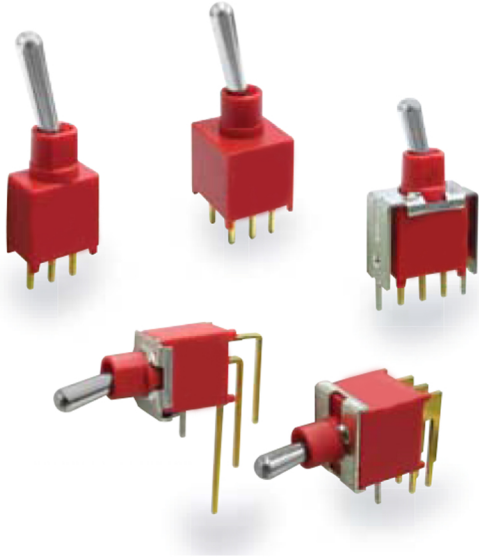


RJS ELECTRONICS LTD

2A

Sealed Sub-Miniature Toggle Switches



SPECIFICATIONS

- CONTACT RATING:** Dependent upon contact material
- MECHANICAL LIFE:** 30,000 make-and-break cycles.
- CONTACT RESISTANCE:** 20 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 & BUSHING:** Glass filled nylon 6/6, flame retardant, heat stabilized (UL94v-0).
- ACTUATOR:** Brass, chrome plated, internal O-ring seal.
Standard for all actuators.
- SWITCH SUPPORT:** Brass, tin plated.
- CONTACT / TERMINALS:** Copper alloy with Silver or gold plated.

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

UL US
E 187490

RoHS
compliant

lead-free

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	Q22A11	2AS1	ON	NONE	ON	2-3	N/A	2-1
	Q22A12	2AS2	ON	NONE	MOM			
	Q22A13	2AS3	ON	OFF	ON			
	Q22A14	2AS4	MOM	OFF	MOM		OPEN	
	Q22A15	2AS5	ON	OFF	MOM			
	Q22A16	2AS6	OFF	NONE	ON	OPEN	N/A	3-1
DP	Q22A21	2AD1	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4
	Q22A22	2AD2	ON	NONE	MOM			
	Q22A23	2AD3	ON	OFF	ON			

