



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material
see page 108.

MECHANICAL LIFE: 50,000 make-and-break cycles.

CONTACT RESISTANCE: 20mΩ max. initial @ 2-4VDC
100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000MΩ min.

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

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE: Diallyl phthalate(DAP) (UL94V-0).

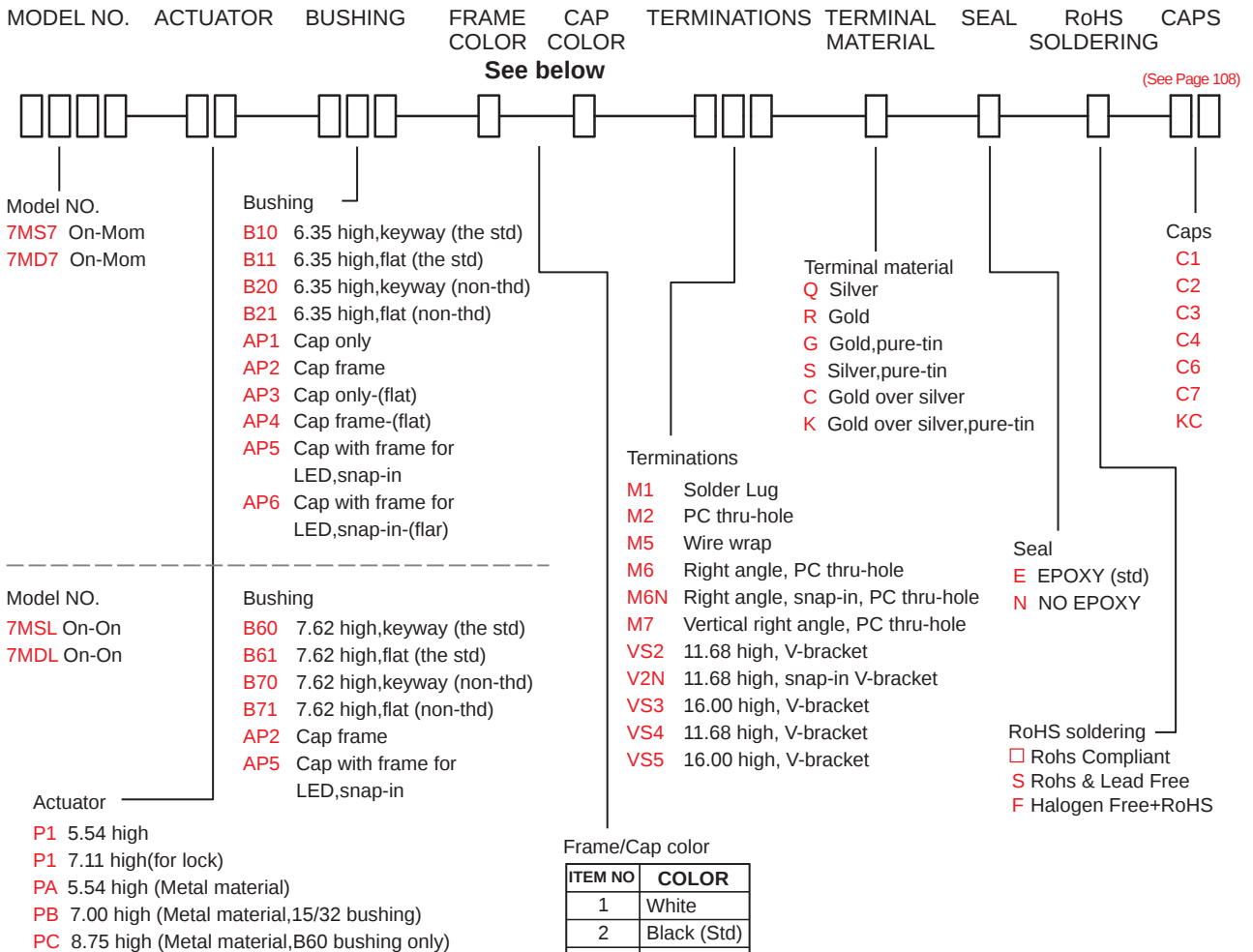
PLUNGER: Glass filled Nylon or Glass filled polyester.

BUSHING: Brass,nickel plated.

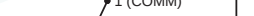
HOUSING: Stainless Steel.

