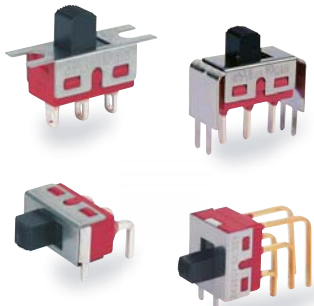




SPECIFICATIONS

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.

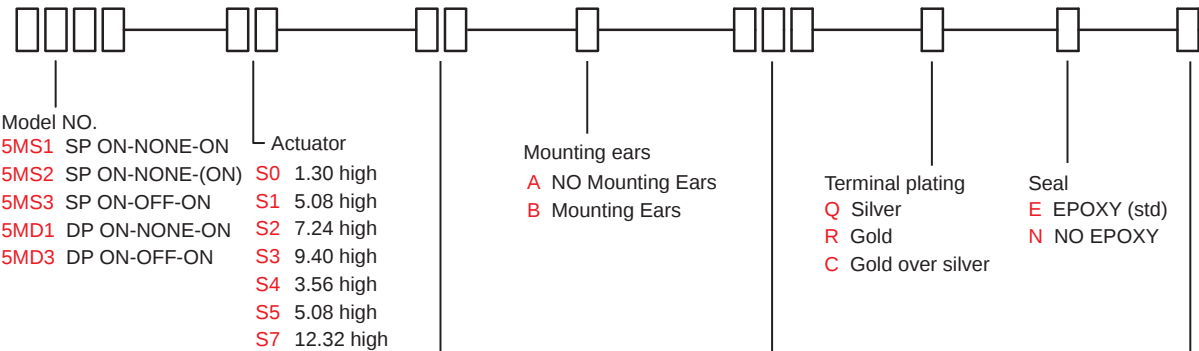
CONTACT/TERMINALS: Copper alloy, with silver or gold plated.

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

5M Series

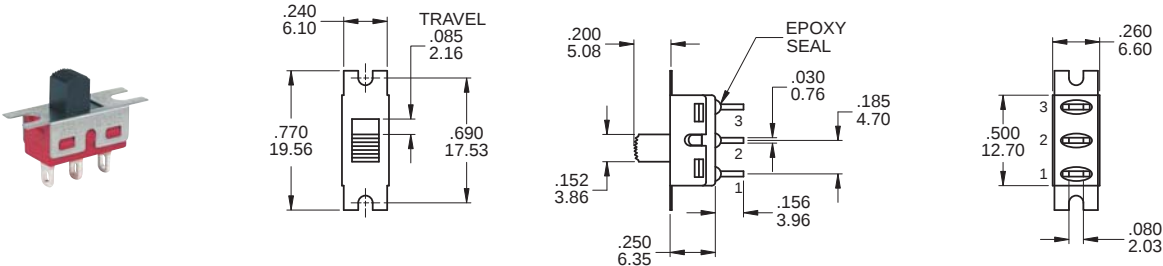
Slide Switches

SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	Q1511	5MS1	ON	NONE	ON	2-1	N/A	2-3
	Q1512	5MS2	ON	NONE	(ON)		OPEN	
	Q1513	5MS3	ON	OFF	ON			
DP	Q1521	5MD1	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	Q1523	5MD3	ON	OFF	ON		OPEN	

