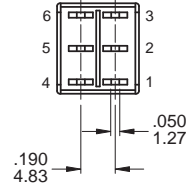
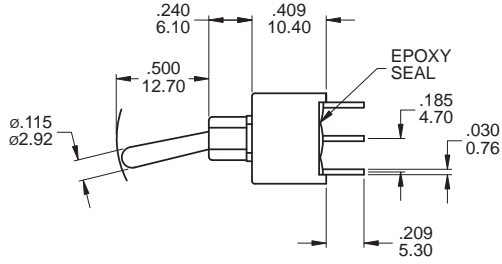
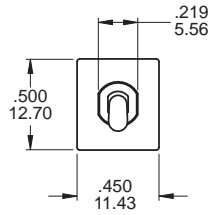


1A Series

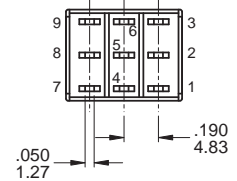
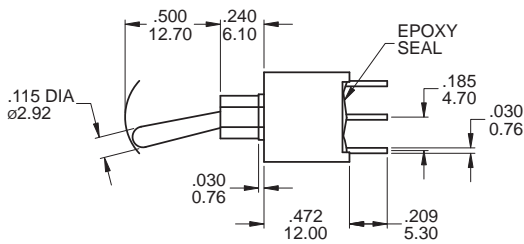
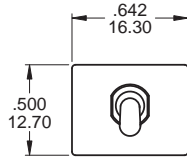
Sealed Miniature Toggle Switches

1A
Toggle Switches



DPDT

Part No. Shown : 1AD1T1B4M2QES



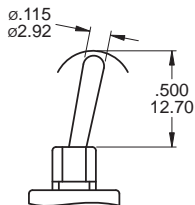
3PDT

Part No. Shown : 1A31T1B4M2QES

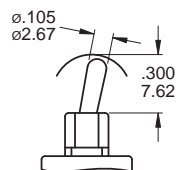
ACTUATOR OPTIONS

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

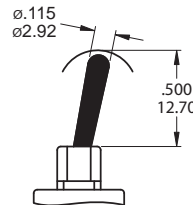
T1



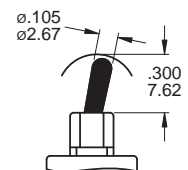
T2



TA



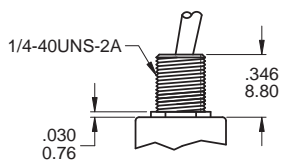
TB



PLASTIC ACTUATOR
(TC, Silver)