CONTACT: Copper alloy, silver or gold plated. (See Page 108)

HOW TO ORDER



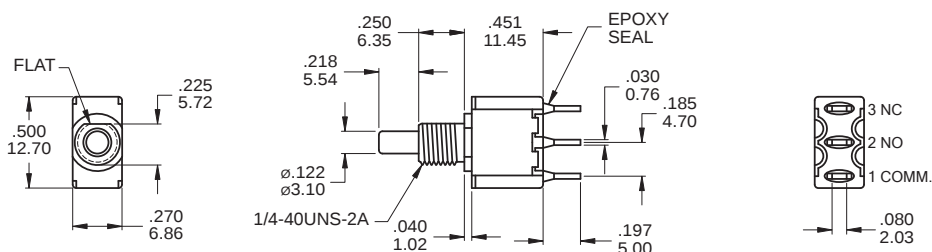
SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
			POS.1	POS.2	POS.1	POS.2
						
SP	Q2717	7MS7	ON	MOM	1-3 	1-2 
DP	Q2727	7MD7	ON	MOM	1-3,4-6 	1-2,4-5 

POLE OPTIONS



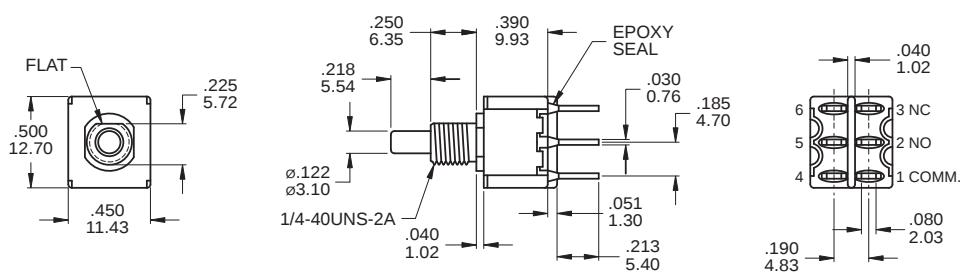
SPDT



Part No. Shown : 7MS7P1B11M1QE



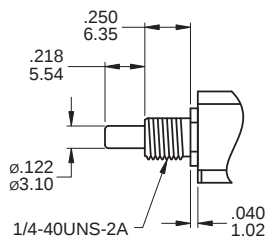
DPDT



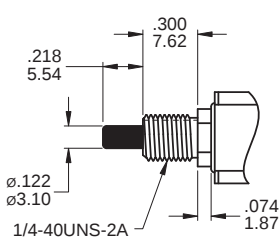
Part No. Shown : 7MD7P1B11M1OE

ACTUATOR OPTIONS

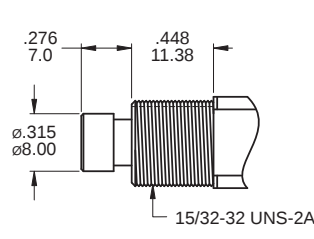
P1



PA handle, metal material

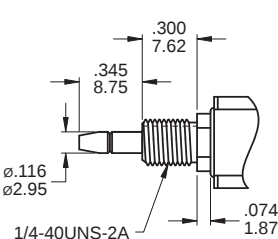


PBB13 handle, metal material



Use with B13 bushing only

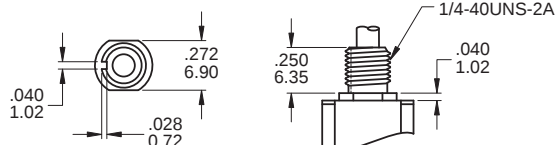
PCB60 handle, metal material



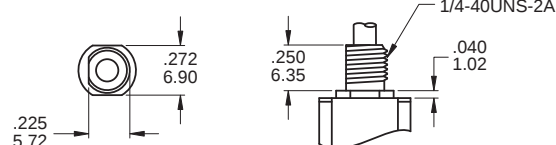
Use with B60 bushing std
* PC Actuator only for KC Cap

