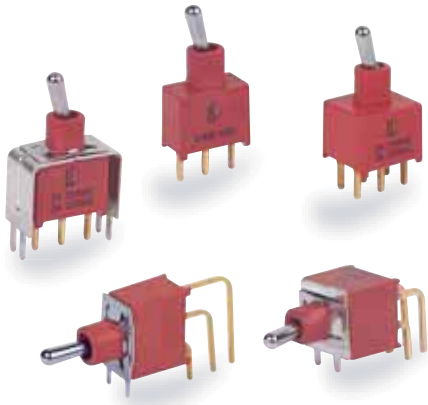




SPECIFICATIONS

CONTACT RATING: Dependent upon contact material See page 16.

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

CONTACT RESISTANCE: 10mΩ max. initial @ 2-4VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000M Ω min.

DIELECTRIC STRENGTH: 1,000 V RMS@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE & BUSHING: Glass filled nylon 66, flame retardant. heat stabilized (UL94v-0).

ACTUATOR: Brass,chrome plated with internal,O-ring seal atandard.

SWITCH SUPPORT: Brass or steel,tin plated.

SWITCH SUPPORT RETAINER: Stainless steel.

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

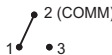
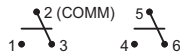
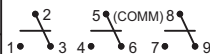
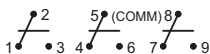
(See Page 16)



HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	CONTACT MATERIAL	SEAL	ROHS SOLDERING
1AS1	SP On-None-On					
1AS2	SP On-None-Mom					
1AS3	SP On-Off-On					
1AS4	SP Mom-Off-Mom					
1AS5	SP On-Off -Mom					
1AD1	DP On-None-On					
1AD2	DP On-None-Mom					
1AD3	DP On-Off-On					
1AD4	DP Mom-Off-Mom					
1AD5	DP On-Off-Mom					
1AD6	DP On-On-On					
1AD7	DP MOm-On-Mom					
1AD8	DP On-On-Mom					
1A31	3P On-None-On					
1A32	3P On-None-Mom					
1A33	3P On-Off-On					
1A34	3P Mom-Off-Mom					
1A35	3P On-Off-Mom					

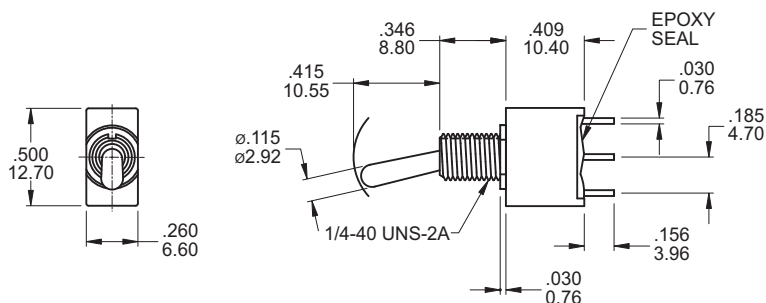
SWITCH FUNCTION

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	Q11A11	1AS1	ON	NONE	ON	2-3 	N/A	2-1 
	Q11A12	1AS2	ON	NONE	MOM		OPEN	
	Q11A13	1AS3	ON	OFF	ON			
	Q11A14	1AS4	MOM	OFF	MOM			
	Q11A15	1AS5	ON	OFF	MOM			
DP ▲ ▲	Q11A21	1AD1	ON	NONE	ON	2-3,5-6 	N/A	2-1,5-4 
	Q11A22	1AD2	ON	NONE	MOM		OPEN	
	Q11A23	1AD3	ON	OFF	ON			
	Q11A24	1AD4	MOM	OFF	MOM			
	Q11A25	1AD5	ON	OFF	MOM			
	Q11A26	1AD6	ON	ON	ON	2-3,5-6	2-3,5-4	2-1,5-4
	Q11A27	1AD7	MOM	ON	MOM			
	Q11A28	1AD8	ON	ON	MOM			
3P	Q11A31	1A31	ON	NONE	ON	2-3,5-6,8-9 	N/A	2-1,5-4,8-7 
	Q11A32	1A32	ON	NONE	MOM		OPEN	
	Q11A33	1A33	ON	OFF	ON			
	Q11A34	1A34	MOM	OFF	MOM			
	Q11A35	1A35	ON	OFF	MOM			

