

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: -30°C to 85°C.

MATERIALS

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

HOUSING: Stainless Steel.

ACTUATOR: Nylon, black std.

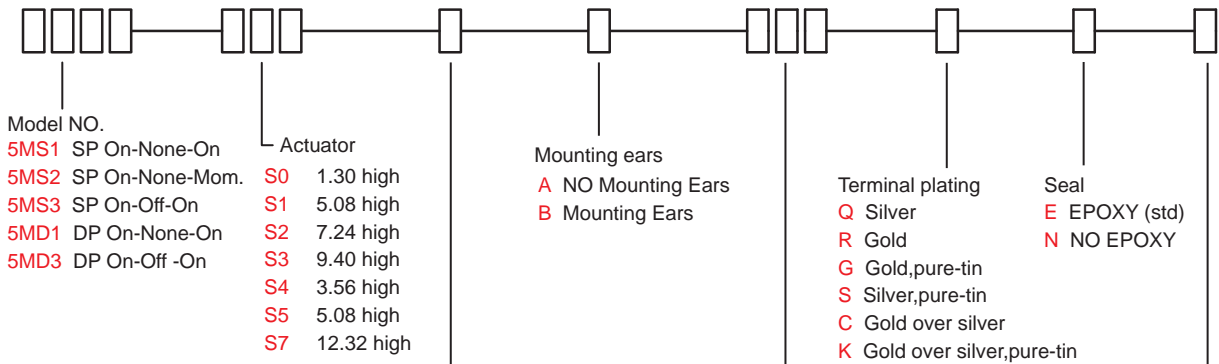
CONTACT/TERMINALS: Copper alloy, with silver or gold plated.

TERMINAL SEAL: Epoxy.



HOW TO ORDER

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



Actuator color

| ITEM NO | COLOR |
|---------|-------------|
| 1 | White |
| 2 | Black (Std) |
| 3 | Red |
| 4 | Orange |
| 5 | Yellow |
| 6 | Green |
| 7 | Blue |
| 8 | Brown |
| 9 | Gray |

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 |

RoHS soldering
 RoHS Compliant
 RoHS & Lead Free

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

5M Series

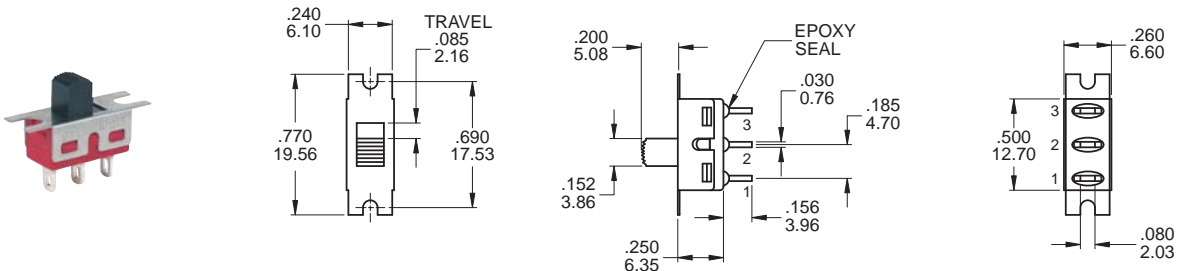
Slide Switches

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 | MOM | 2 (COMM) | OPEN | 2 (COMM) |
| | Q1513 | 5MS3 | ON | OFF | ON | 1 • 3 | | 1 • 3 |
| DP | Q1521 | 5MD1 | ON | NONE | ON | 2-1,5-4 | N/A | 2-3,5-6 |
| | Q1523 | 5MD3 | ON | OFF | ON | 2 (COMM) 5 | OPEN | 2 (COMM) 5 |