BUSHING OPTIONS

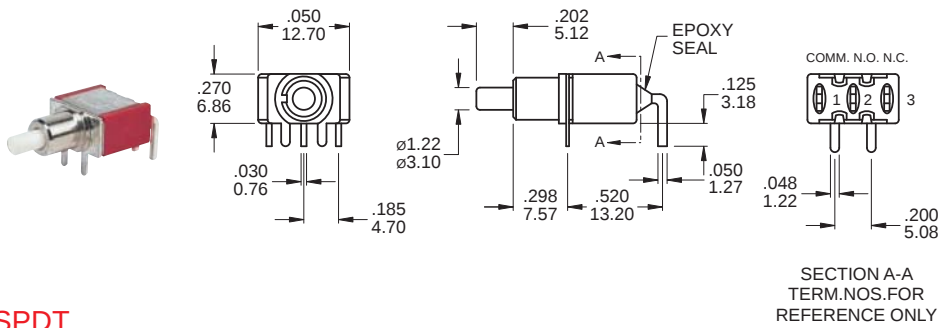
B10 THD STD
B20 NON-THD



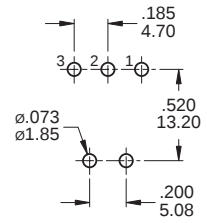
B11 THD STD
B21 NON-THD



M6



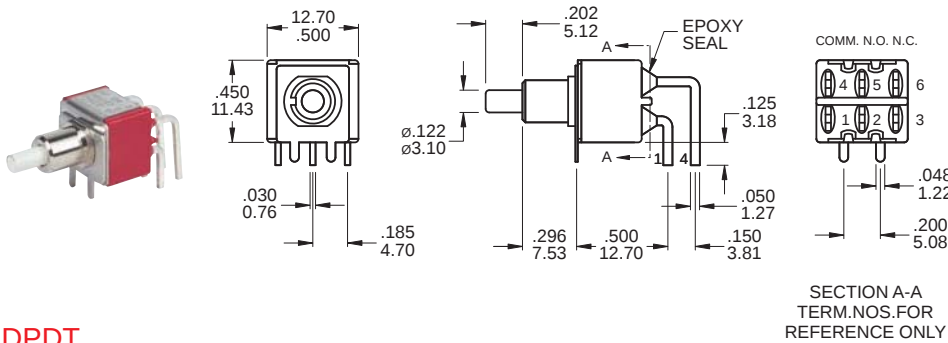
P.C. MOUNTING



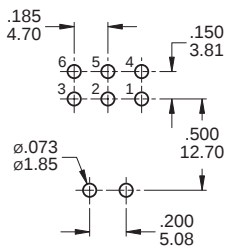
SPDT

Part No. Shown : 7MS7P1B20M6QE

M6



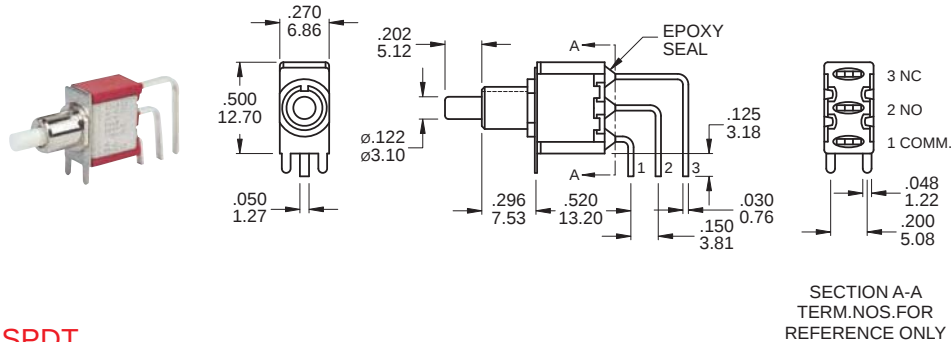
P.C. MOUNTING



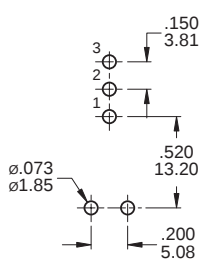
DPDT

Part No. Shown : 7MD7P1B20M6QE

M7



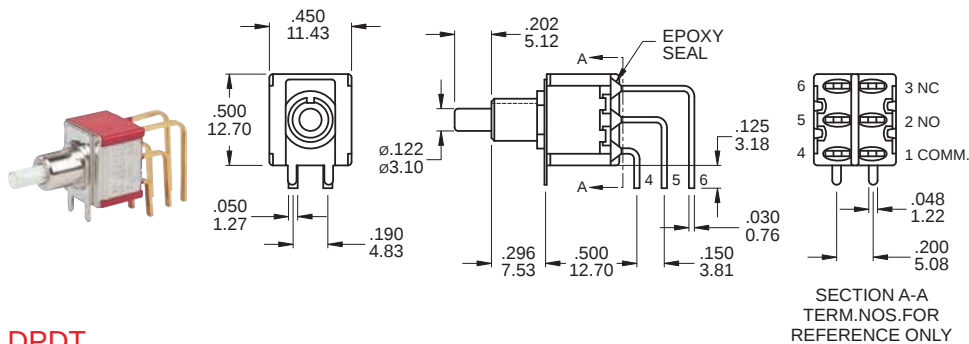
P.C. MOUNTING



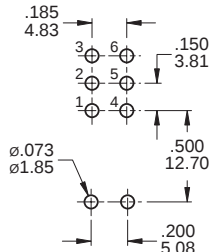
SPDT

Part No. Shown : 7MS7P1B20M7QE

M7



P.C. MOUNTING



DPDT

Part No. Shown : 7MD7P1B20M7RE

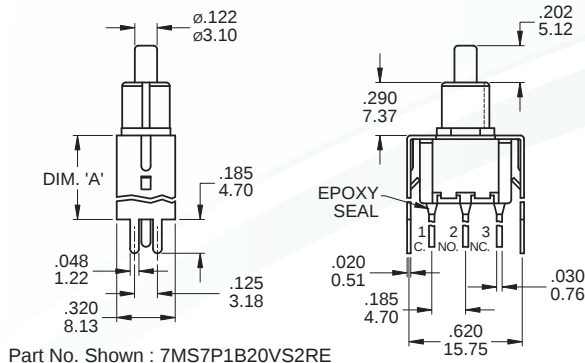


7M Pushbutton Switches

VS2 - VS3



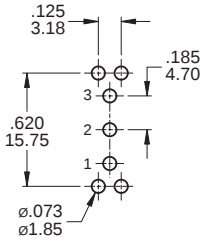