MOM=MOMENTARY

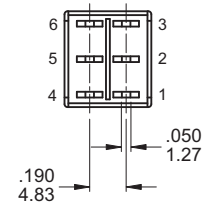
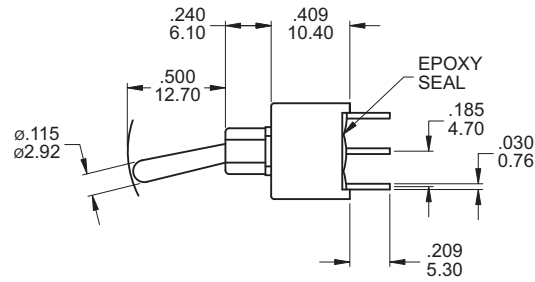
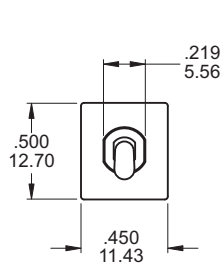
▲ Please check the availability in advance before order

POLE OPTIONS



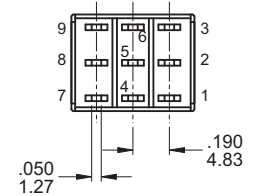
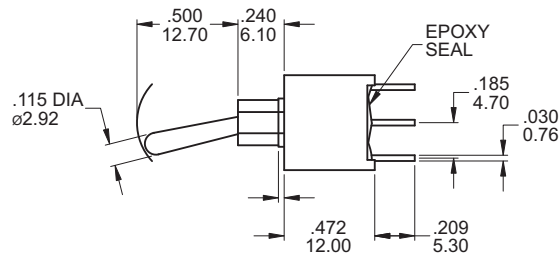
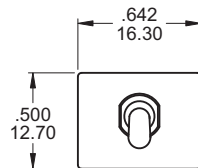
SPDT

Part No. Shown : 1AS1T1B1M1QE



DPDT

Part No. Shown : 1AD1T1B4M2RE



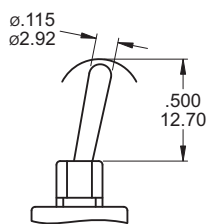
3PDT

Part No. Shown : 1A31T1B4M2RE

ACTUATOR OPTIONS

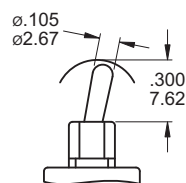
Actuator shown with standard B4 Bushing,
Subtract .085 (2.15) for B1 bushing.

T1



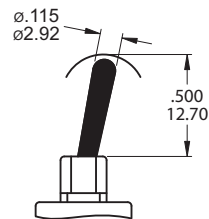
Standard with
M1,M2 terminations.

T2



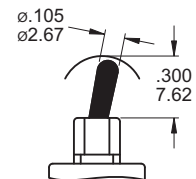
Standard with
M6,M7,VS2-3 terminations.

TA



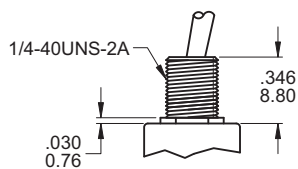
ESD
PLASTIC ACTUATOR
(TC anti-static , silver)

