

6M Series

Miniature Slide Switches for P.C. Board



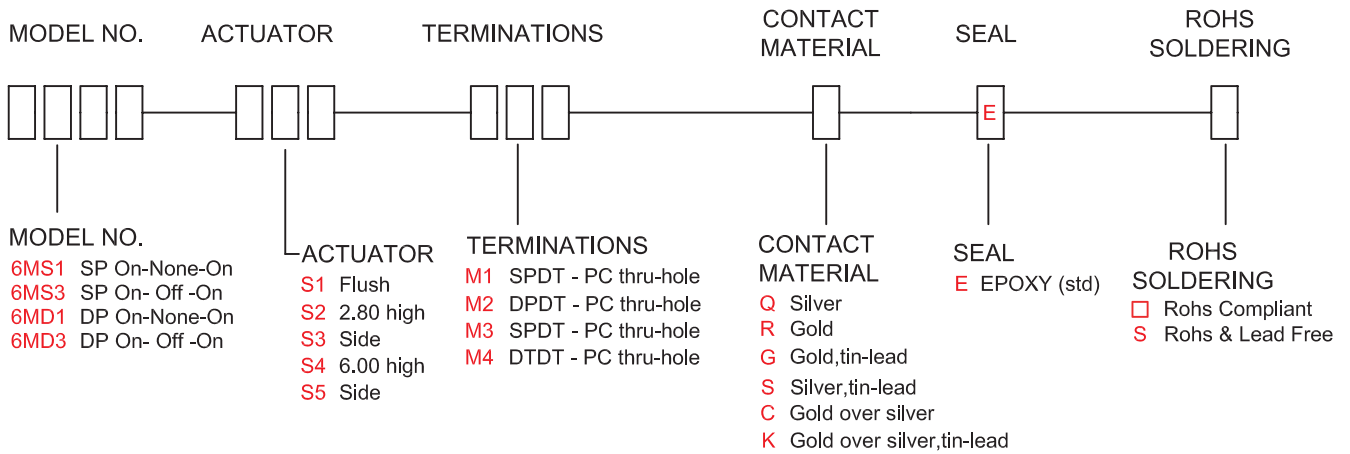
SPECIFICATIONS

CONTACT RATING: Dependent upon contact material.
CONTACT RESISTANCE: 50mΩ max. initial .
MECHANICAL LIFE: 20,000 Cycles.
INSULATION RESISTANCE: 1,000MΩ min.
DIELECTRIC STRENGTH: 1,000 V RMS@sea level.
OPERATING TEMPERATURE: -40° C to 80° C.
MINIMUM LOAD: Silver: 100mA 10VDC ;Gold :10mA 50mV.
BREAKING CAPACITY: Silver: 1A 250VAC;Gold 100mA 30VDC;
 With Resistive Load.

MATERIALS

CASE - Nylon , white.
HOUSING - Nylon , black.
ACTUATOR - Nylon , black.
CONTACTS/TERMINALS- Copper alloy, with silver or gold plated.
 (See Page 102)

HOW TO ORDER



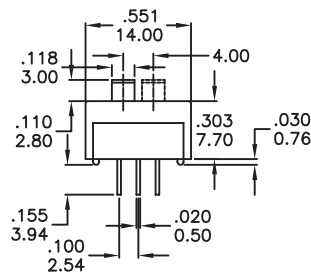
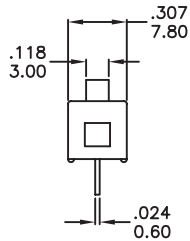
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SWITCH FUNCTION

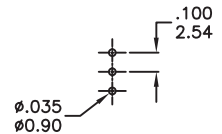
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3	
SP	6MS1	ON	NONE	ON	2-1	OPEN	2-3	
	6MS3	ON	OFF	ON				
DP	6MD1	ON	NONE	ON	2-1,5-4	OPEN	2-3,5-6	
	6MD3	ON	OFF	ON				

MOM=MOMENTARY

POLE OPTIONS

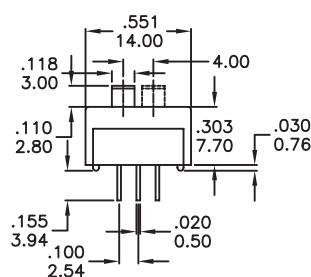
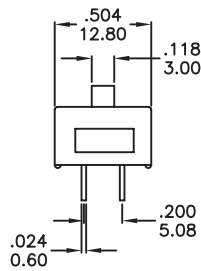


P.C MOUNTING

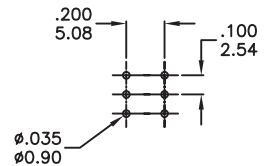


SPDT

Part No. Shown : 6MS1S2M1QE



P.C MOUNTING



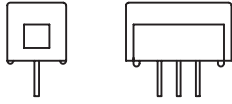
DPDT

Part No. Shown : 6MD1S2M2QE

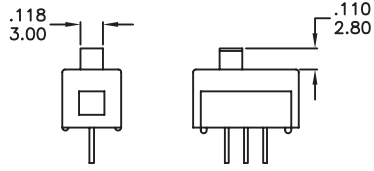
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ACTUATOR OPTIONS