SPDT



Part No. Shown : 7MS7P1B20VS2RE

OPTION CODE	DIM. 'A'
VS2	.460 11.68
VS3	.630 16.00

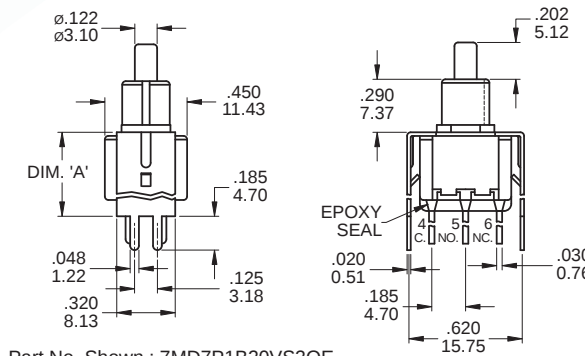
P.C. MOUNTING



VS2 - VS3



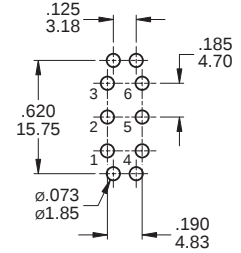
DPDT



Part No. Shown : 7MD7P1B20VS2QE

OPTION CODE	DIM. 'A'
VS2	.460 11.68
VS3	.630 16.00

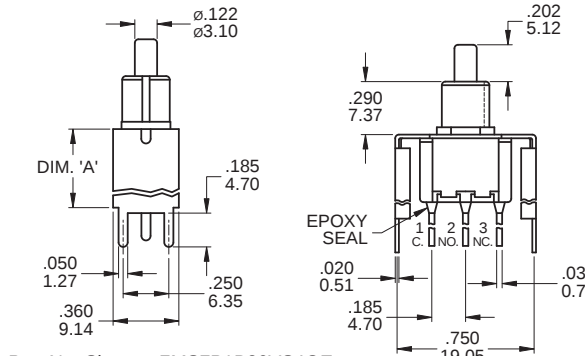
P.C. MOUNTING



VS4 - VS5



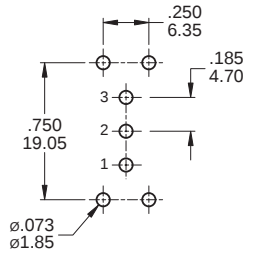
SPDT



Part No. Shown : 7MS7P1B20VS4QE

OPTION CODE	DIM. 'A'
VS4	.460 11.68
VS5	.630 16.00

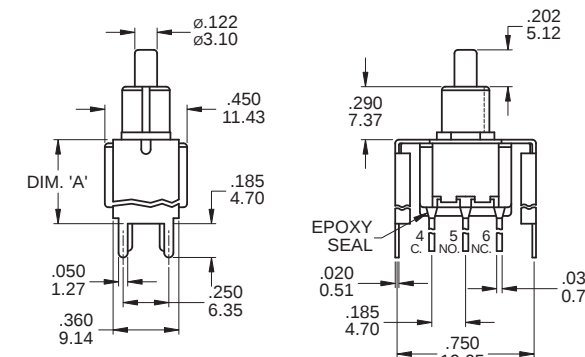
P.C. MOUNTING



VS4 - VS5



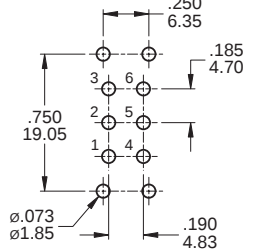
DPDT



Part No. Shown : 7MD7P1B20VS4QE

OPTION CODE	DIM. 'A'
VS4	.460 11.68
VS5	.630 16.00

P.C. MOUNTING

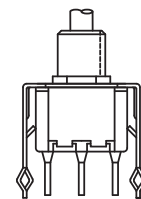