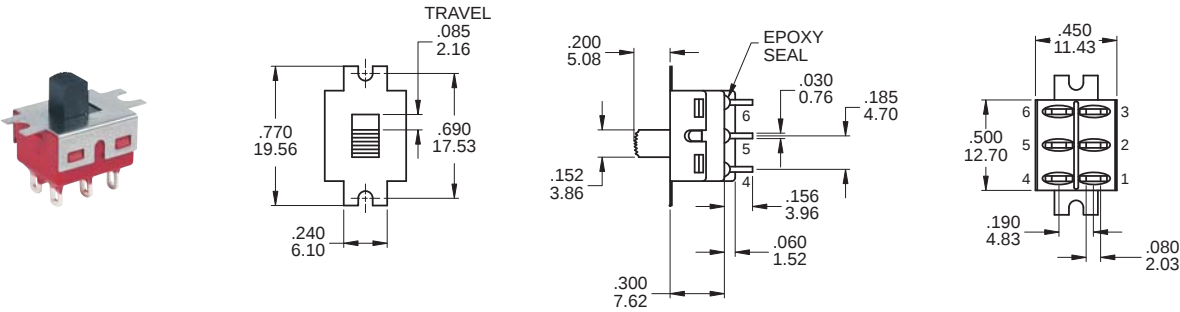
()=MOMENTARY

POLE OPTIONS



SPDT

Part No. Shown : 5MS1S102BM1QES

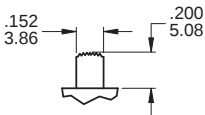


DPDT

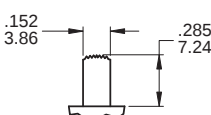
Part No. Shown : 5MD1S102BM1QES

ACTUATOR OPTIONS

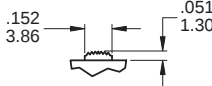
S1 STD



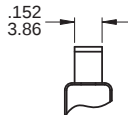
S2



S0 Only for S1,S2,D1,D3 model type

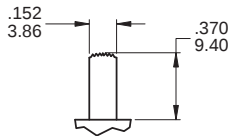


FRONT

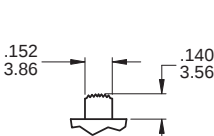


For S0,S1,S2,S3,S4 actuator

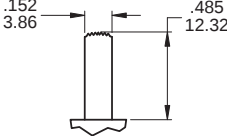
S3



S4

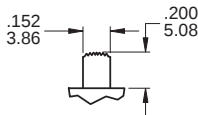


S7

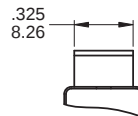


* Subtract .014(0.36) from Actuator height for M6, M7 P.C. mounting option.

▲ S5 Only DPDT

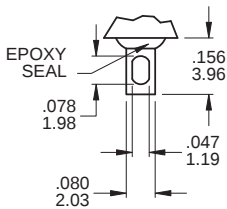


FRONT



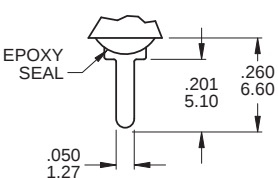
TERMINATION OPTIONS

M1 Solder lug



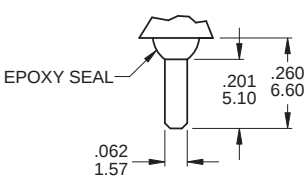
.030(0.76) THK.

M2 PC Thru-hole



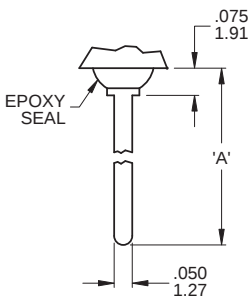
.030(0.76) THK.

M3 Quick connect



THK .030(0.76)

M5 Wire Wrap



THK .030(0.76)

OTHER TERMINATION OPTIONS

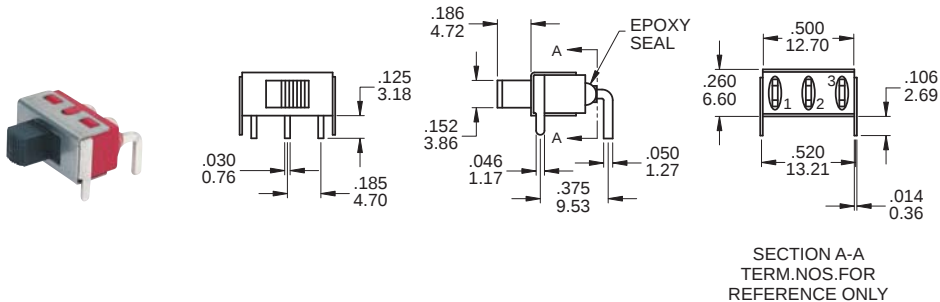
M6 Right angle P.C. Mount

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)

