

## SPECIFICATIONS

**CONTACT RATING:** Dependent upon contact material See Page 85.

**MECHANICAL LIFE:** 30,000 make-and-break cycles.

**CONTACT RESISTANCE:** 10 mΩ max. initial @ 2-4VDC  
100mA for both silver and gold plated contacts.

**INSULATION RESISTANCE:** 1,000 MΩ min.

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

**OPERATING TEMPERATURE:** -40°C to 85°C.

## MATERIALS

**CASE:** Diallyl phthalate (DAP) (UL94v-0).

**HOUSING:** Stainless Steel.

**ACTUATOR:** Nylon, black std.

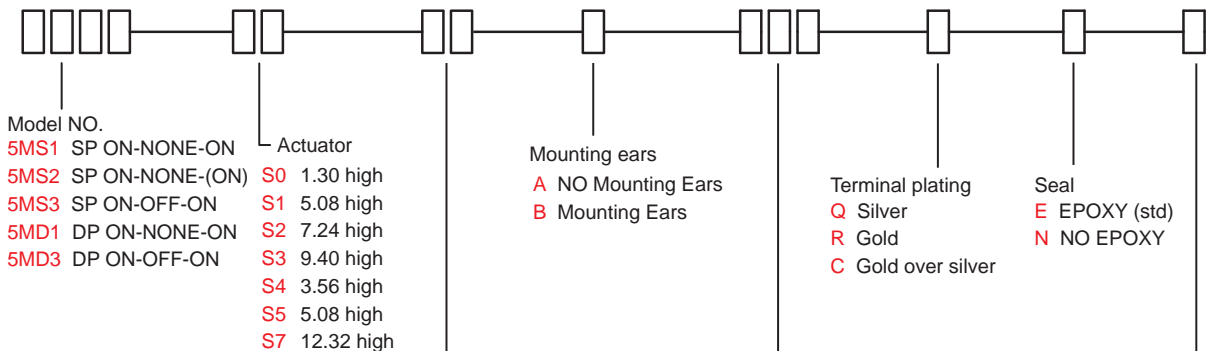
**CONTACT/TERMINALS:** Copper alloy, with silver or gold plated.

**TERMINAL SEAL:** Epoxy.



## HOW TO ORDER

MODEL NO.    ACTUATOR    ACTUATOR COLOR    MOUNTING EARS    TERMINATIONS    TERMINAL PLATING    SEAL    RoHS SOLDERING



Actuator color

ITEM NO	COLOR
01	White
02	Black (Std)
03	Red
04	Orange
05	Yellow
06	Green
07	Blue
08	Brown
09	Gray

\* Besides standard color, other colors need to check stocks available.

Terminations

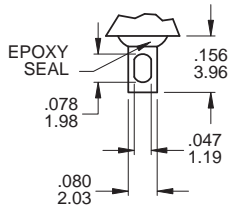
- M1** Solder Lug
- M2** PC thru-hole
- M3** Quick Connect
- M51** 18.70 high, wire wrap
- M52** 24.20 high, wire wrap
- M53** 10.55 high, wire wrap
- M54** 26.97 high, wire wrap
- M6** Right angle, PC thru-hole
- M7** Vertical right angle, PC thru-hole
- VS2** V-bracket, Not applicable for the actuator of S5

RoHS soldering  
**S** RoHS & Lead Free



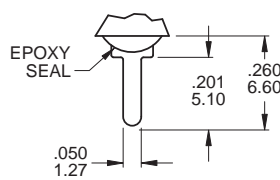
## TERMINATION OPTIONS

### M1 Solder lug



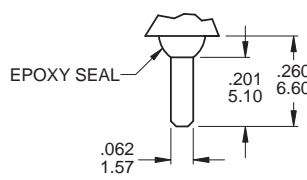
.030(0.76) THK.

### M2 PC Thru-hole



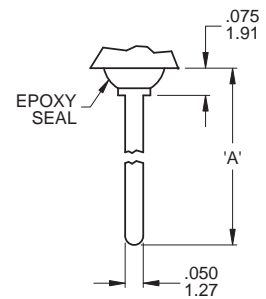
.030(0.76) THK.

### M3 Quick connect



THK .030(0.76)

### M5 Wire Wrap



THK .030(0.76)

## OTHER TERMINATION OPTIONS

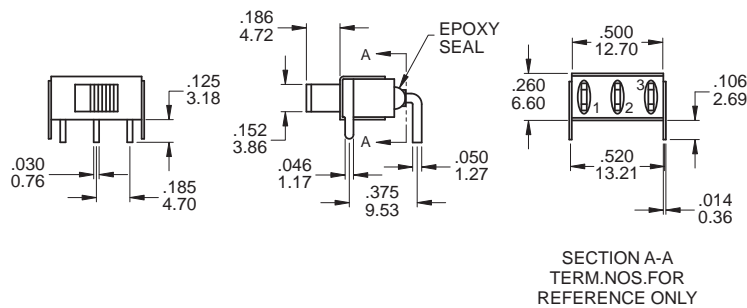
### M6 Right angle P.C. Mount

### M7 Right angle P.C. Mount

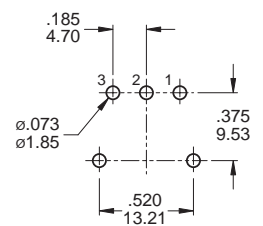
### VS2 Vertical bracket P.C. Mount

OPTION CODE	DIM. 'A'
M51	.736 (18.70)
M52	.953 (24.20)
M53	.415 (10.55)
M54	1.062 (26.97)