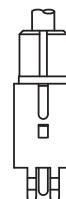
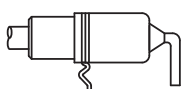


SNAP-IN TERMINATION OPTIONS

M6N

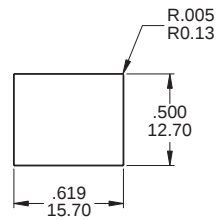
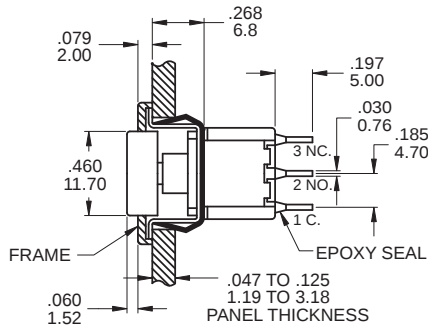
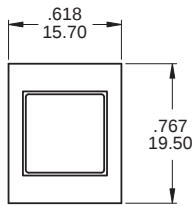


V2N



PANEL MOUNTING

AP2 CAP & FRAME / AP1 CAP ONLY



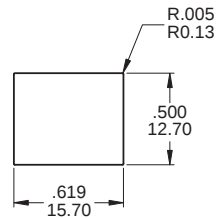
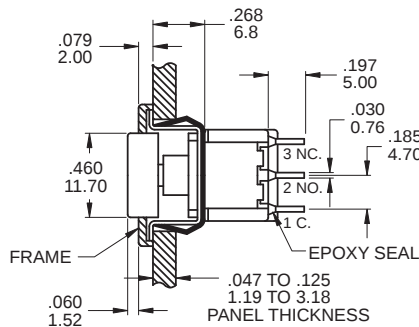
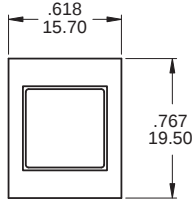
INCREASE TO .620/.625 15.75/15.88
FOR .091/.125 2.31/3.18 THK PANEL

PANEL LAYOUT

SPDT

Part No. Shown : 7MS7AP223M1QE

AP2 CAP & FRAME / AP1 CAP ONLY



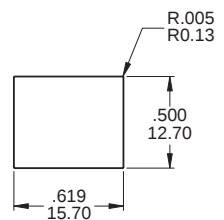
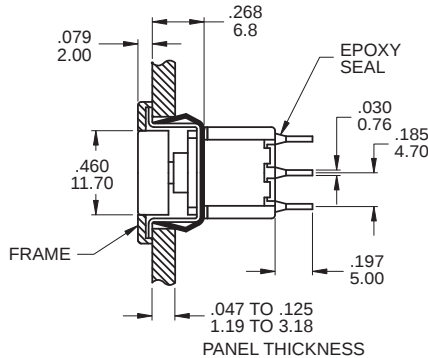
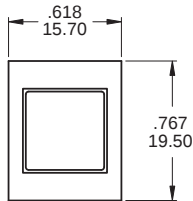
INCREASE TO .620/.625 15.75/15.88
FOR .091/.125 2.31/3.18 THK PANEL