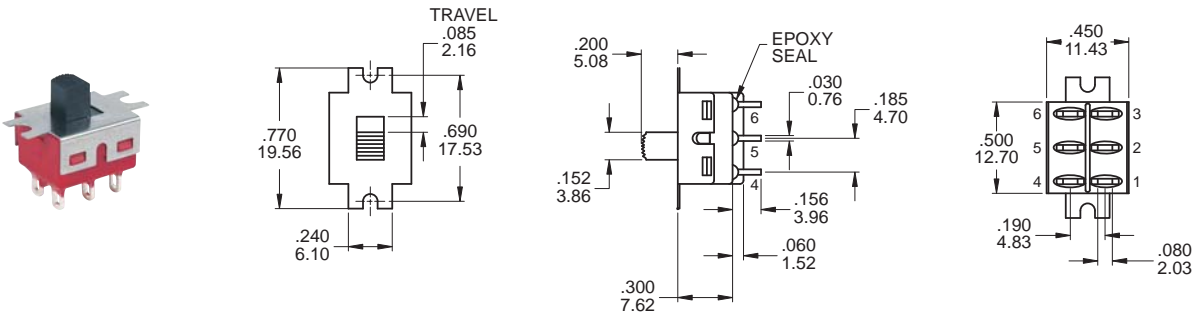
MOM=MOMENTARY

POLE OPTIONS



SPDT

Part No. Shown : 5MS1S102BM1QE

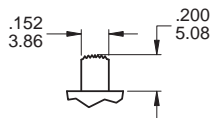


DPDT

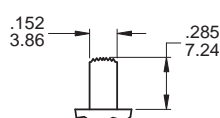
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ACTUATOR OPTIONS

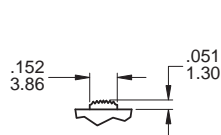
S1 STD



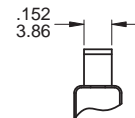
S2



S0

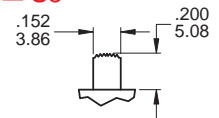


FRONT

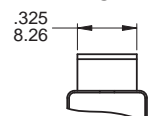


For S0,S1,S2,S3,S4

S5

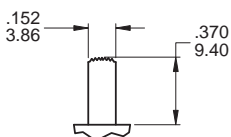


FRONT

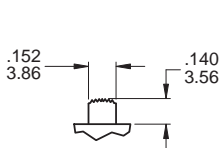


FOR DPDT ONLY

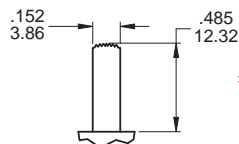
S3



S4



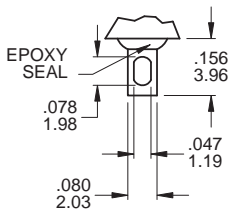
S7



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

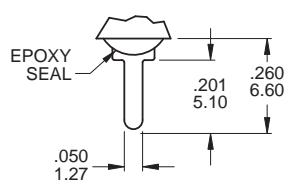
TERMINATION OPTIONS

M1 Solder lug



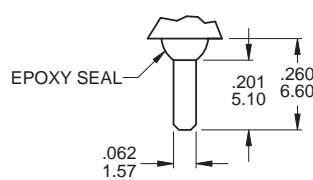
.030(0.76) THK.

M2 PC Thru-hole



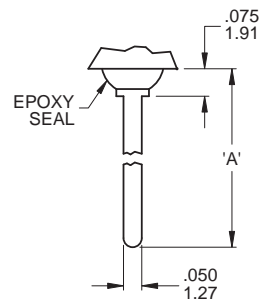
.030(0.76) THK.

M3 Quick connect



THK .030(0.76)

M5 Wire Wrap



THK .030(0.76)