TB



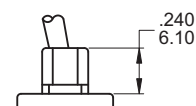
BUSHING OPTIONS

B1



Std for M1

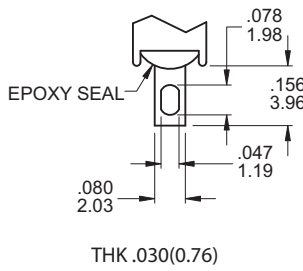
B4



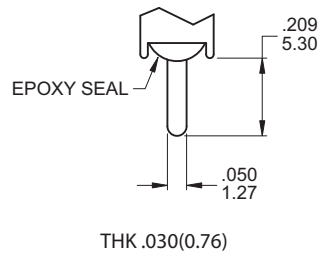
Std for M2, M6, M7, VS termination

TERMINATION OPTIONS

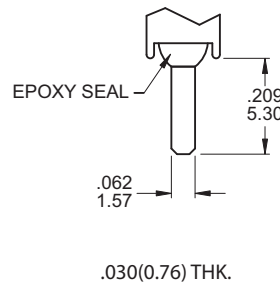
M1 SOLDER LUG



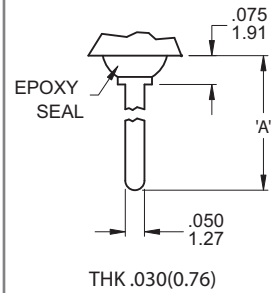
M2 PC THRU-HOLE



M3 QUICK CONNECT



M5 WIRE WRAP



OTHER TERMINATION OPTIONS

M6 RIGHT ANGLE P.C. MOUNT

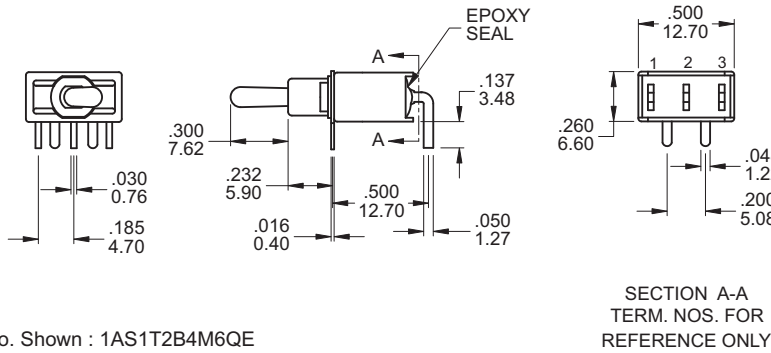
M7 RIGHT ANGLE P.C. MOUNT

VS2 VERTICAL BRACKET P.C. MOUNT

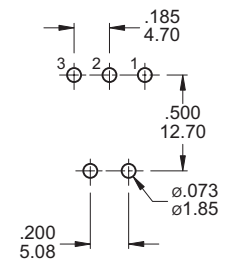
VS3 VERTICAL BRACKET P.C. MOUNT

OPTION CODE	DIM. 'A'
M5-1	.736 (18.70)
M5-2	.953 (24.20)
M5-3	.415 (10.55)
M5-4	1.062 (26.97)

M6

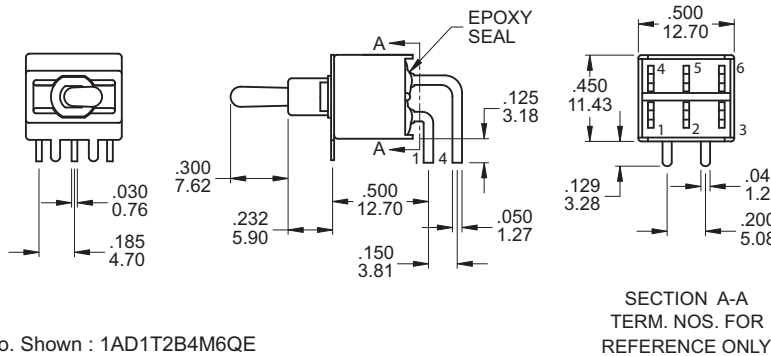


P.C. MOUNTING

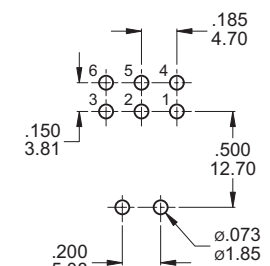


SPDT

M6

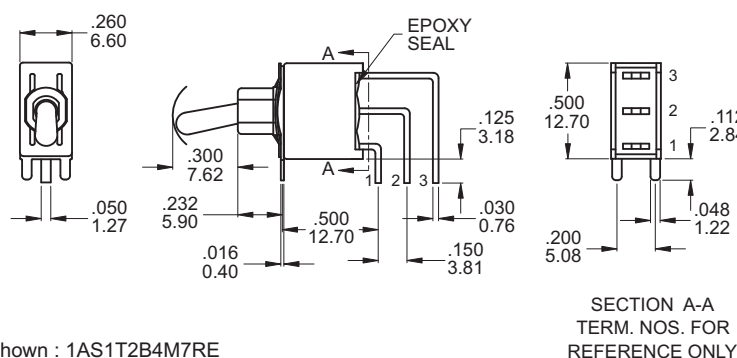
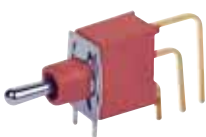


