

PCB, Miniature Slide Switches

SPECIFICATIONS

CONTACT RESISTANCE: 50mΩmax. initial .

MECHANICAL LIFE: 20,000 cycles.

INSULATION RESISTANCE: 1,000 MΩ min.

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

OPERATING TEMPERATURE: -40°C to 80°C.

MATERIALS

CASE: PBT,white.

ACTUATOR: PBT,black .

HOUSING: POM,black .

CONTACT/TERMINALS: Copper alloy,with silver or gold plated .

(See Page 95)



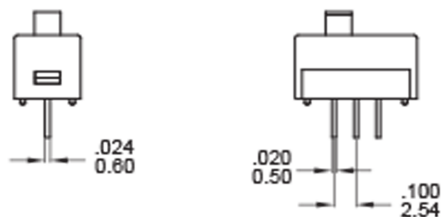
HOW TO ORDER

MODEL NO.	ACTUATOR	ACTUATOR COLOR	TERMINATIONS	TERMINAL PLATING	SEAL	RoHS SOLDERING
Model NO. 6MS1 SP On-None-On 6MS3 SP On-Off-On 6MD1 DP On-None-On 6MD3 DP On-Off-On	Actuator S1 Flush S2 2.80 high S3 Slide S4 6.00 high S5 Slide	Actuator color 02 black(std)	Terminations M1 SPDT - PC thru-hole M2 DPDT - PC thru-hole M3 SPDT - PC thru-hole M4 DTD - PC thru-hole	Terminal plating Q Silver R Gold G Gold,pure-tin S Silver,pure-tin C Gold over silver K Gold over silver,pure-tin	E Seal E EPOXY (std)	RoHS soldering ☐ RoHS Compliant S RoHS & Lead Free

TERMINAL OPTIONS

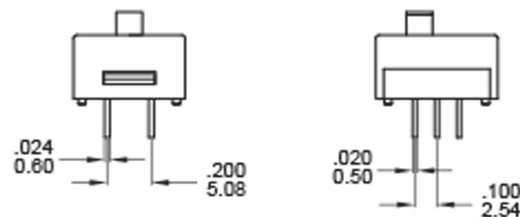
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M1



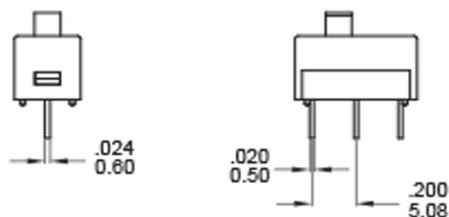
SPDT

M2



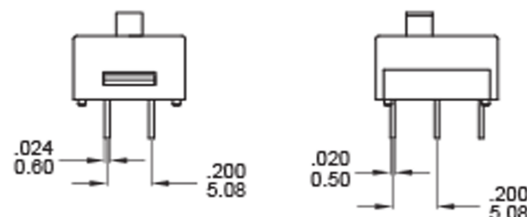
DPDT

M3



SPDT

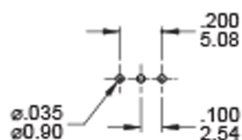
M4



DPDT

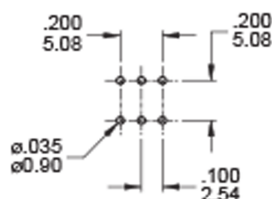
P.C.B MOUNTING

M1



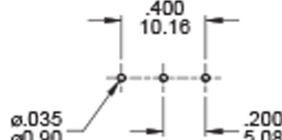
SPDT

M2



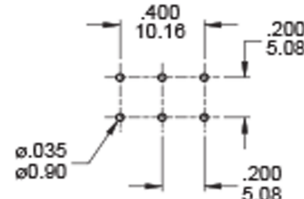
DPDT

M3



SPDT

M4



DPDT

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
S		S = Silver, pure - tin	
C	Gold over Silver	C = Gold over silver	
K		K = Gold over silver, pure - tin	
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)
G		G = Gold, pure - tin	

SOLDERING PROCESSES

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

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



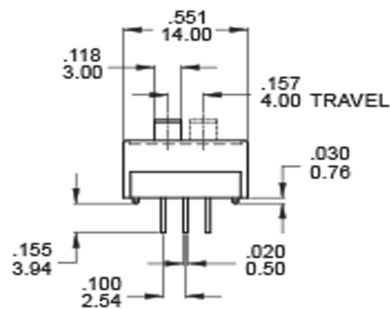
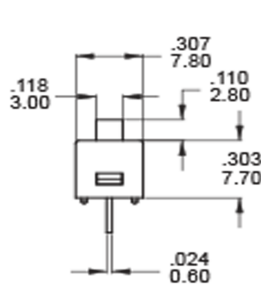
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SWITCH FUNCTION

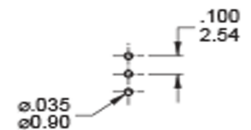
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	6MS1	ON	NONE	ON	2-1	OPEN	2-3
	6MS3	ON	OFF	ON	1-2 (COMM) 1-3		1-2 (COMM) 1-3
DP	6MD1	ON	NONE	ON	2-1,5-4	OPEN	2-3,5-6
	6MD3	ON	OFF	ON	1-2 (COMM) 1-3 4-5 4-6		1-2 (COMM) 1-3 4-5 4-6

POLE OPTIONS

SPDT

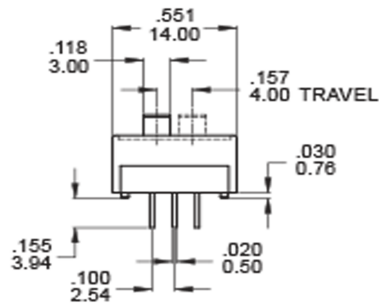
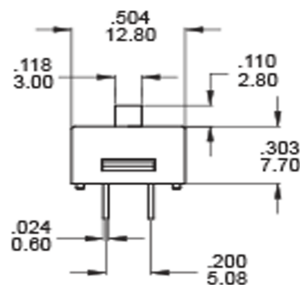


P.C. MOUNTING

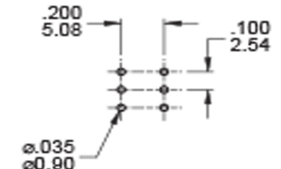


Part No. Shown : 6MS1S202M1QE

DPDT



P.C. MOUNTING



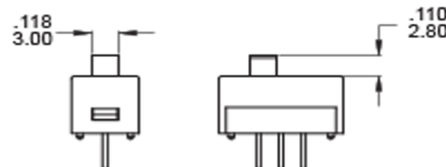
Part No. Shown : 6MD1S202M2QE

ACTUATOR OPTIONS

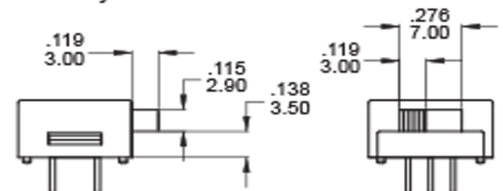
S1



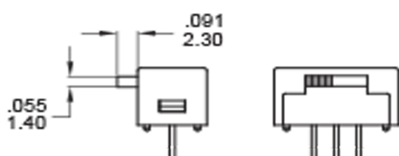
S2



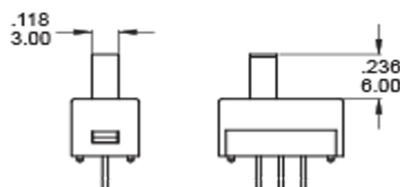
S5 Only DPDT



S3



S4



S6