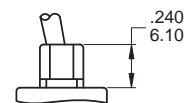
BUSHING OPTIONS

B1



Std for M1

B4

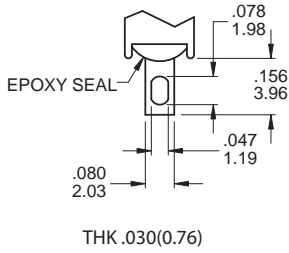


Std for M2, M6, M7, VS termination

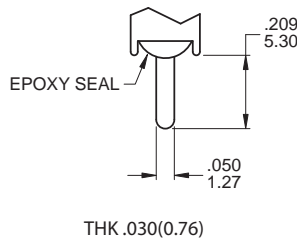


TERMINATION OPTIONS

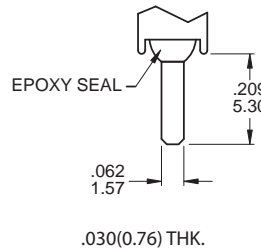
M1 Solder lug



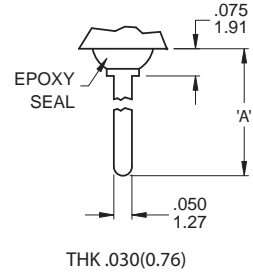
M2 PC Thru-hole



M3 Quick connect



M5 Wire Wrap



OTHER TERMINATION OPTIONS

M6 Right angle P.C. Mount

M7 Vertical right angle P.C. Mount

VS2 Vertical bracket P.C. Mount

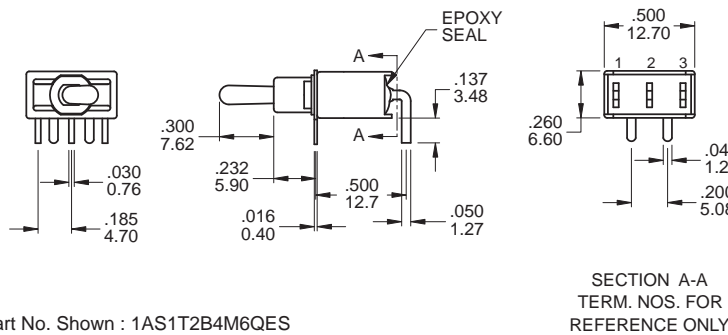
VS3 Vertical bracket P.C. Mount

M6N Right angle P.C. Mount
with snap-in bracket

V2N Vertical bracket P.C. Mount
with snap-in bracket

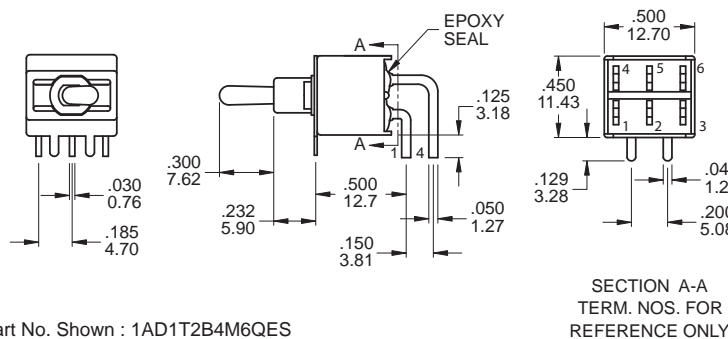
OPTION CODE	DIM. 'A'
M51	.736 (18.70)
M52	.953 (24.20)
M53	.415 (10.55)
M54	1.062 (26.97)

M6



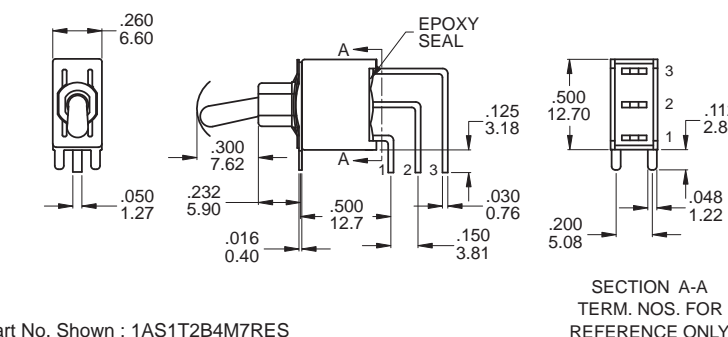
SPDT

M6



DPDT

M7



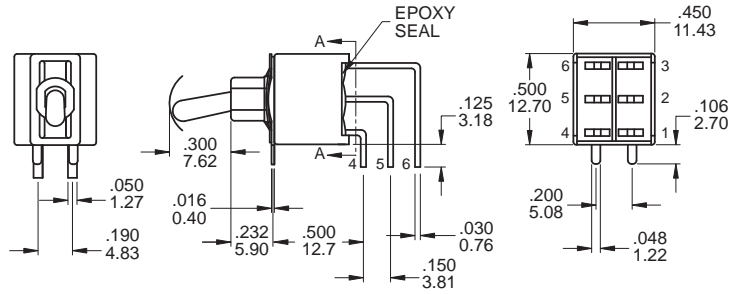
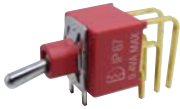
SPDT