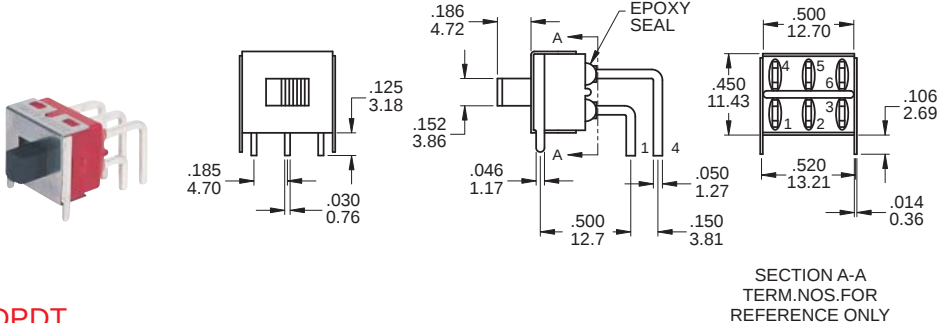
M6



SPDT

Part No. Shown : 5MS1S102AM6QES

M6



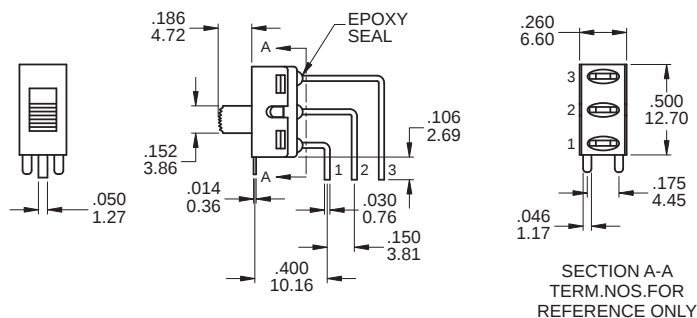
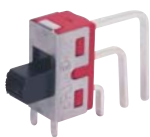
DPDT

Part No. Shown : 5MD1S102AM6QES

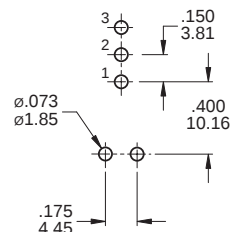
5M Series

Slide Switches

M7



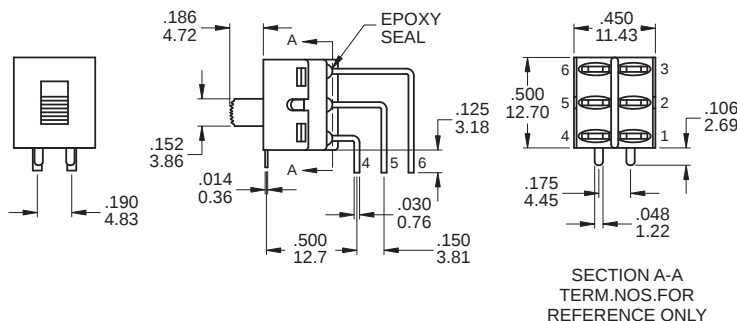
P.C. MOUNTING



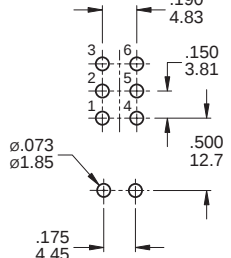
SPDT

Part No. Shown : 5MS1S102AM7QES

M7



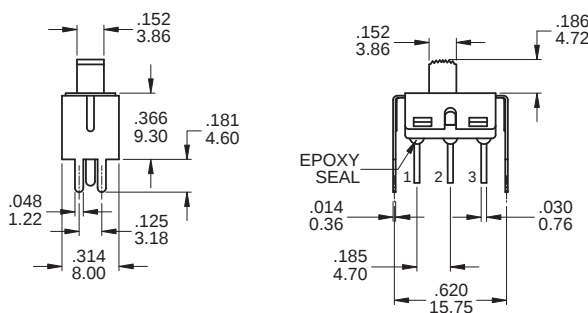
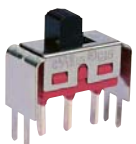
P.C. MOUNTING