### M6



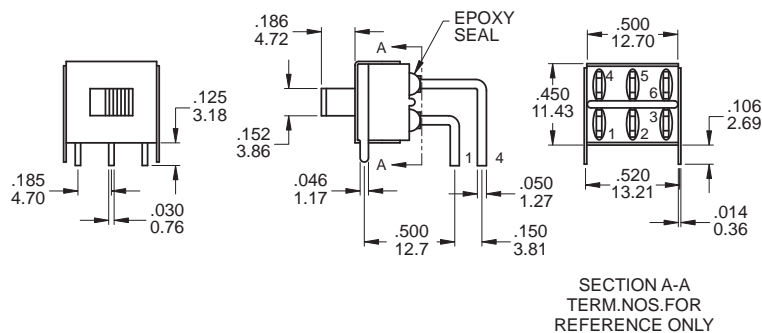
#### P.C. MOUNTING



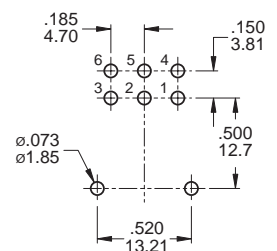
### SPDT

Part No. Shown : 5MS1S102AM6QES

### M6



#### P.C. MOUNTING



### DPDT

Part No. Shown : 5MD1S102AM6QES

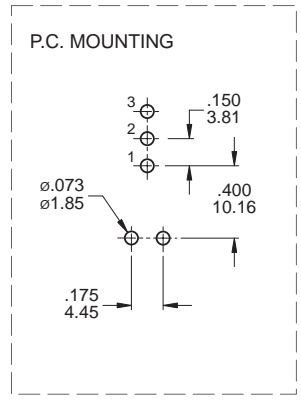
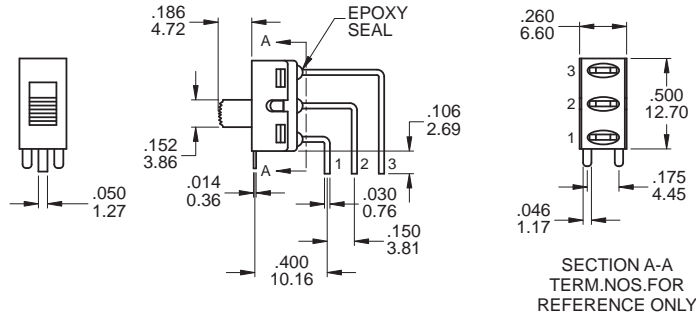


5M  
Slide Switches

# 5M Series

Slide Switches

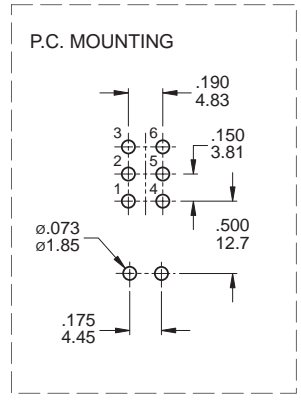
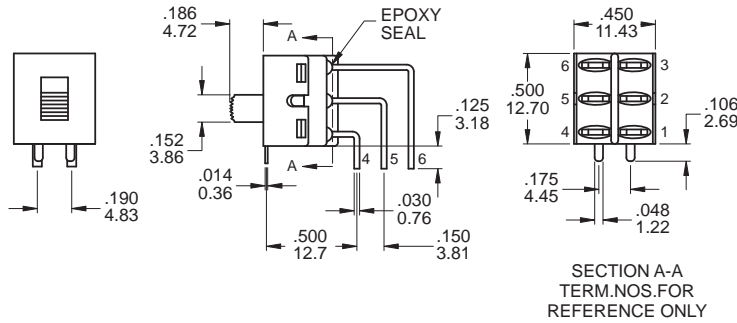
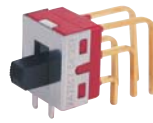
M7



SPDT

Part No. Shown : 5MS1S102AM7QES

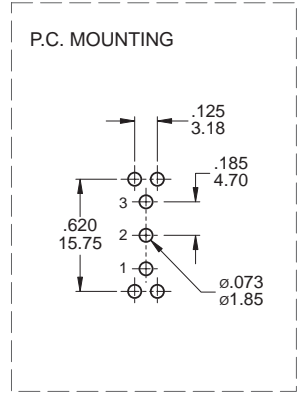
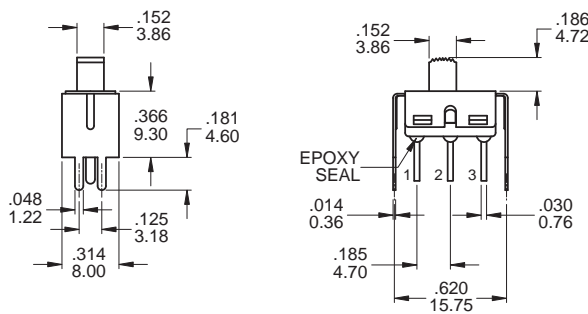
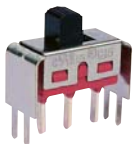
M7