PANEL LAYOUT

DPDT

Part No. Shown : 7MD7AP223M1QE

AP4 CAP & FRAME / AP3 CAP ONLY



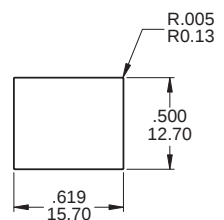
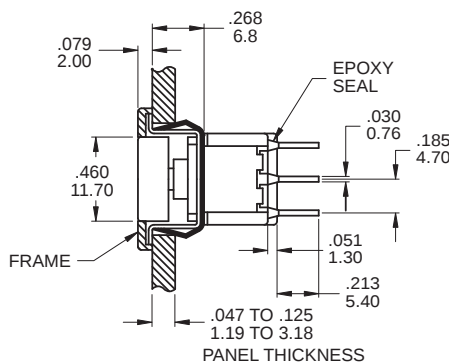
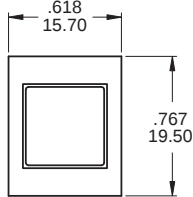
INCREASE TO .620/.625 15.75/15.88
FOR .091/.125 2.31/3.18 THK PANEL

PANEL LAYOUT

SPDT

Part No. Shown : 7MS7AP429M1RE

AP4 CAP & FRAME / AP3 CAP ONLY



INCREASE TO .620/.625 15.75/15.88
FOR .091/.125 2.31/3.18 THK PANEL

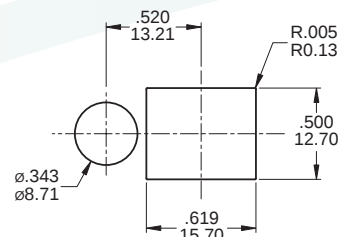
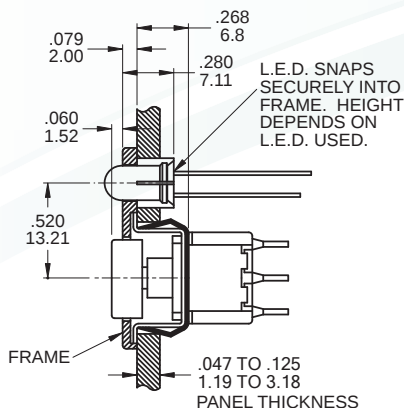
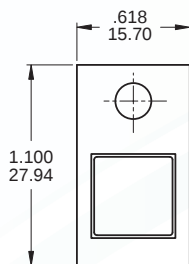
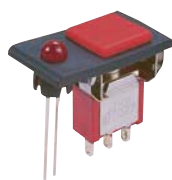
PANEL LAYOUT

DPDT

Part No. Shown : 7MD7AP423M1RE



AP5 CAP & FRAME



PANEL LAYOUT

SPDT

Part No. Shown : 7MS7AP523M1QE

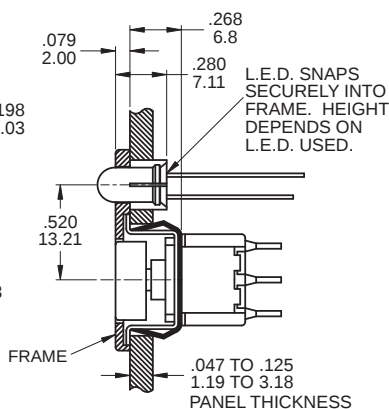
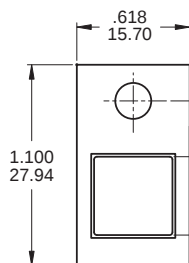
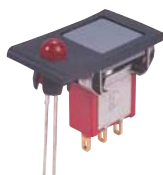
CAP AND FRAME COLORS

OPTION CODE	COLOR
1	WHITE
2	BLACK(std)
3	RED

LED COLORS

OPTION CODE	COLOR
3	RED(std)
4	ORANGE
6	GREEN

AP6 CAP & FRAME

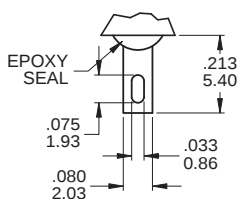


DPDT

Part No. Shown : 7MS7AP629M1RE

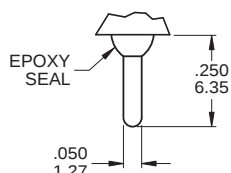
TERMINATION OPTIONS

M1 Solder lug



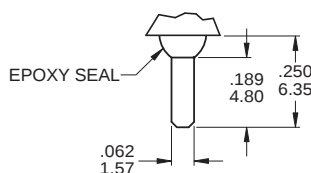
.030(0.76) THK.