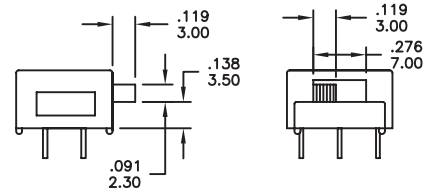
S1



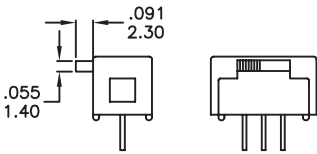
S2



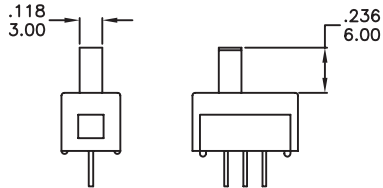
S5 ONLY DPDT



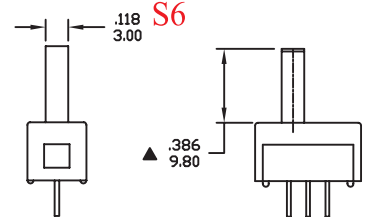
S3



S4

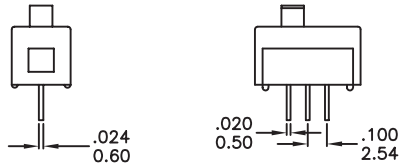


S6

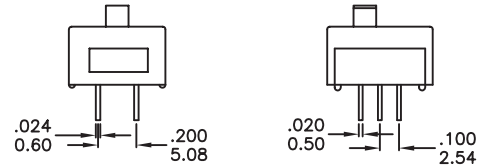


TERMINATION OPTIONS

M1



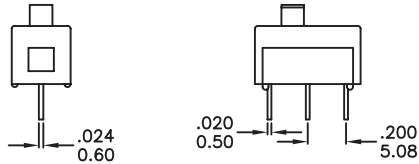
M2



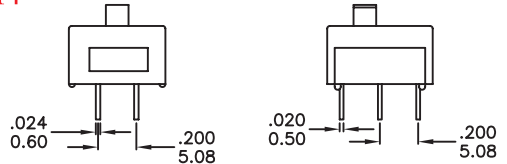
SPDT

DPDT

M3



M4

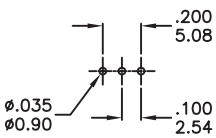


SPDT

DPDT

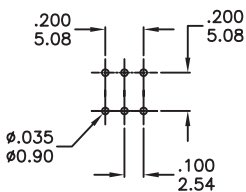
P.C. MOUNTING

M1



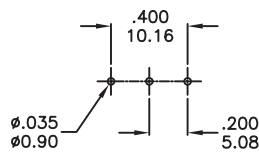
SPDT

M2



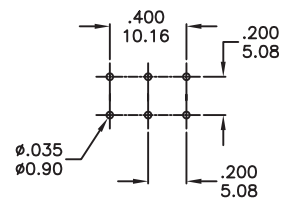
DPDT

M3



SPDT

M4



DPDT

CONTACT MATERIAL OPTIONS

	CONTACT MATERIAL	TERMINATION RATING	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	



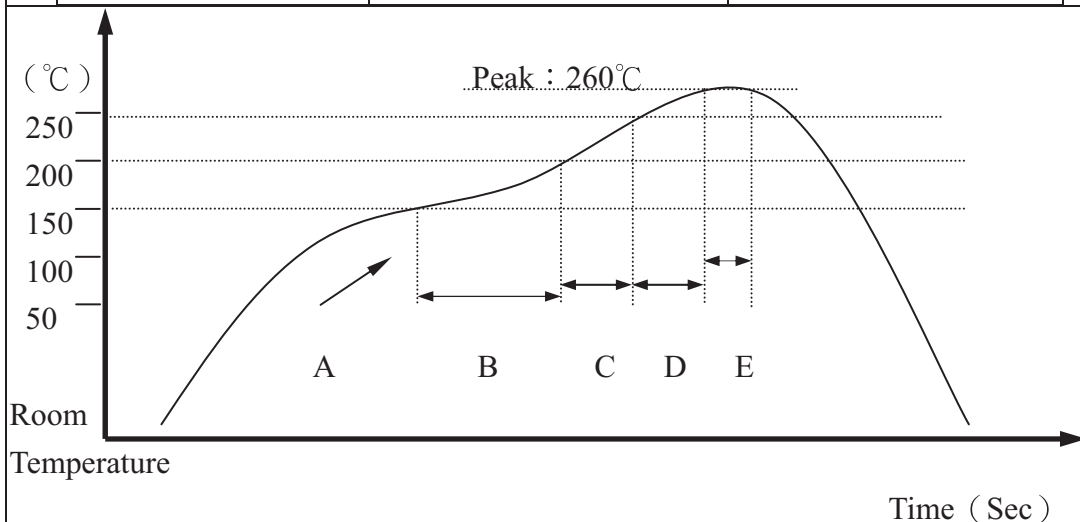
SOLDERING PROCESSES

WAVE SOLDERING : Recommended Soldering Temperature:260±5°C
Duration of Solder Immersion: 5 ±1 seconds
(PCB is 1.6mm in thickness)

SOLDERING : Vapor phase

Temperature Profile

Zone	Room temperature	Time (Sec)
Pre-heat (A)	150°C	Min 120s
Soak (B)	180°C~200°C	Min 150s
Peak (C)	200°C~235°C	Min 30s
Peak (D)	235°C~260°C	Min 40s
Peak (E)	260°C	Max 10s



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