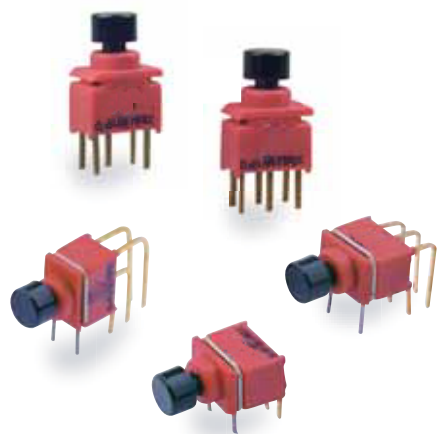


SP8U Series

Sealed-Ultraminiature Pushbutton Switches



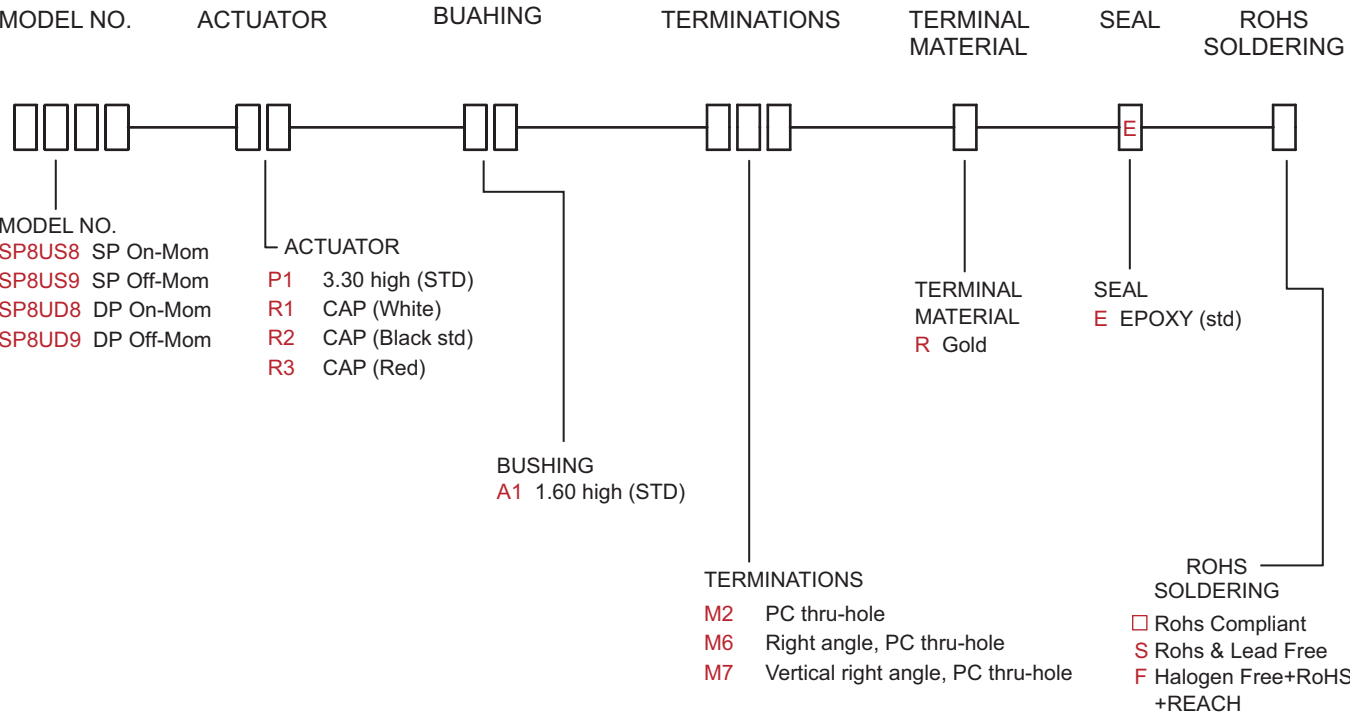
SPECIFICATIONS

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

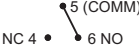
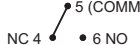
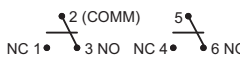
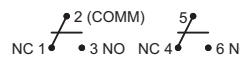
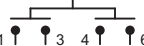
MATERIALS