M2 PC Thru-hole



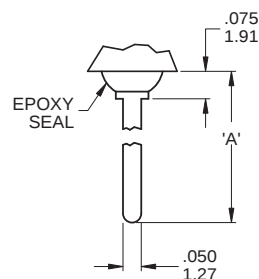
.030(0.76) THK.

M3 Quick connect



.030(0.76) THK.

M5 Wire Wrap



.030(0.76) THK.

OTHER TERMINATION OPTIONS

- M6** RIGHT ANGLE P.C. MOUNT
- M7** RIGHT ANGLE P.C. MOUNT
- VS2** VERTICAL BRACKET P.C. MOUNT
- VS3** VERTICAL BRACKET P.C. MOUNT
- VS4** VERTICAL BRACKET P.C. MOUNT
- VS5** VERTICAL BRACKET P.C. MOUNT

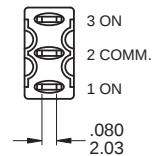
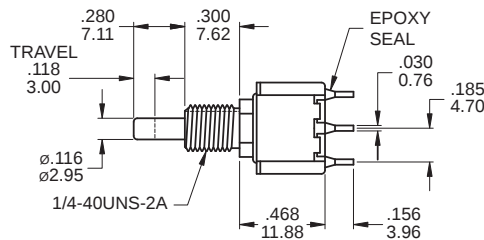
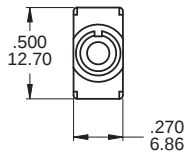
OPTION CODE	DIM. 'A'
M5-1	.750 (19.50)
M5-2	.964 (24.48)
M5-3	.426 (10.80)
M5-4	.650 (16.50)

SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
			POS.1	POS.2	POS.1	POS.2
SP	Q27	7MSL	ON	ON	1-2 	2-3
DP	Q27	7MDL	ON	ON	1-2,4-5 	2-3,5-6

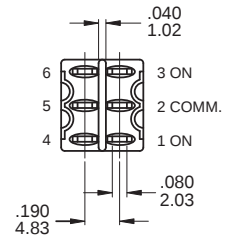
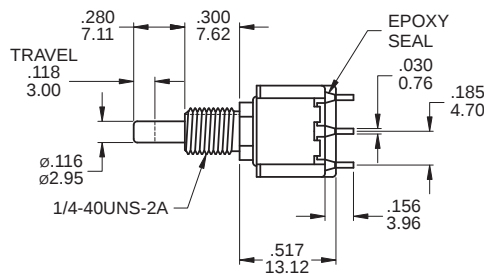
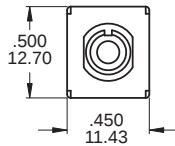
MOM=MOMENTARY

POLE OPTIONS



SPDT

Part No. Shown : 7MSLP1B60M1QE

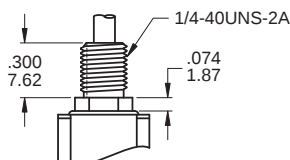
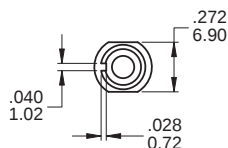


DPDT

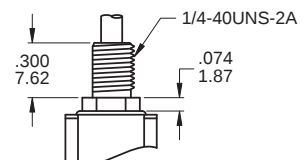
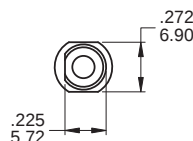
Part No. Shown : 7MDLP1B60M1QE

