

SPECIFICATIONS

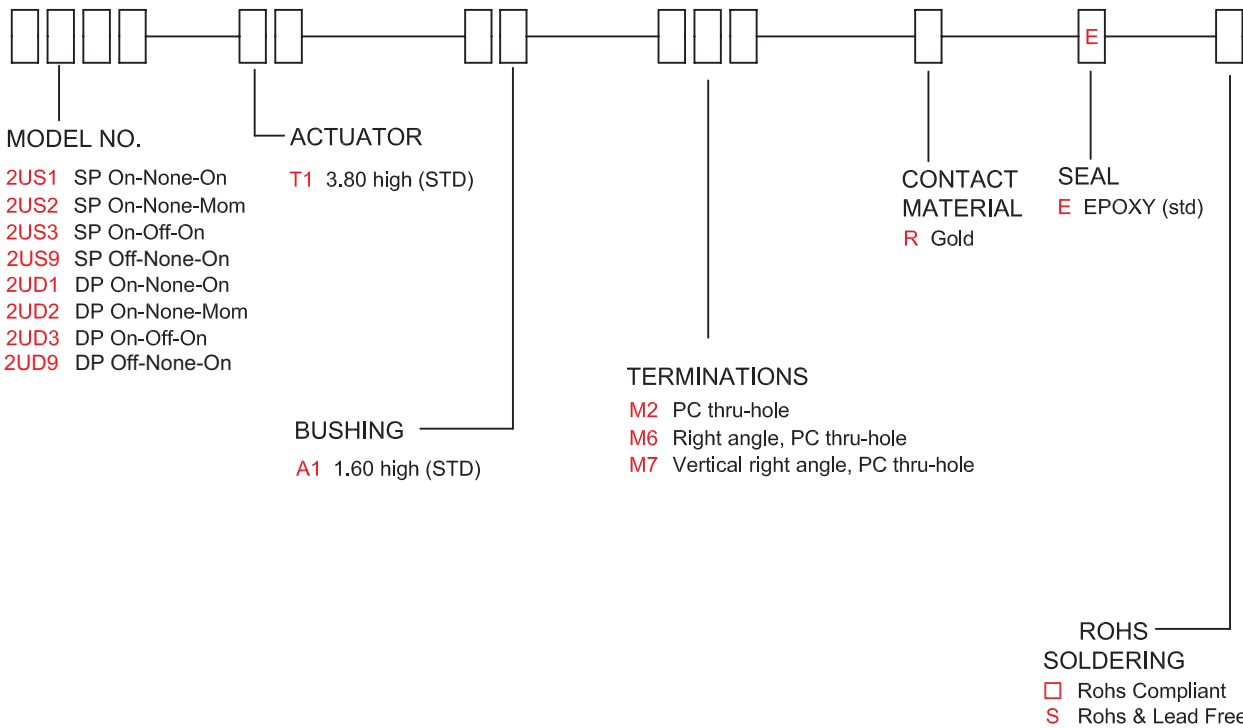
MECHANICAL LIFE: 40,000 make-and-break cycles.
CONTACT RATING: 0.4 VA max. @ 20 V AC or DC max.
CONTACT RESISTANCE: Below 100 mΩ typ. initial @ 2-4 V DC, 100mA.
INSULATION RESISTANCE: 500MΩ min.
DIELECTRIC STRENGTH: 500 V RMS@sea level.
OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

HOUSING AND BASE: Glass filled nylon 66 or 4/6 flame retardant, heat stabilized (UL 94V-0)
ACTUATOR: Glass filled nylon 6/6, flame retardant, heat stabilized (UL94V-0), with standard internal o-ring seal.
SWITCH SUPPORT: Steel, with nickel plated.
CONTACTS/TERMINALS: Silver or gold plated copper alloy

HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	CONTACT MATERIAL	SEAL	ROHS SOLDERING
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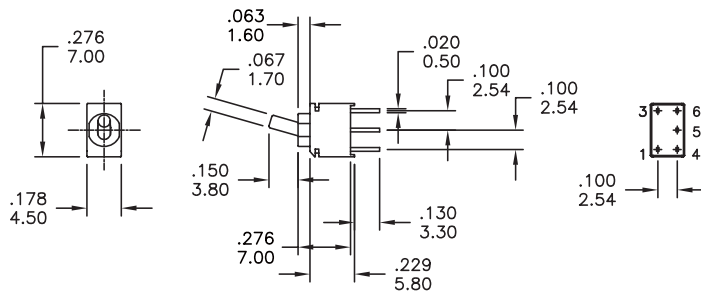
SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	2US1	ON	NONE	ON	5-6	N/A	5-4
	2US2	MOM	NONE	ON		OPEN	
	2US3	ON	OFF	ON			
	2US9	OFF	NONE	ON	OPEN	N/A	4-6
DP	2UD1	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4
	2UD2	MOM	NONE	ON		OPEN	
	2UD3	ON	OFF	ON			
	2UD9	OFF	NONE	ON	OPEN	N/A	

