

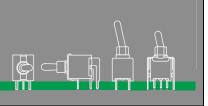
ℯ

P. C. B. Layout Part No. Shown: PTMS-S -T1B1-M2 E-F PTMS-S6 model EPOXY 200 SEAL 5.08 10.16 100 .020 0.51 ø.043 .030 .533 13.54 Omit 2nd terminal







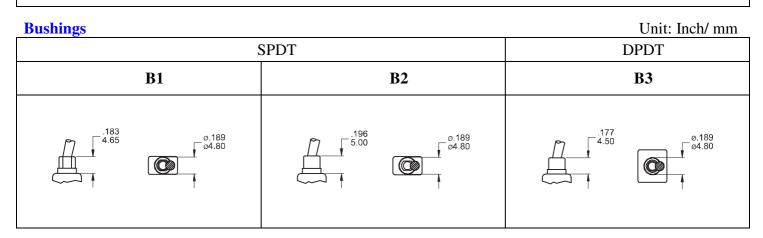


Model No./ Switching function()= MomentaryUnit: Inch/mm							
DPDT				DPDT			
Model No.	Switching function			Model	Switching function		
				No.	À		
D1	On	None	On	D2	On	Off	On
D3	On	None	(On)				
Connected terminals	2-3,5-6	N/A	2-1,5-4	Connected terminals	2-3,5-6	Open	2-1,5-4
Schematic	2 Comm, 5		$\begin{array}{c} 2 \text{ Comm}, 5 \\ \bullet & \bullet \\ 1 & \bullet \\ 1 & 3 & 4 & 6 \end{array}$	Schematic	2 Comm. 5 1 3 4 6		2 Comm. 5 9 9 1 3 4 6
Part No. Shown: PTMS-D□-T1B3-M2□E-F DPDT $\underbrace{\begin{array}{c} 0.189\\ 0.100\\ 0.254\\ 0.043\\ 0.109\end{array}}_{0.043} \underbrace{\begin{array}{c} 0.100\\ 0.254\\ 0.043\\ 0.109\end{array}}_{0.100} \underbrace{\begin{array}{c} 0.100\\ 0.254\\ 0.043\\ 0.109\end{array}}_{0.043} \underbrace{\begin{array}{c} 0.00\\ 0.043\\ 0.043\\ 0.09\end{array}}_{0.043} \underbrace{\begin{array}{c} 0.00\\ 0.043\\ 0.043\\ 0.09\end{array}}_{0.043} \underbrace{\begin{array}{c} 0.00\\ 0.043\\ 0.043\\ 0.09\end{array}}_{0.043} \underbrace{\begin{array}{c} 0.00\\ 0.043\\ 0.09\end{array}}_{0.09} \underbrace{\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\end{array}}_{0.09} \underbrace{\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\end{array}}_{0.09} \underbrace{\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\end{array}}_{0.09} \underbrace{\begin{array}{c} 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\end{array}}_{0.09} \underbrace{\begin{array}{c} 0.00\\ 0.00$							

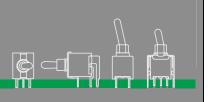
Actuators

Unit: Inch/ mm **T5 T6 T1 T2 T3 T4** Plastic actuator Plastic actuator ø.100 ø2.54 ø.100 ø2.54 ø.100 ø2.54 ø.100 ø2.54 ø.100 ø2.54 ø.100 ø2.54 1 .550 13.97 .400 10.16 .400 10.16 .320 8.13 .240 6.10 .240 6.10 ł 4

Actuator shown with B1 Bushing, sub .020 (0.50) for B2 Bushing.