BUSHING OPTIONS

B60 THD STD
B70 NON-THD



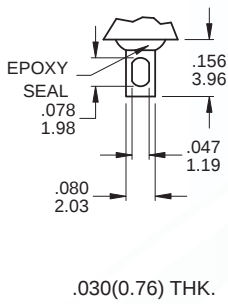
B61 THD STD
B71 NON-THD



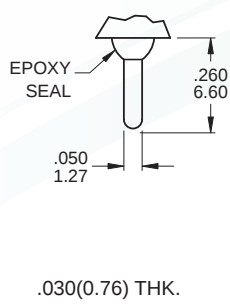
7M(Lock)
Pushbutton Switches

TERMINATION OPTIONS

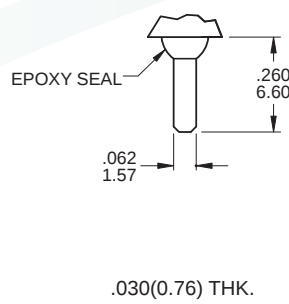
M1 Solder lug



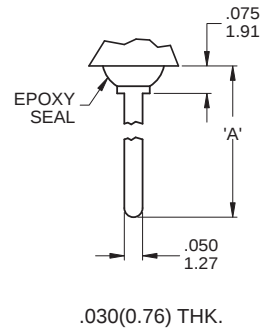
M2 PC Thru-hole



M3 Quick connect



M5 Wire Wrap



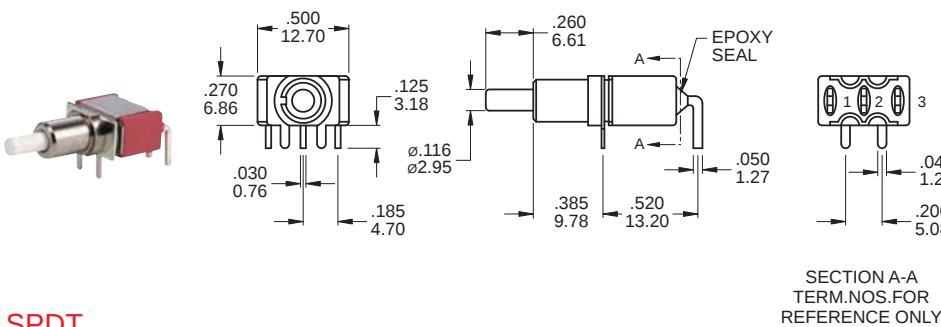
OTHER TERMINATION OPTIONS

- M6** RIGHT ANGLE P.C. MOUNT
- M7** RIGHT ANGLE P.C. MOUNT
- VS2** VERTICAL BRACKET P.C. MOUNT
- VS3** VERTICAL BRACKET P.C. MOUNT

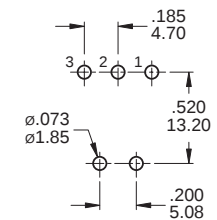
OPTION CODE	DIM. 'A'
M5-1	.750 (19.50)
M5-2	.964 (24.48)
M5-3	.426 (10.80)
M5-4	.650 (16.50)

TERMINATION OPTIONS

M6



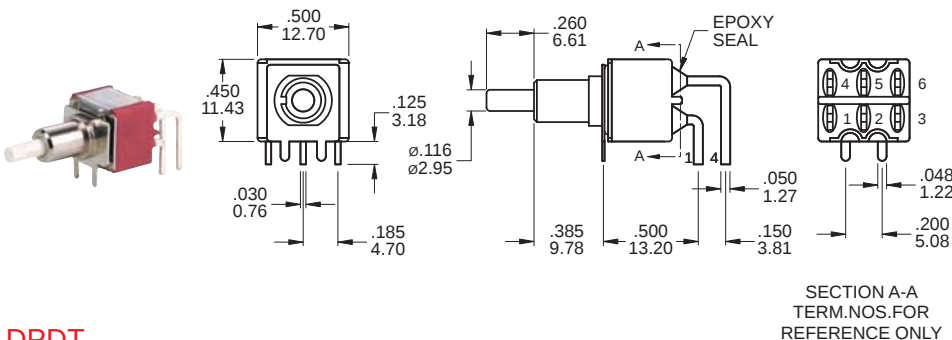
P.C. MOUNTING



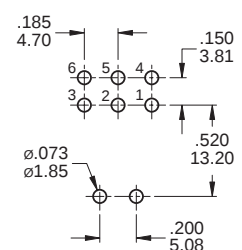
SPDT

Part No. Shown : 7MSLP1B70M6QE

M6



P.C. MOUNTING



DPDT

Part No. Shown : 7MDLP1B70M6QE