Toggle Switches Sub-Miniature







Specifications

Contact Rating : Dependent upon content material Mechanical Life : 30,000 make and break cycles

Maximum Contact Resistance : $20m\Omega$ initial at 2-4 V DC 100mA for both

silver and gold plated contacts

 $\mbox{Minimum insulation Resistance} \qquad : \mbox{1,000M}\Omega.$

Dielectric strength : 1,000V rms at sea level

Operating Temperature : -30°C to +85°C

Materials:

Case : Diallyl phthalate (DAP).
Actuator : Brass, chrome plated.
Bushing : Brass, nickel plated.
Housing : Stainless steel.
Switch Support : Brass, tin plated.
Terminal / Contact : Silver or gold plated.

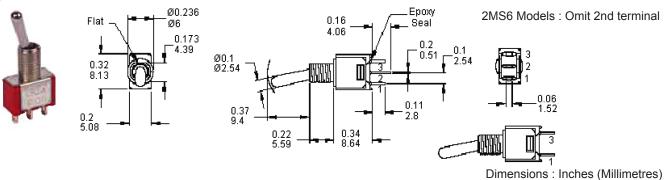
Switch Function

Number of Poles	UL / CSA Model Number	Model Number	Switch Function			Connected Terminals / Schematic		
			Position 1	Position 2	Position 3	Position 1	Position 2	Position 3
			À		4	1	•	•
SP	Q2211	2MS1	On	None	ON	2 to 3	N/A	2 to 1
	Q2212	2MS2			MOM			
	Q2213	2MS3		Off		2 (Comm) 1• 3	Open	2 (Comm) 1• 3
DP	Q2221	2MD1	On	None	ON	2 to 3, 5 to 6	N/A	2 to 1, 5 to 4
	Q2223	2MD3		Off		1• 3 4• 6	Open	1 -3 4 -6

MOM = Momentary

Pole Options

SPDT

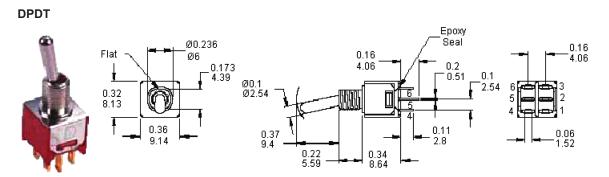


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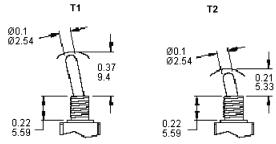


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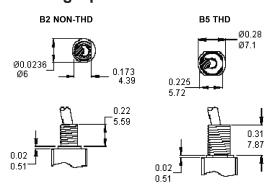


Actuator Options

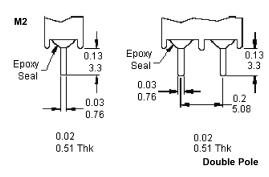


T1, T2, Actuator shown with B2 bushing, subtract 0.09 (2.29) for B5 bushing, subtract 0.04 (1.02) for B5 bushing, add 0.09 (2.29) Std for M2 terminal sub 0.016 (0.04) for M2 terminals sub. 016 (0.04) for M6

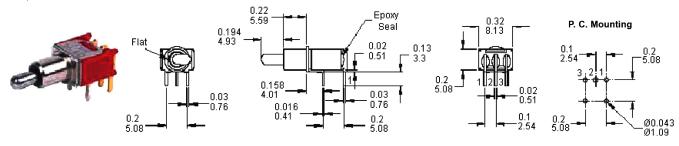
Bushing Options



Termination Options



M6, SPDT



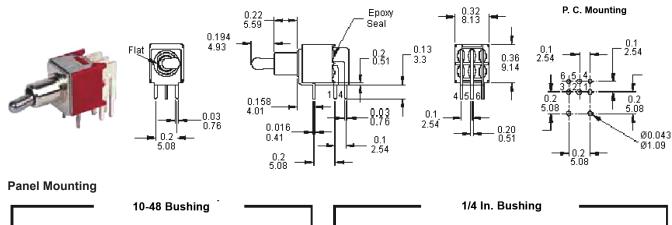
Dimensions: Inches (Millimetres)

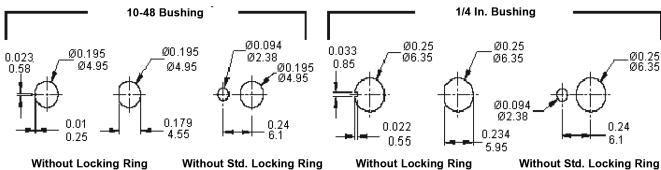
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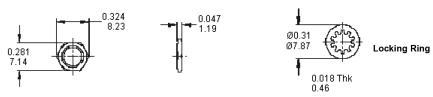






Hardware

M6, DPDT



Dimensions: Inches (Millimetres)

Contact Material Options

	Contact Plating	Terminal Plating	Ratings
R	Gold	R = Gold	0.4 Volt - Amperes (VA) maximum at 20V maximum (AC or DC)

Soldering Process

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

Wave Soldering : Recommended soldering temperature : 260 ±5°C.

: Duration of solder immersion : Maximum 5 s (PCB is 1.6 mm in thickness).

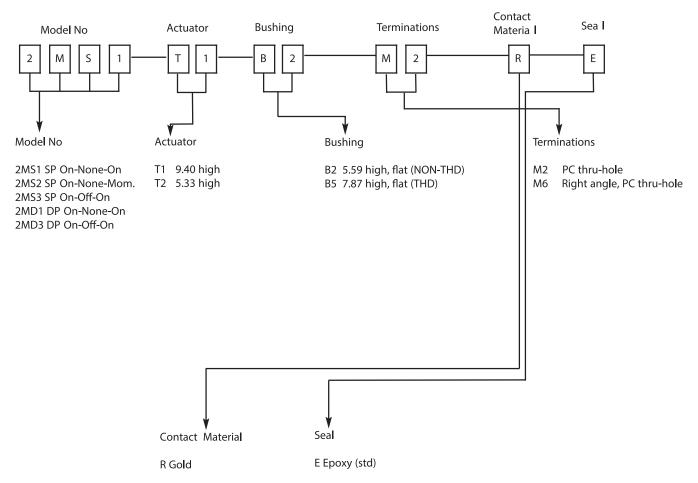
Soldering : Vapour phase

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Part Number Explanation



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