1A Series

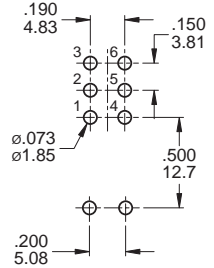
Sealed Miniature Toggle Switches

1A
Toggle Switches

M7



P.C. MOUNTING

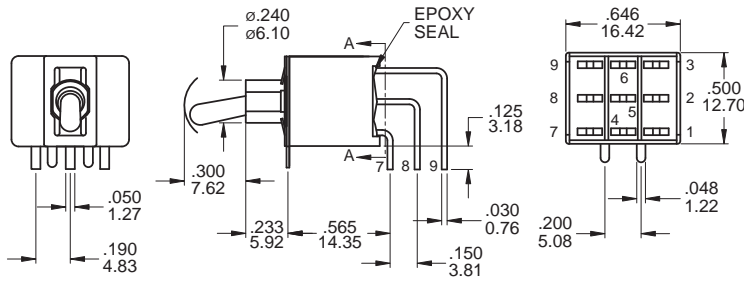


SECTION A-A
TERM. NOS. FOR
REFERENCE ONLY

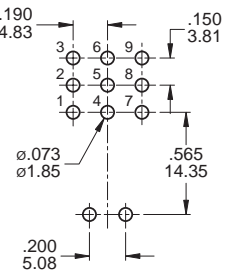
DPDT

Part No. Shown : 1AD1T2B4M7RES

M7



P.C. MOUNTING

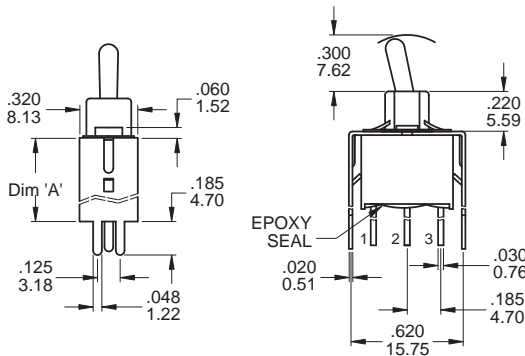


SECTION A-A
TERM. NOS. FOR
REFERENCE ONLY

3PDT

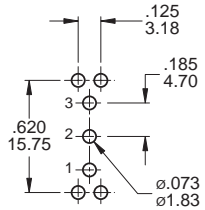
Part No. Shown : 1A31T2B4M7QES

VS2 - VS3



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

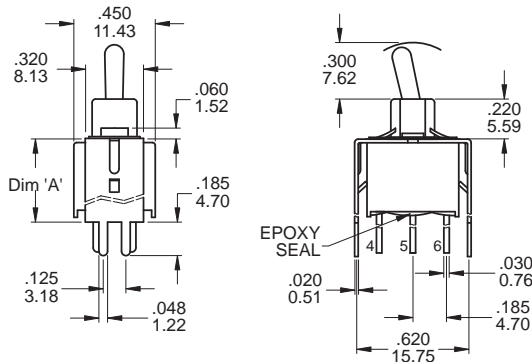
P.C. MOUNTING



SPDT

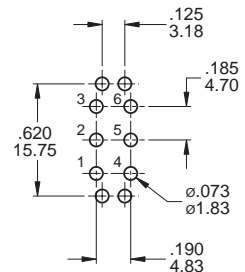
Part No. Shown : 1AS1T2B4VS2QES

VS2 - VS3



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

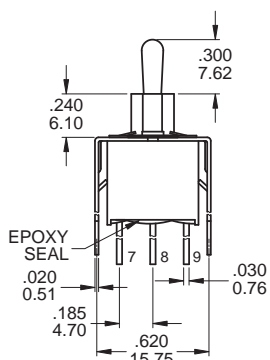
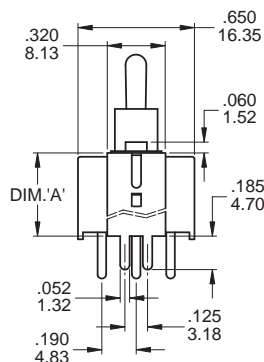
P.C. MOUNTING