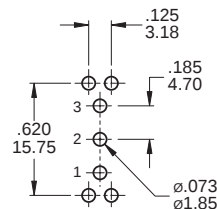
DPDT

Part No. Shown : 5MD1S102AM7RES

VS2



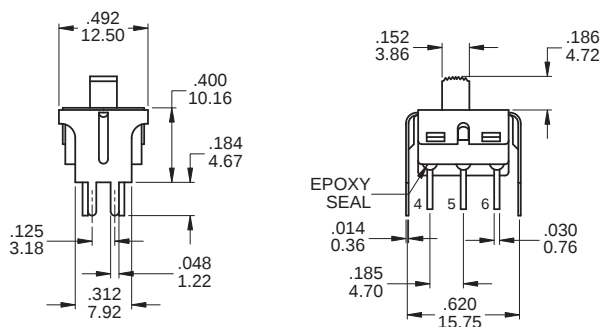
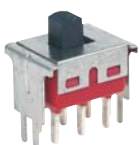
P.C. MOUNTING



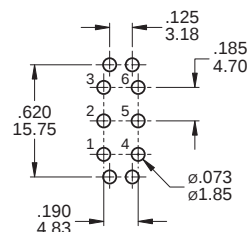
SPDT

Part No. Shown : 5MS1S102AVS2QES

VS2



P.C. MOUNTING



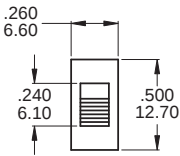
DPDT

Part No. Shown : 5MD1S102AVS2QES

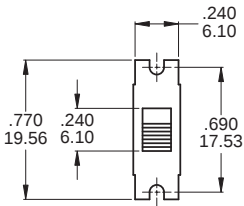
MOUNTING EARS / PANEL MOUNT

MOUNTING EARS

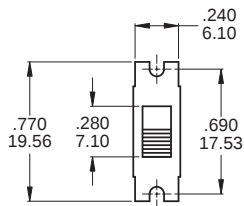
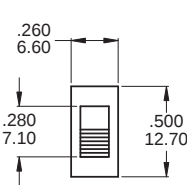
"A" WITHOUT
MOUNTING EARS



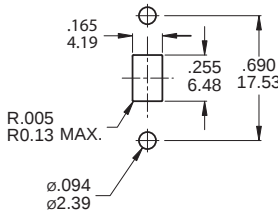
"B" WITH
MOUNTING EARS



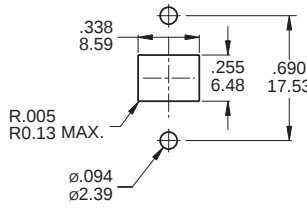
THREE POSITIONS ONLY



PANEL MOUNTING

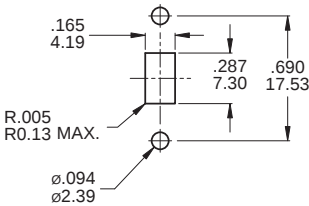


For S0,S1,S2,S3,S4 actuator



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)



5M
Slide Switches

Mouser Electronics

Authorized Distributor

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[5MS1S102AM6QES](#) [5MS3S102AVS2QES](#) [5MS3S102BM1QES](#) [5MS3S202AM6QES](#) [5MS3S202AM7QES](#)
[5MS3S402AM2QES](#) [5MS1S102AM7QES](#) [5MS1S102AM7RES](#) [5MS1S102AVS2QES](#) [5MS1S102BM1QES](#)
[5MS1S202AM7RES](#) [5MS1S302AM7QES](#) [5MS1S402AM6QES](#) [5MD1S202AM7DCES](#) [5MD1S102AM2QES](#)
[5MS1S102AM1QES](#) [5MD1S302AM6QES](#) [5MD3S102AVS2QES](#) [5MS3S302AM7QES](#) [5MD1S102AM7QES](#)
[5MD1S202AM2QES](#) [5MD3S102AM7QES](#) [5MS3S102AM6QES](#) [5MS3S102AM7QES](#) [5MS3S302AM2QES](#)
[5MD1S102AM6QES](#)