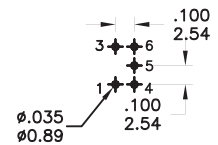
MOM=MOMENTARY

2U Sealed Ultraminiature Toggle Switches

M2



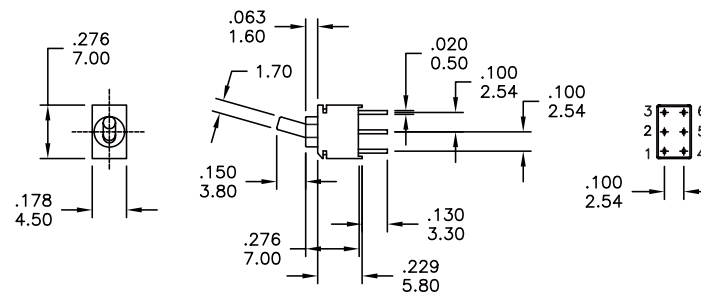
P.C. MOUNTING



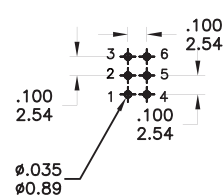
SPDT

Part No. Shown : 2US1T1A1M2RE

M2



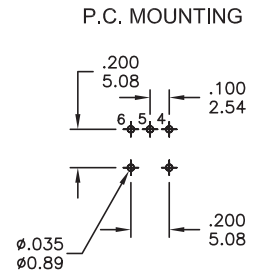
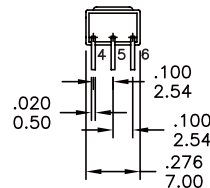
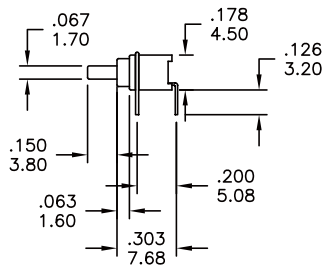
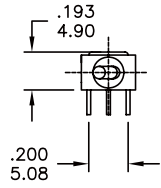
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DPDT

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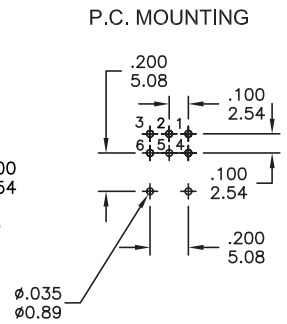
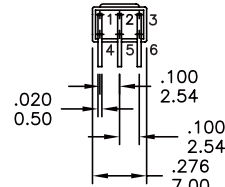
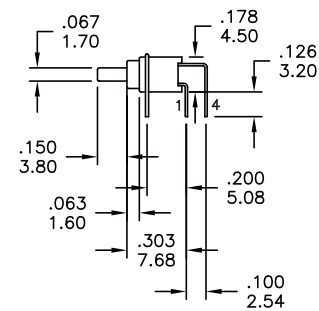
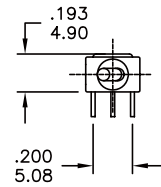
M6



SPDT

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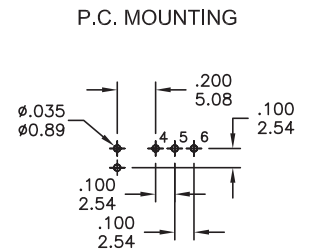
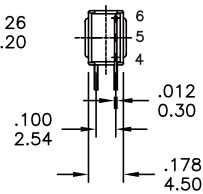
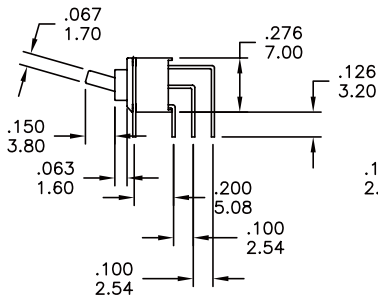
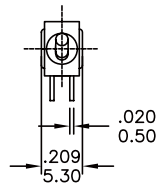
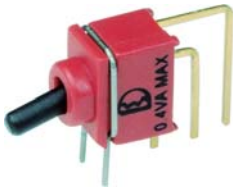
M6



DPDT

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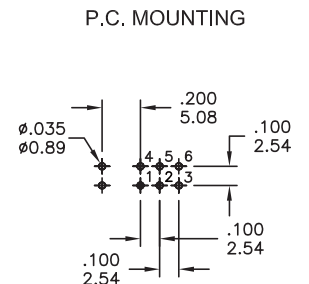
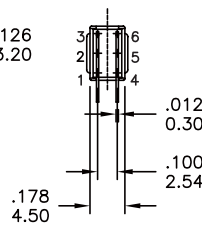
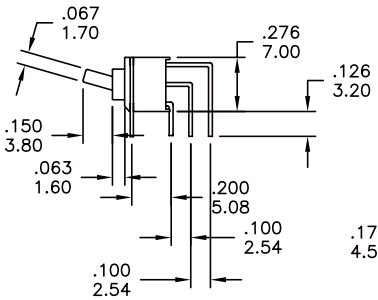
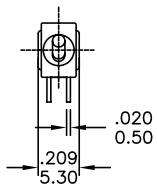
M7



SPDT

Part No. Shown : 2US1T1A1M7RE

M7



DPDT

Part No. Shown : 2UD1T1A1M7RE



IP 67

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

SOLDERING PROCESSES

WAVE SOLDERING : Recommended Soldering Temperature: $260 \pm 5^{\circ}\text{C}$
Duration of Solder Immersion: 5 ± 1 seconds
(PCB is 1.6mm in thickness)

SOLDERING : Vapor phase

Temperature Profile

Zone	Room temperature	Time (Sec)
Pre-heat (A)	150°C	Min 120s
Soak (B)	$180^{\circ}\text{C} \sim 200^{\circ}\text{C}$	Min 150s
Peak (C)	$200^{\circ}\text{C} \sim 235^{\circ}\text{C}$	Min 30s
Peak (D)	$235^{\circ}\text{C} \sim 260^{\circ}\text{C}$	Min 40s
Peak (E)	260°C	Max 10s