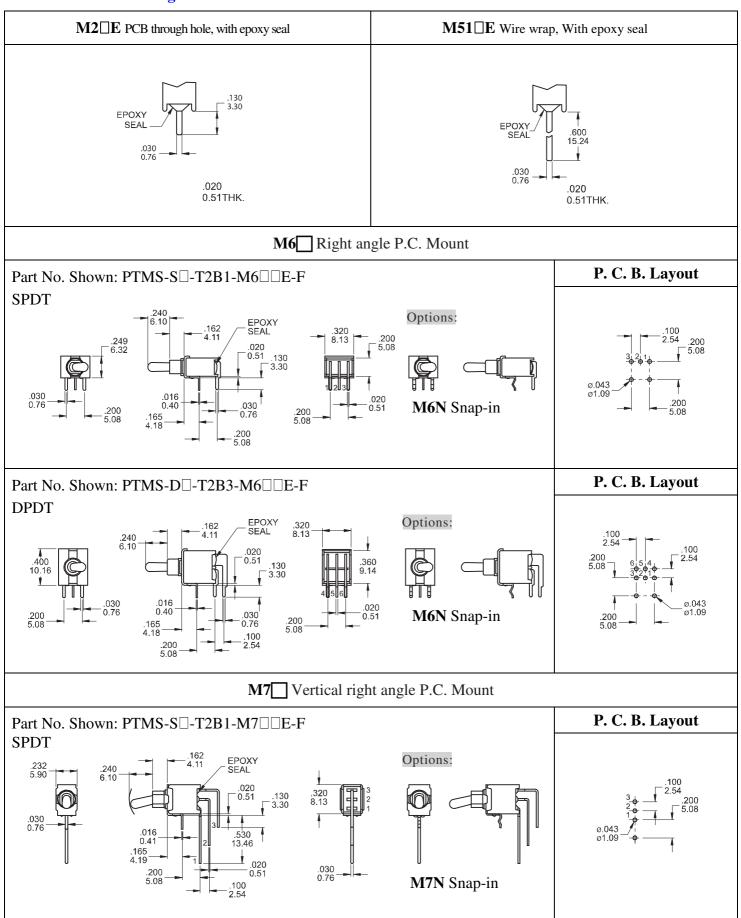




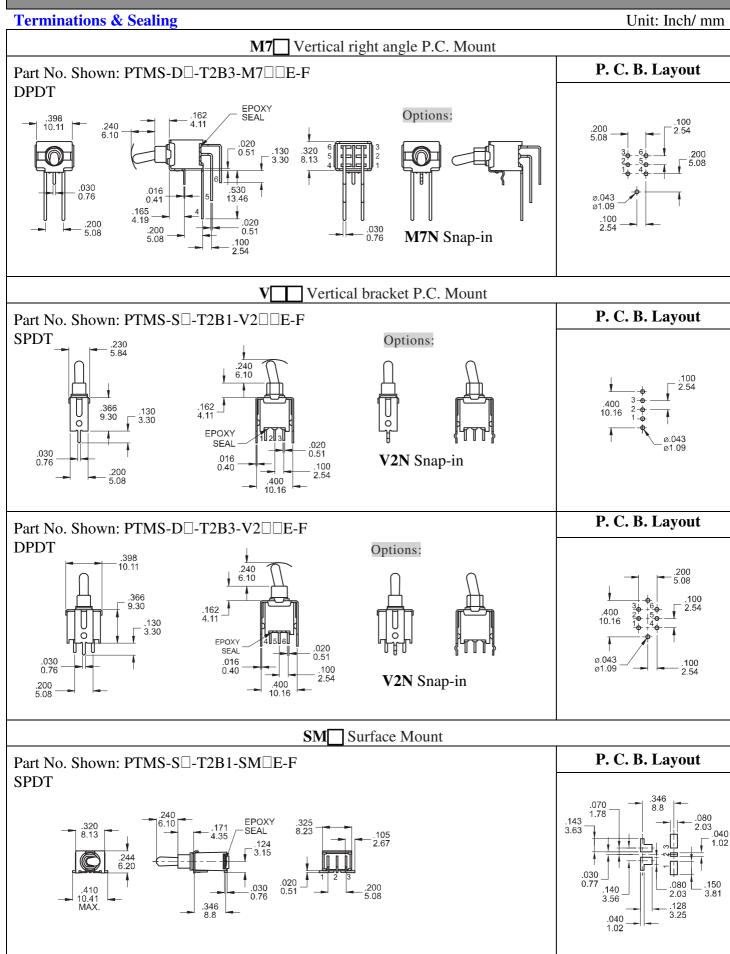


Terminations & Sealing

Unit: Inch/ mm







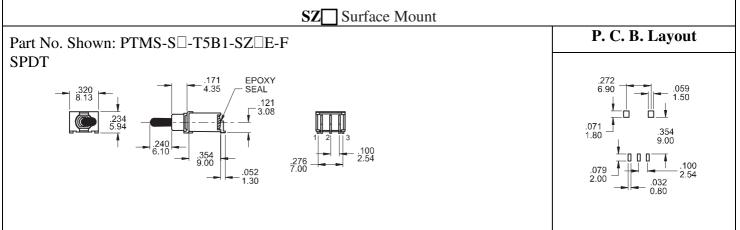
Specifications and dimensions subject to change.



Terminations & Sealing

Unit: Inch/ mm

Unit: Inch/mm

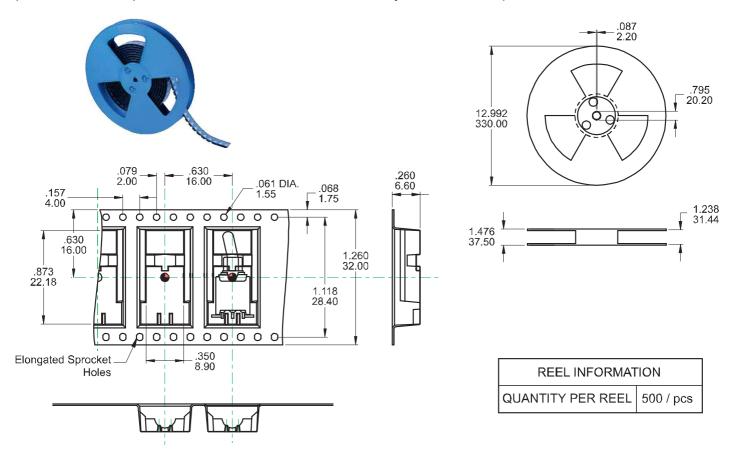


Contact Plating & Ratings

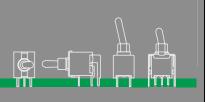
Option code	Contact plating	Terminal plating	Ratings
G	Gold	Gold	0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)
S	Silver	Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC
Α	Gold over silver	Gold over silver	1 Amps with resistant load @ 250VAC

Packaging for Surface Mount(SM\SZ) type only

Switches available on embossed antistatic tape and reels. Tape and cover strip are conductive for use near statically sensitive components.







SOLDERING PROCESSES(For PC Mount type)

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).

SOLDERING PROCESSES(For Surface Mount type)

Recommended Soldering Temperature: $260 \pm 5^{\circ}C$

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

SOLDERING: Vapor phase & IR-reflow soldering can be applied.