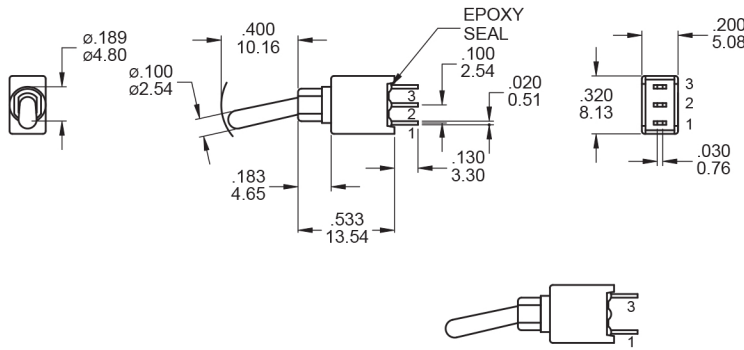
MOM=MOMENTARY



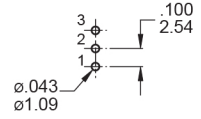
2A
Toggle Switches

POLE OPTIONS

M2



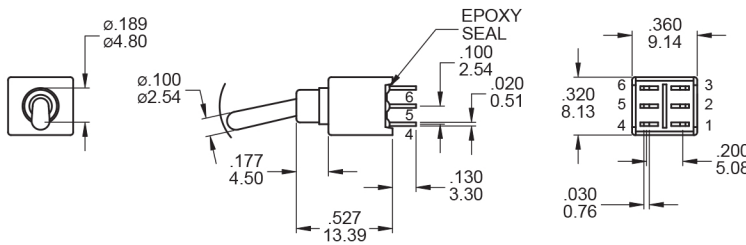
P.C. MOUNTING



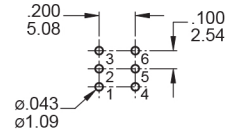
SPDT

2AS6 Models : Omit 2nd terminal

M2



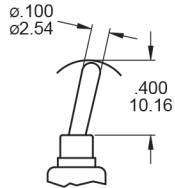
P.C. MOUNTING



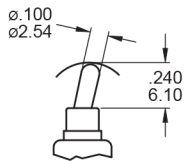
DPDT

ACTUATOR OPTIONS

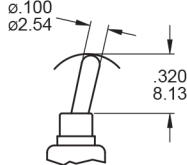
T1



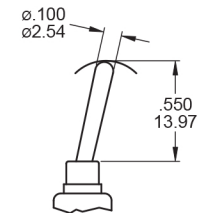
T2



T3

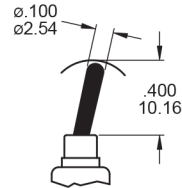


T4

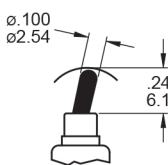


Actuator shown with A1 Bushing,
sub .020 (0.50) for A3 Bushing.

TA



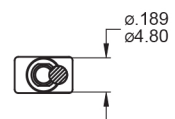
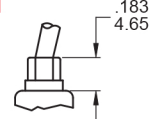
TB



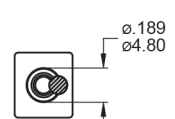
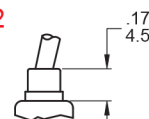
PLASTIC ACTUATOR

BUSHING OPTIONS

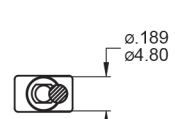
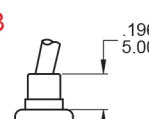
A1



A2



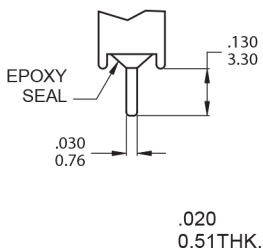
A3



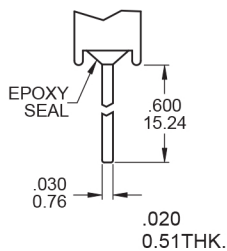
A1, A3 FOR SPDT / A2 FOR DPDT

TERMINATION OPTIONS

M2



M5



OTHER TERMINATION OPTIONS

M6 Right angle P.C. Mount

M6N Right angle P.C. Mount
Snap-in bracket

M7 Vertical right angle P.C. Mount

M7N Vertical right angle P.C. Mount
Snap-in bracket

VS2 Vertical bracket P.C. Mount

2A

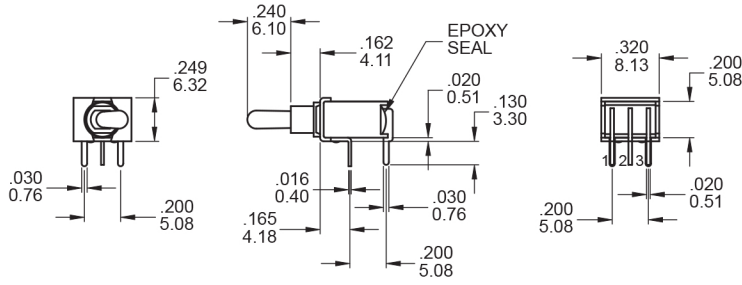


2A
Toggle Switches

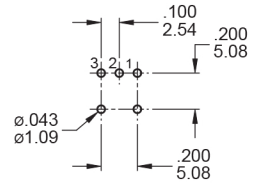


2A
Toggle Switches

M6

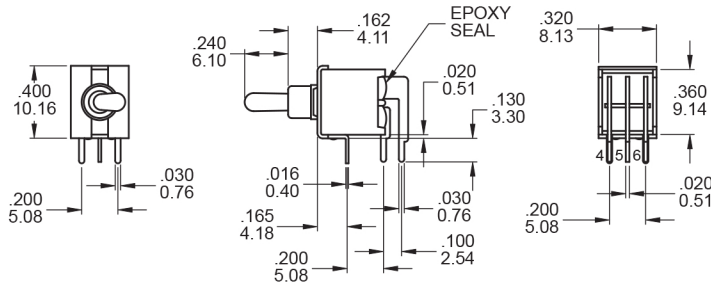
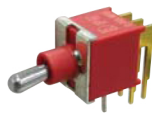


