**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 97)**HOW TO ORDER**

MODEL NO.	ACTUATOR	TERMINATIONS	CONTACT MATERIAL	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	TERMINATIONS M1 SPDT - PC thru-hole M2 DPDT - PC thru-hole M3 SPDT - PC thru-hole M4 DTD - PC thru-hole	CONTACT MATERIAL 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 F Halogen Free+RoHS



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) 3		1 2 (COMM) 3
DP	6MD1	ON	NONE	ON	2-1,5-4	OPEN	2-3,5-6
	6MD3	ON	OFF	ON	1 2 (COMM) 3 4 5 6		1 2 (COMM) 3 4 5 6

MOM=MOMENTARY

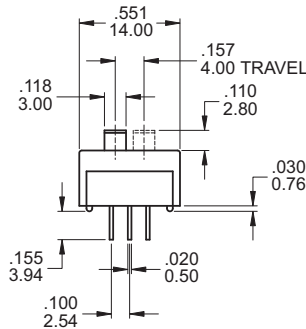
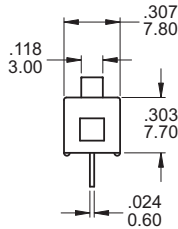
POLE OPTIONS

6M
Slide Switches

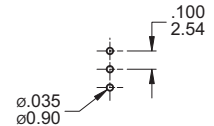


SPDT

Part No. Shown : 6MS1S2M1QE

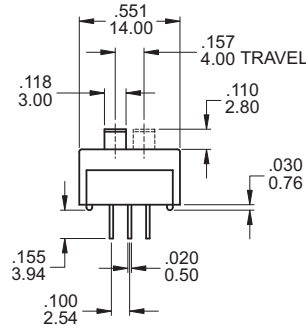
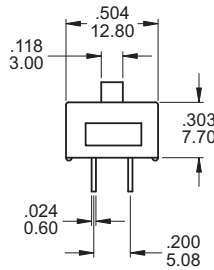


P.C. MOUNTING

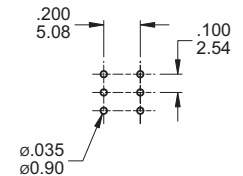


DPDT

Part No. Shown : 6MD1S2M1QE

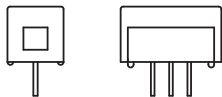


P.C. MOUNTING

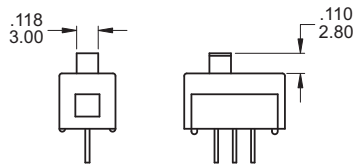


ACTUATOR OPTIONS

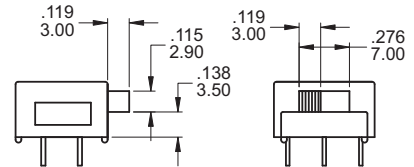
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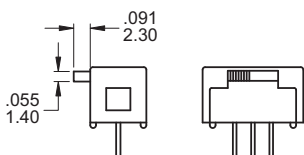
S2



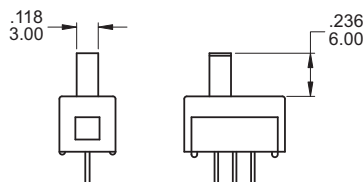
S5 ONLY DPDT



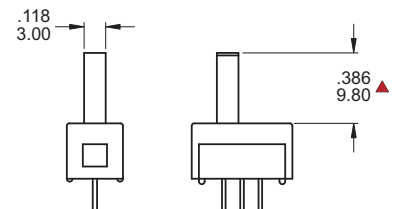
S3

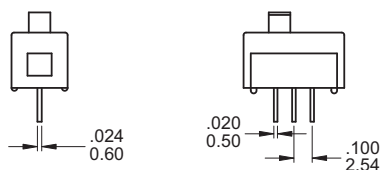
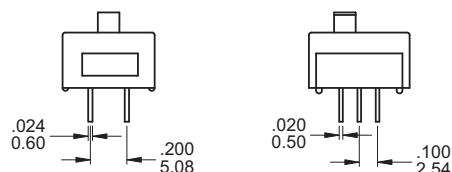
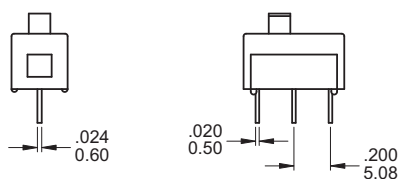
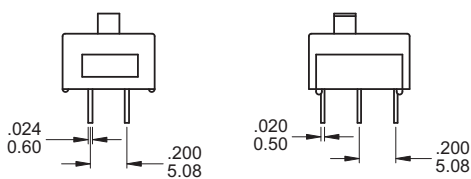
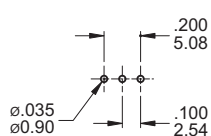
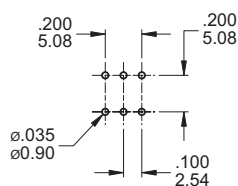
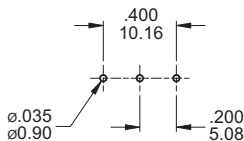
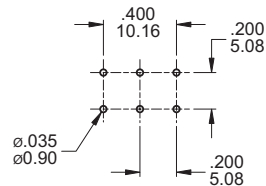


S4



S6



TERMINATION OPTIONS**M1****SPDT****M2****DPDT****M3****SPDT****M4****DPDT****P.C. 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)

SOLDERING : Vapor phase