P.C. MOUNTING

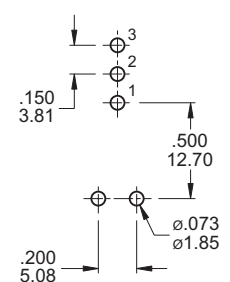


DPDT

M7

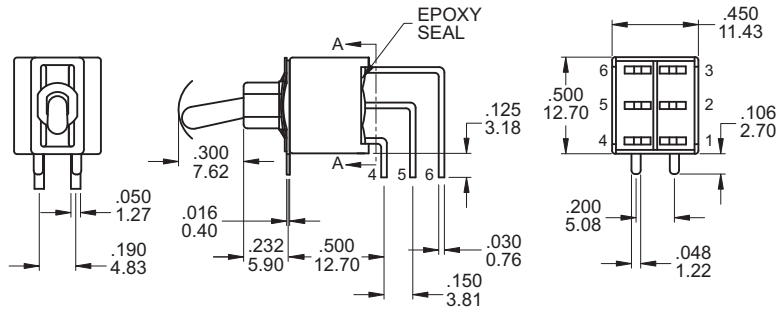
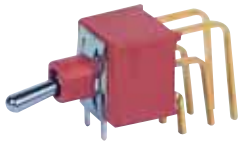


