Toggle Switches

Miniature



RoHS

Compliant



Specifications:

Contact Rating : Dependent upon content material Mechanical life : 40,000 make and break cycles

Maximum contact resistance : 10 m Ω : 2 to 4 V dc Initial voltage

Current : 10 mA for both silver and gold plated contacts Minimum Insulation Resistance : 1,000 M Ω

Dielectric Strength : 1,000 V rms at sea level

Operating Temperature : -30°C to 85°C

Materials:

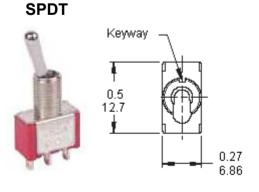
Case : Diallyl phthalate (DAP) (UL 94V-0)

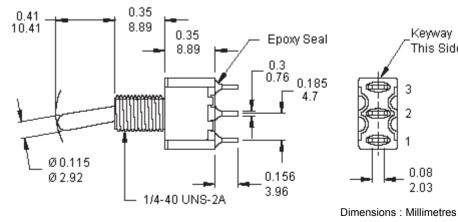
Actuator : Brass, chrome plated Bushing : Brass, nickel plated Housing : Stainless steel Switch Support : Brass, tin plated Terminal / Contact : Silver or gold plated

Switch Function

Number of Poles	UL / CSA Model Numbers	Model Number	Switch Function			Connected Terminals / Schematic		
			Position 1	Position 2	Position 3	Position 1	Position 2	Position 3
			À		*	1	À	4
SP	Q1112	1MS2	On	None	МОМ	2 to 3 2 (Comm) 1• 3	N/A	2 to 1 2 (Comm) 1 • 3
DP	Q1122	1MD1	On	None	ON	2 to 3, 5 to 6	N/A	2 to 1, 5 to 4

Pole Options





multicomp

Keyway

0.08

2.03

This Side

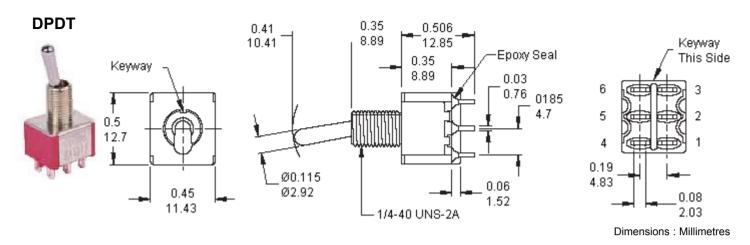




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Soldering Process:

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

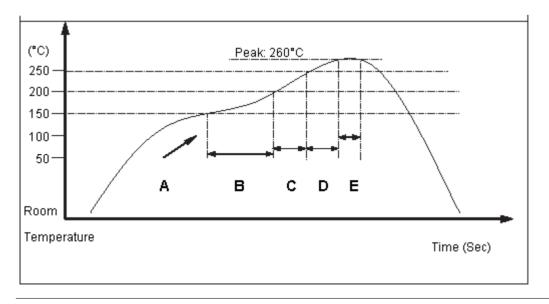
Wave soldering : Recommended soldering temperature : 260 ±5°C

: Duration of solder immersion : 5 ±1 seconds (PCB is 1.6 mm in thickness)

Soldering: Vapour Phase

Temperature Profile

Zone	Room Temperature	Time (seconds)
Pre-heat (A)	150°C	Minimum 120 seconds
Soak (B)	180°C to 200°C	Minimum 150 seconds
Peak (C)	200°C to 235°C	Minimum 30 seconds
Peak (D)	235°C to 260°C	Minimum 40 seconds
Peak (E)	260°C	Maximum 10 seconds



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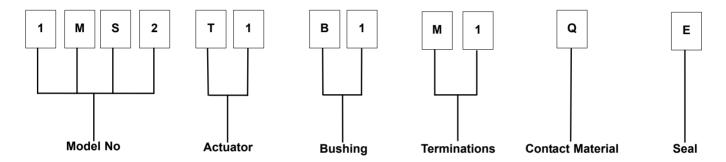
Miniature



Part Number Table

Description	Part Number		
Switch, SPDT	1MS2T1B1M1QE		
Switch, SPDT	1MS2T1B1M1RE		
Switch, DPDT	1MD1T1B1M1QE		

Part Number Explanation



Model No : 1MS2 = SP On-None-Mom, 1MD1 = DP On-None-On

Actuator : T1 = 10.41 high

Bushing : B1 = 8.89 high, keyway (thd std)

Terminations : M1 = Solder Lug
Contact Material : Q = Silver, R = Gold
Seal : E = Epoxy (std)

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