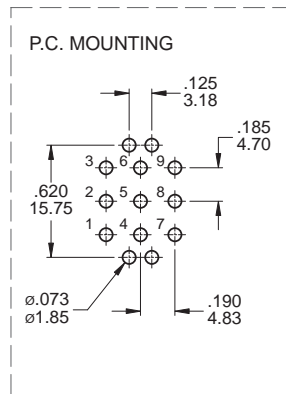
DPDT

Part No. Shown : 1AD1T2B4VS2QES

VS2 - VS3



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



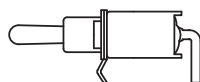
3PDT

Part No. Shown : 1A31T2B4VS2QES

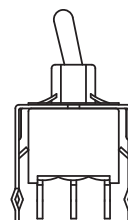


SNAP-IN TERMINATION OPTIONS

M6N

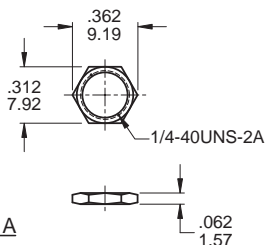


V2N

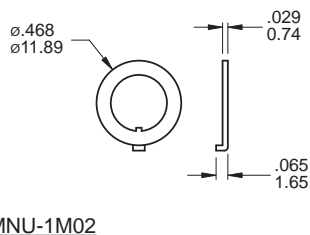


HARDWARE

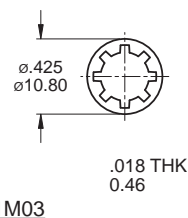
1/4 NUT



LOCKING RING



LOCKWASHER



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
C	Gold over Silver	C = Gold over silver	
R	Gold	R = 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 5 sec. (PCB is 1.6mm in thickness)

1A Series

Sealed Toggle Switches

SPECIFICATIONS

CONTACT RATING: 0.4Volt-Amps(VA) max.@20V max(AC or DC)

MECHANICAL LIFE: 100,000 make-and-break cycles.

ELECTRICAL LIFE: 50,000 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 V RMS@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

GENERAL SPECIFICATIONS

TORQUE: 0.8Nm max. applied to unt.

PANEL THICKNESS: 6mm max. ,2mm min.

MATERIALS

CASE & BUSHING: Glass filled nylon 6/6, flame retardant, heat stabilized (UL94v-0).

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

SWITCH SUPPORT: Brass or steel, tin plated.

CONTACT / TERMINALS: Copper alloy, gold plated.

SEALIND: IP67.

IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

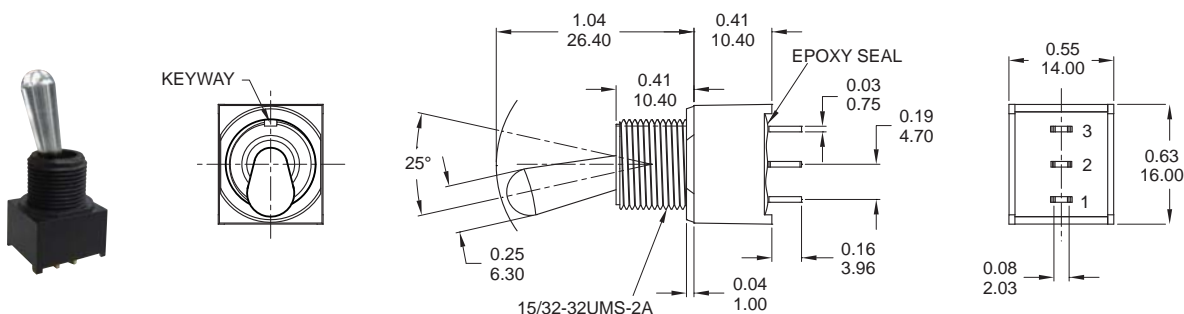


SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	1AS1	ON	NONE	ON	2-3	N/A	2-1
	1AS2	ON	NONE	MOM			
	1AS3	ON	OFF	ON			
	1AS4	MOM	OFF	MOM		OPEN	
	1AS5	ON	OFF	MOM			
	1AS9	ON	NONE	OFF	2-3	N/A	OPEN
	1ASD	MOM	NONE	OFF			

MOM=MENTORY

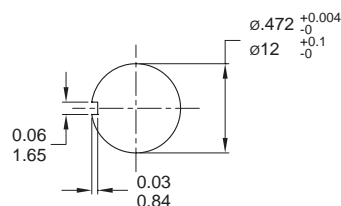
M1



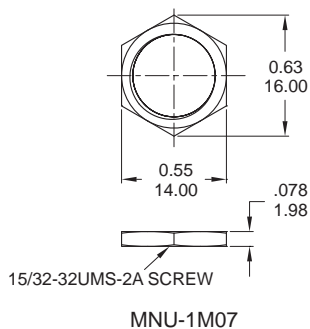
Part No. Shown : 1AS1T8B22M1RPES

PANEL MOUNTING / HARDWARE

PANEL MOUNTING



NUT



SEALING BOOTS