P.C. MOUNTING

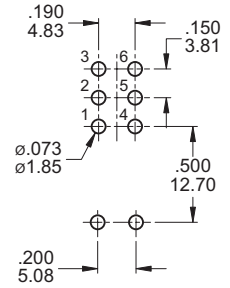


SPDT

M7



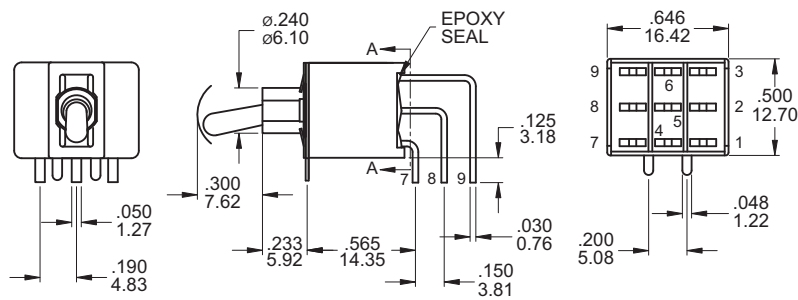
P.C. MOUNTING



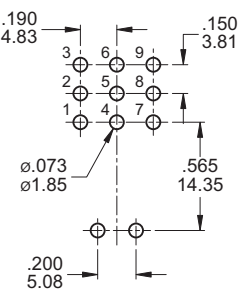
DPDT

Part No. Shown : 1AD1T2B4M7RE

M7



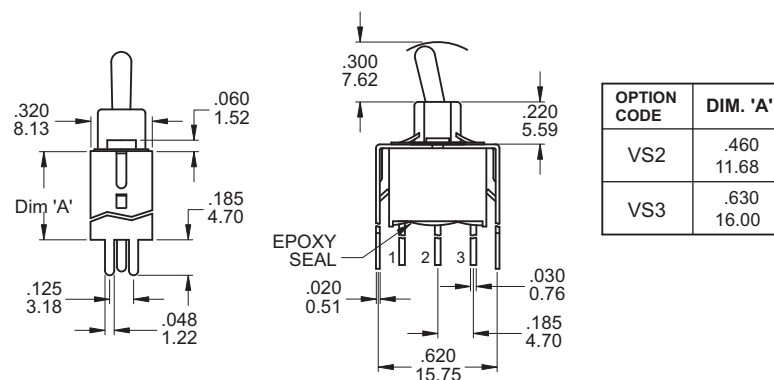
P.C. MOUNTING



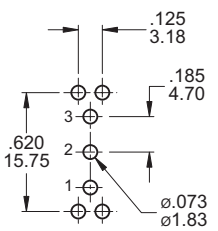
3PDT

Part No. Shown : 1A31T2B4M7RE

VS2 - VS3



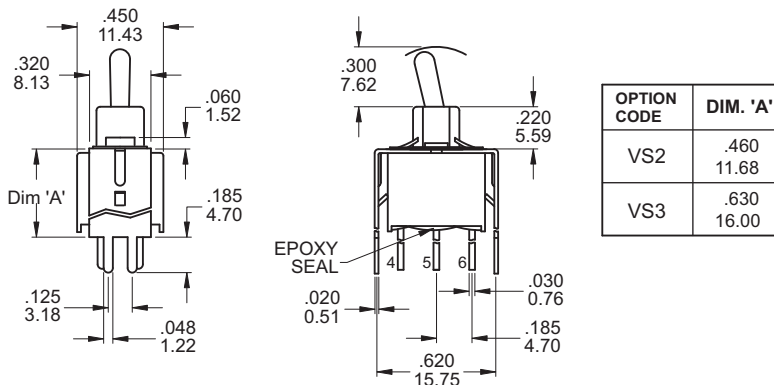
P.C. MOUNTING



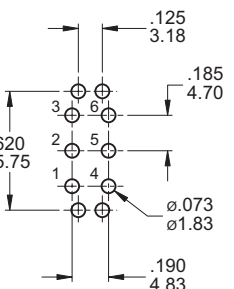
SPDT

Part No. Shown : 1AS1T2B4VS2RE

VS2 - VS3



P.C. MOUNTING



DPDT

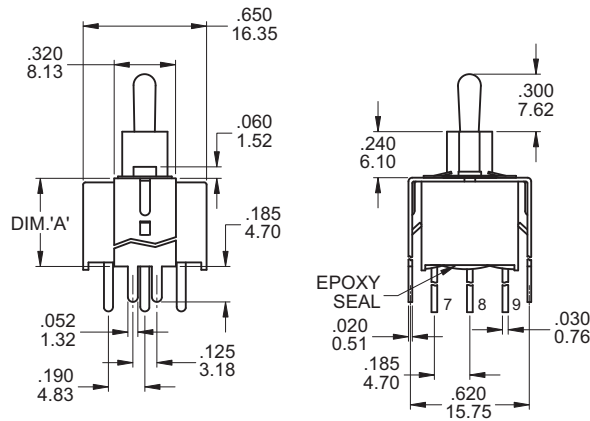
Part No. Shown : 1AD1T2B4VS2RE

VS2 - VS3



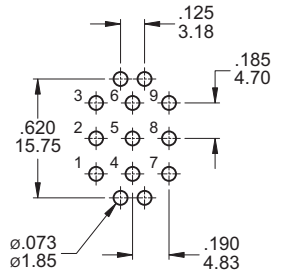
3PDT

Part No. Shown : 1A31T2B4VS2QE



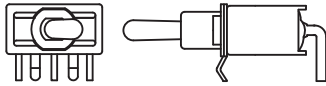
OPTION CODE	DIM. 'A'
VS2	.460 11.68
VS3	.630 16.00

P.C. MOUNTING

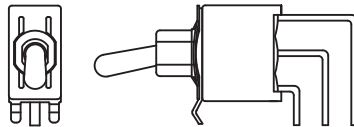


SNAP-IN TERMINATION OPTIONS

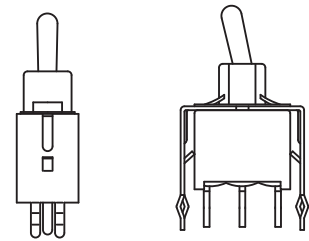
M6N



M7N



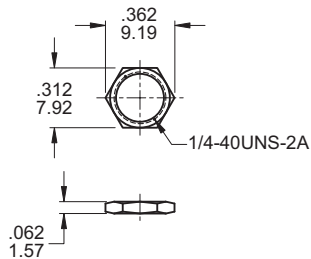
V2N



HARDWARE

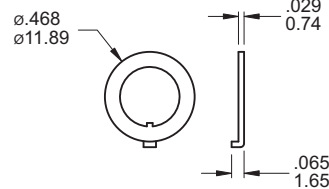
NUT

HDW2



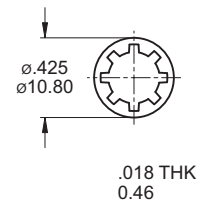
LOCKING RING

HDW15



LOCK WASHER

HDW11



CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Gold flash over silver	5 Amps with resistant load @ 120VAC or 28VDC 2 Amps with resistant load @ 250VAC
S		S = Gold flash over 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)

SOLDERING : Vapor phase