OTHER TERMINATION OPTIONS

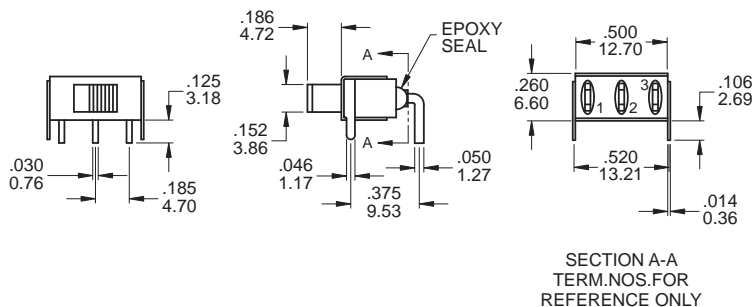
M6 Right angle P.C. Mount

M7 Right angle P.C. Mount

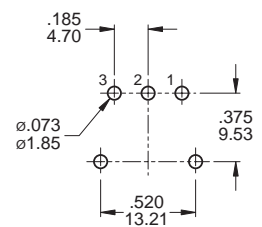
VS2 Vertical bracket P.C. Mount

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

M6



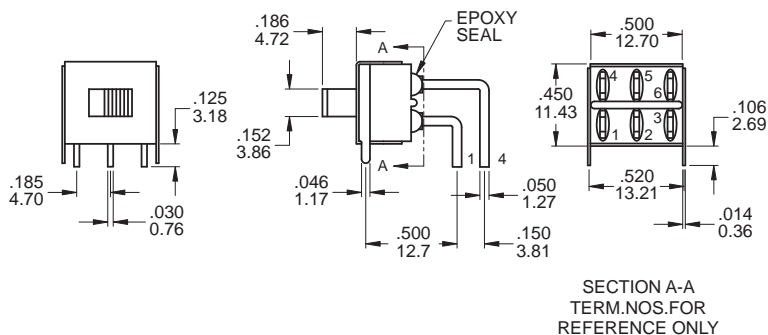
P.C. MOUNTING



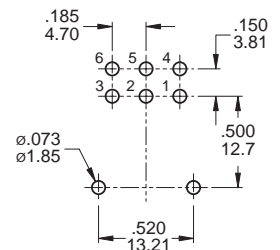
SPDT

Part No. Shown : 5MS1S102AM6QE

M6



P.C. MOUNTING



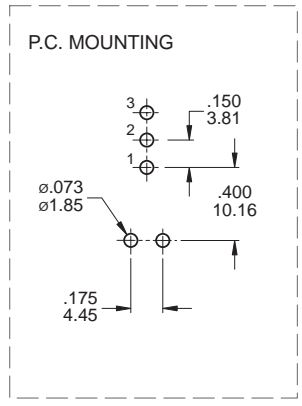
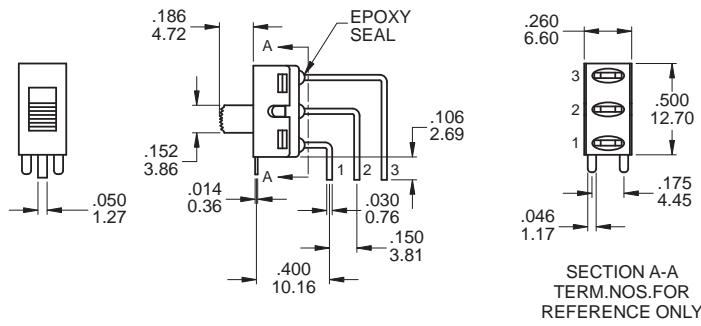
DPDT

Part No. Shown : 5MD1S102AM6QE

5M Series

Slide Switches

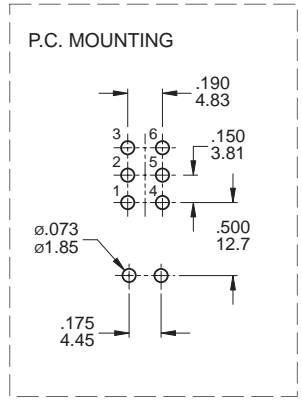
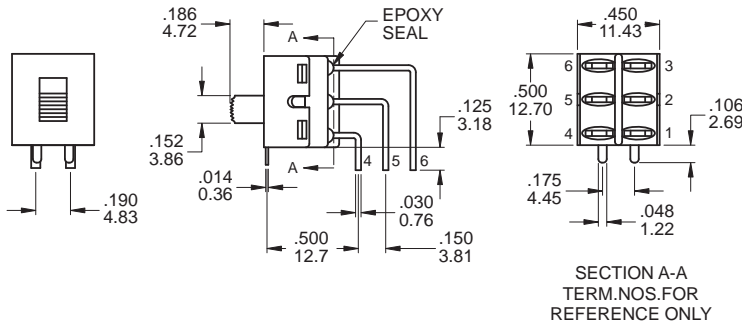
M7