DPDT

Part No. Shown : 5MD1S102AM7RES

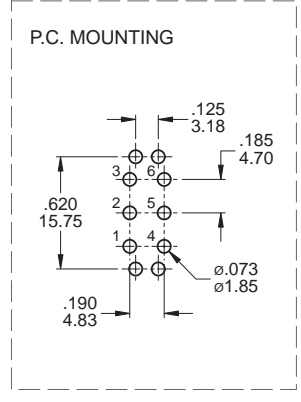
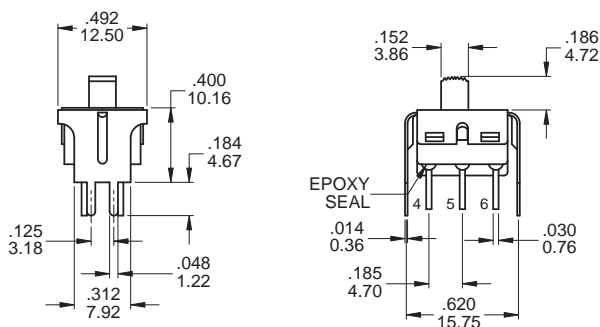
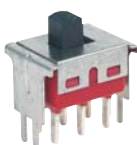
VS2



SPDT

Part No. Shown : 5MS1S102AVS2QES

VS2



DPDT

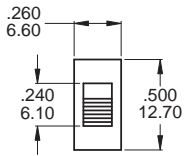
Part No. Shown : 5MD1S102AVS2QES

5M Slide Switches

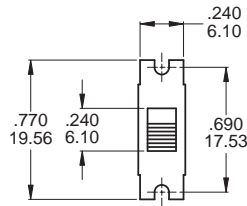
**MOUNTING EARS / PANEL MOUNT**

**MOUNTING EARS**

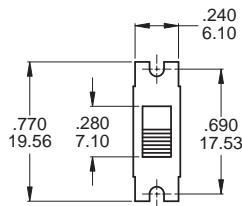
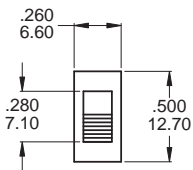
"A" WITHOUT MOUNTING EARS



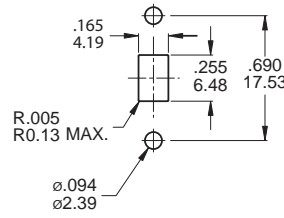
"B" WITH MOUNTING EARS



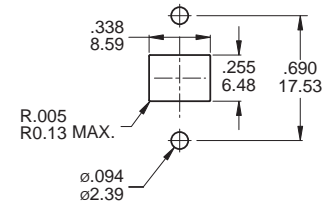
**THREE POSITIONS ONLY**



**PANEL MOUNTING**

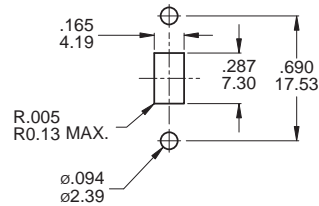


For S0,S1,S2,S3,S4 actuator



For S5 actuator only

**THREE POSITIONS ONLY**



For S0,S1,S2,S3,S4 actuator

**CONTACT MATERIAL OPTIONS**

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Silver	5 Amps with resistant load @ 120VAC or 28VDC 2 Amps with resistant load @ 250VAC
C	Gold over Silver	Gold over silver	
R	Gold	Gold	0.4 Volt - Amps ( VA ) max. @ 20V max. ( AC or DC )

**SOLDERING PROCESSES**

**MANUAL SOLDERING :** Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

**WAVE SOLDERING :** Recommended Soldering Temperature : 270 ± 5°C

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



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Dailywell:

[5MD1S102BM1QES](#) [5MD1S202AM6QES](#) [5MD1S202AM7QES](#) [5MD3S102AM6QES](#) [5MS1S102AM2QES](#)  
[5MS1S102AM6QES](#) [5MS3S102AVS2QES](#) [5MS3S102BM1QES](#) [5MS3S202AM6QES](#) [5MS3S202AM7QES](#)  
[5MS3S402AM2QES](#) [5MS1S102AM7QES](#) [5MS1S102AM7RES](#) [5MS1S102AVS2QES](#) [5MS1S102BM1QES](#)  
[5MS1S202AM7RES](#) [5MS1S302AM7QES](#) [5MS1S402AM6QES](#) [5MD1S202AM7DCES](#) [5MD1S102AM2QES](#)  
[5MS1S102AM1QES](#)