P.C. MOUNTING

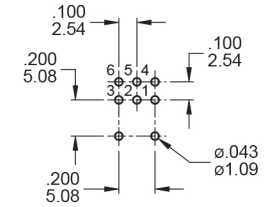


SPDT

M6

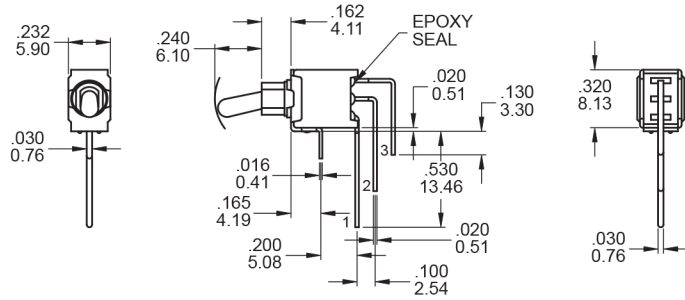


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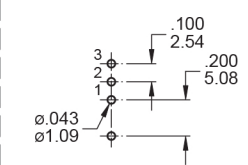


DPDT

M7

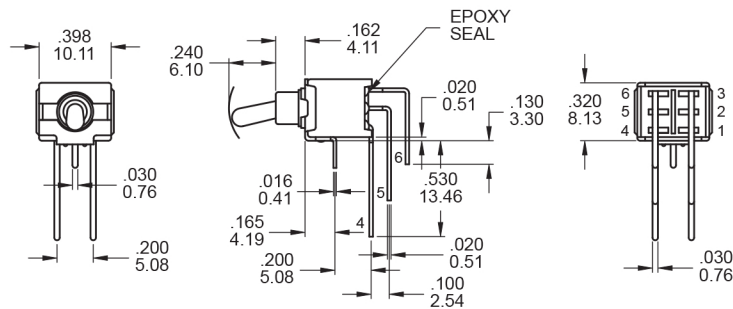


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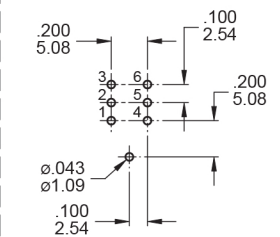


SPDT

M7

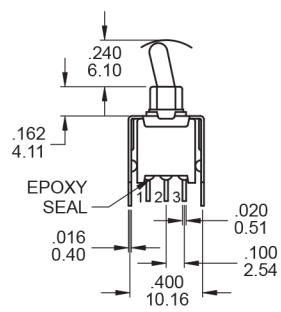
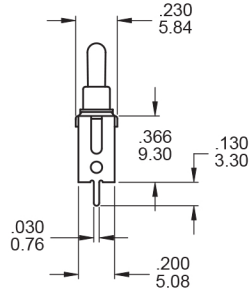


P.C. MOUNTING

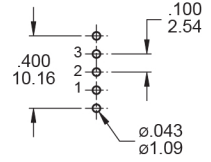


DPDT

VS2

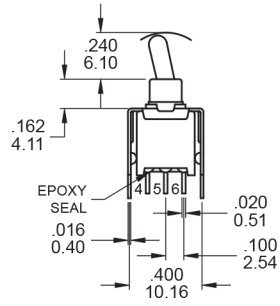
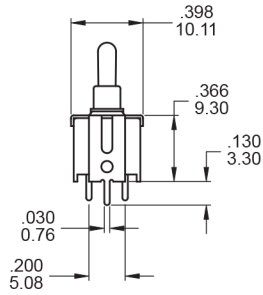


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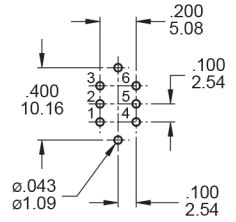


SPDT

VS2



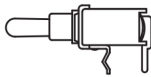
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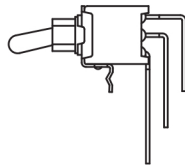
DPDT

SNAP-IN TERMINATION OPTIONS

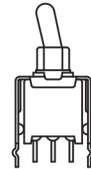
M6N



M7N



V2N



CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 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)