SPDT

Part No. Shown : 5MS1S102AM7QE

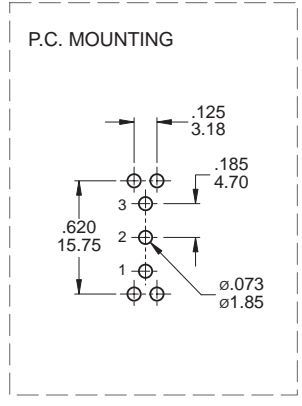
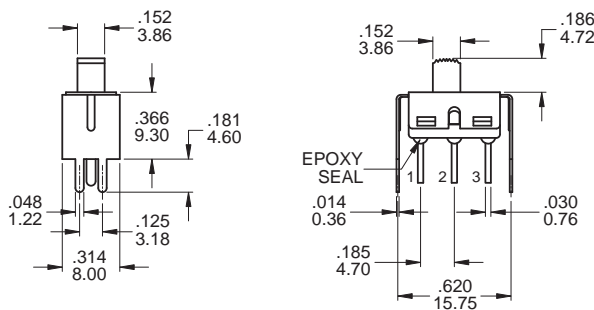
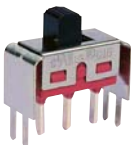
M7



DPDT

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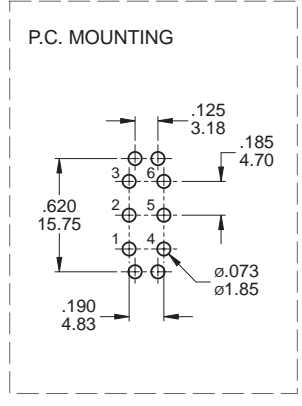
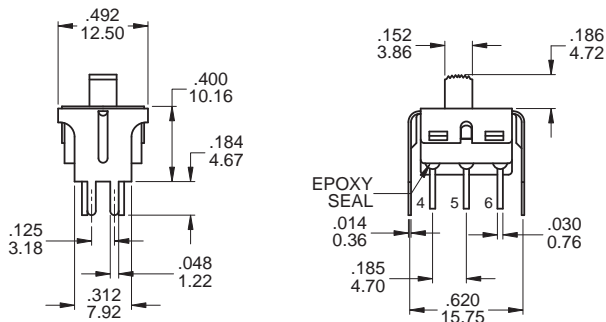
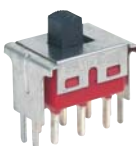
VS2



SPDT

Part No. Shown : 5MS1S102AVS2QE

VS2



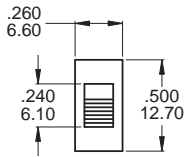
DPDT

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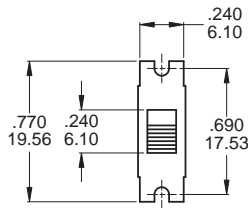
MOUNTING EARS / PANEL MOUNT

MOUNTING EARS

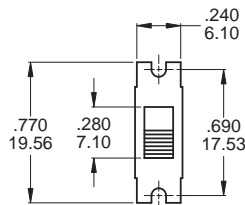
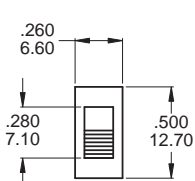
"A" WITHOUT MOUNTING EARS



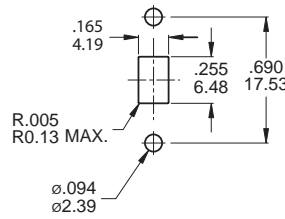
"B" WITH MOUNTING EARS



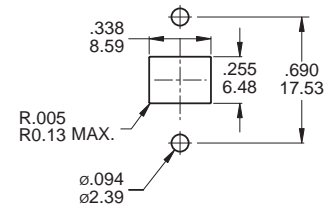
THREE POSITIONS ONLY



PANEL MOUNTING

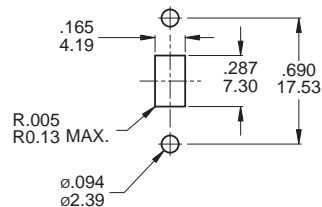


For S0,S1,S2,S3,S4



For S5 ONLY

THREE POSITIONS ONLY



For S0,S1,S2,S3,S4

CONTACT MATERIAL OPTIONS

| | CONTACT PLATING | TERMINAL PLATING | RATINGS |
|---|------------------|---------------------------------|---|
| Q | Silver | Q = Silver | 5 Amps with resistant load @ 120VAC or 28VDC 2 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

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

WAVE SOLDERING : Recommended Soldering Temperature : 260 ± 5°C

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