

# 6M Series

Miniature Slide Switches for P.C. Board



### 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 .

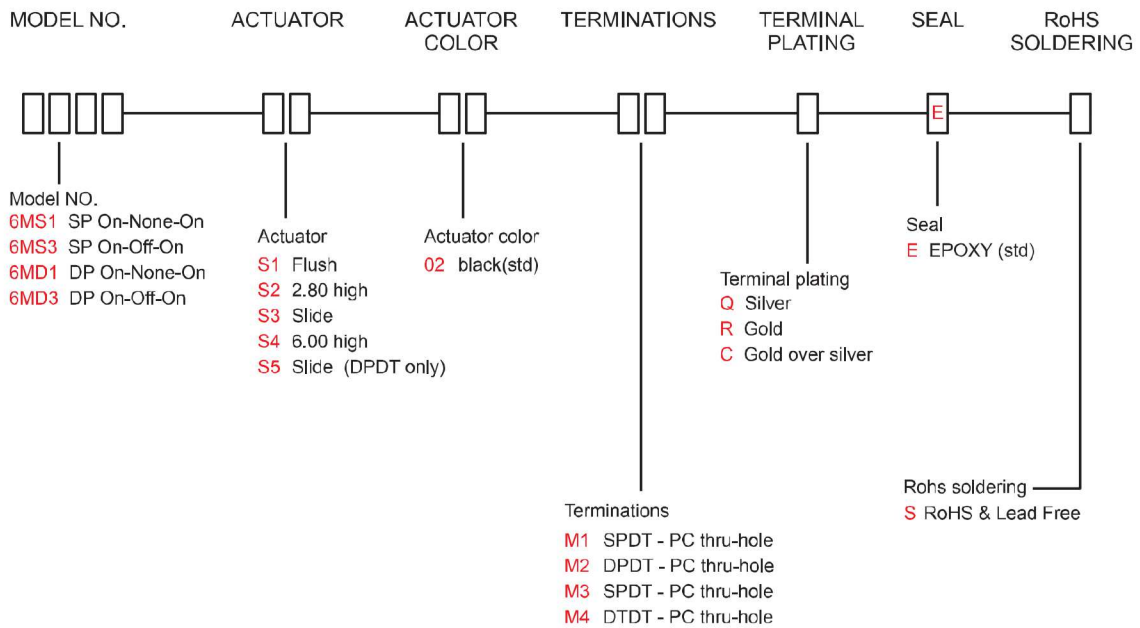
**HOUSING:** POM,black .

**CONTACT/TERMINALS:** Copper alloy,with silver or gold plated .  
(See Page 95)



**6M**  
Slide Switches

## 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			

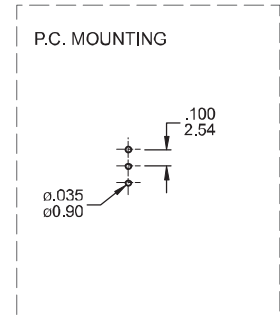
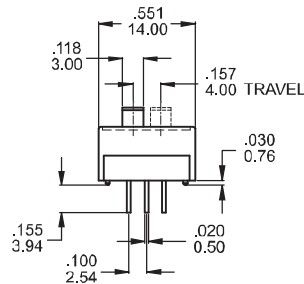
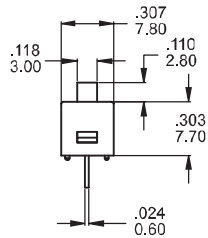
## POLE OPTIONS

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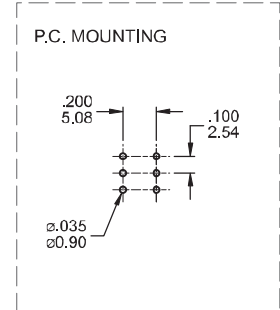
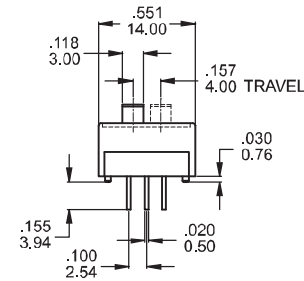
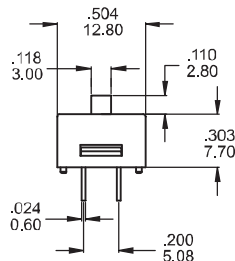
SPDT

Part No. Shown : 6MS1S202M1QES



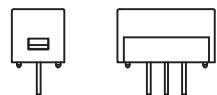
DPDT

Part No. Shown : 6MD1S202M2QES

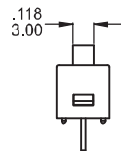


## ACTUATOR OPTIONS

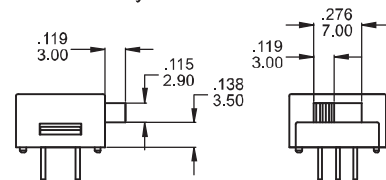
S1



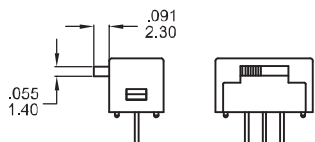
S2



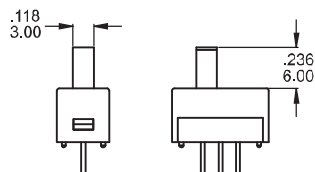
S5 DPDT only



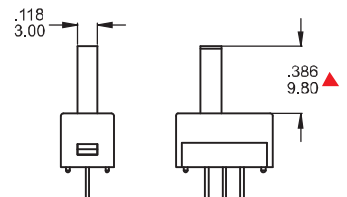
S3



S4



S6

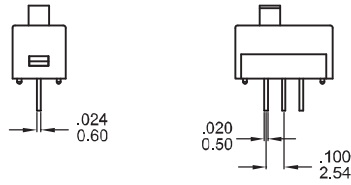


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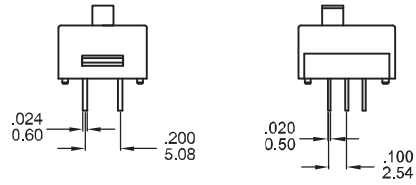
## TERMINAL OPTIONS

M1



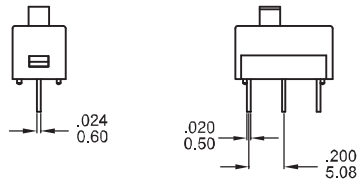
SPDT

M2



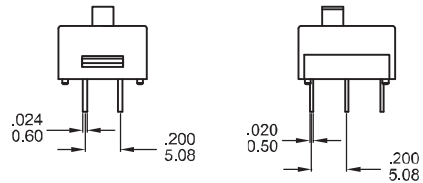
DPDT

M3



SPDT

M4



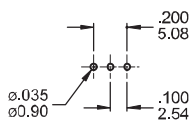
DPDT



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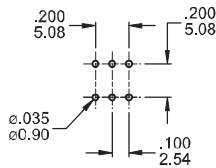
## P.C.B MOUNTING

M1



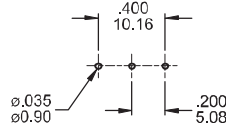
SPDT

M2



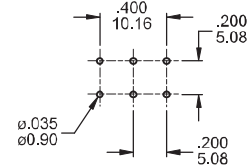
DPDT

M3



SPDT

M4



DPDT

## CONTACT MATERIAL OPTIONS

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

## 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)