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

HOW TO ORDER



SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
		POS.1	POS.2	POS.1	POS.2
					
SP	SP8US8	ON	MOM	5-6 	5-4 
	SP8US9	OFF	MOM	OPEN 	4-6 
DP	SP8UD8	ON	MOM	2-3,5-6 	2-1,5-4 
	SP8UD9	OFF	MOM	OPEN 	1-3,4-6 

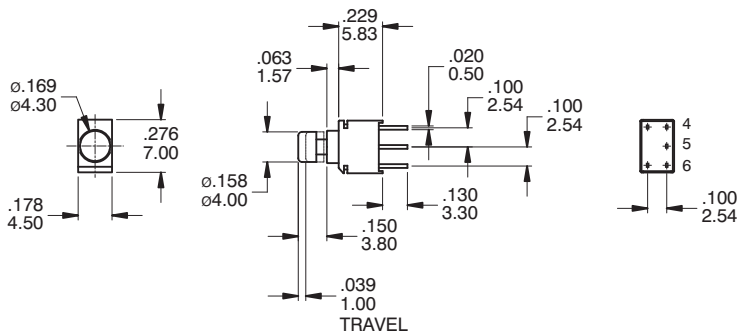
MOM=MOMENTARY

M2

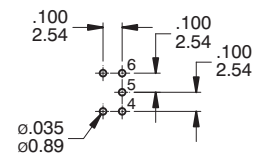


SPDT

Part No. Shown : SP8US8R2A1M2RE



P.C. MOUNTING

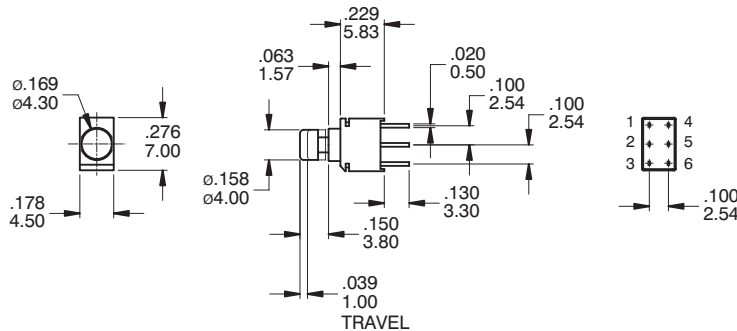


M2

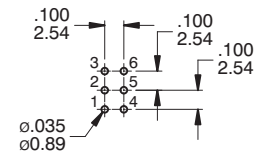


DPDT

Part No. Shown : SP8UD8R2A1M2RE



P.C. MOUNTING

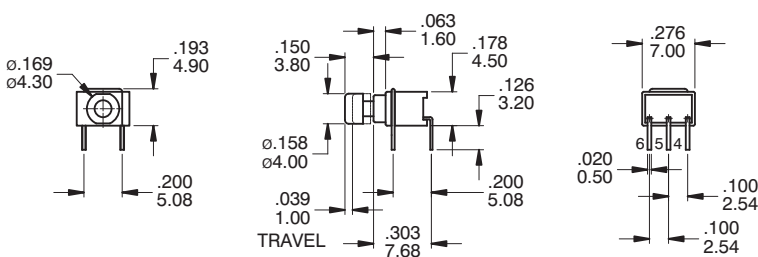


M6

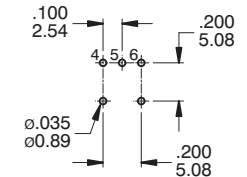


SPDT

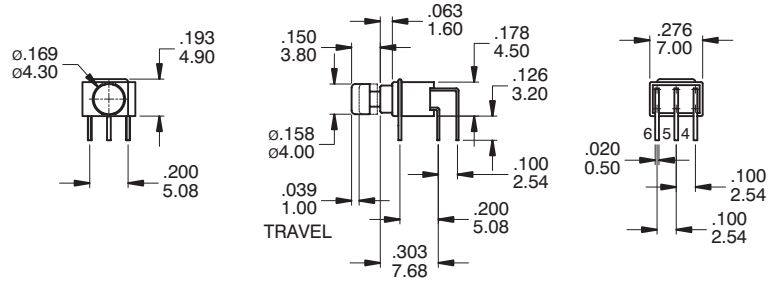
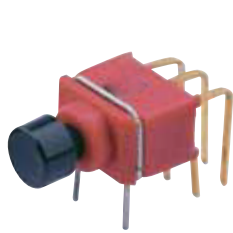
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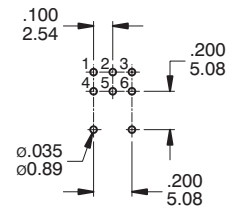
P.C. MOUNTING



M6



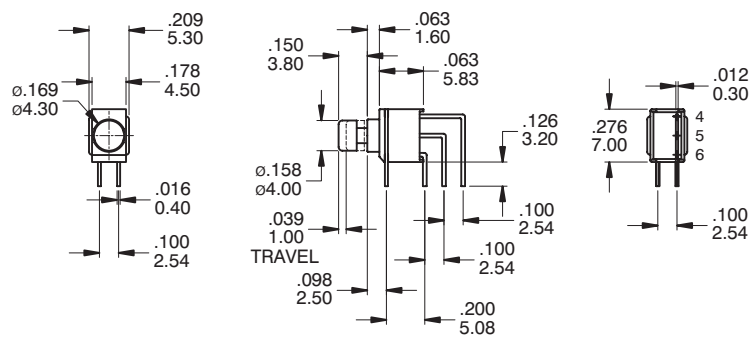
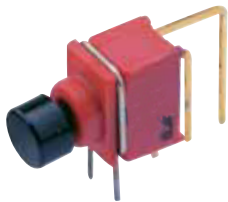
P.C. MOUNTING



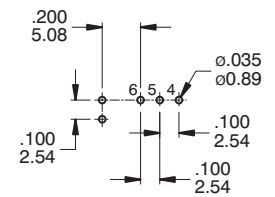
DPDT

Part No. Shown : SP8UD8R2A1M6RE

M7



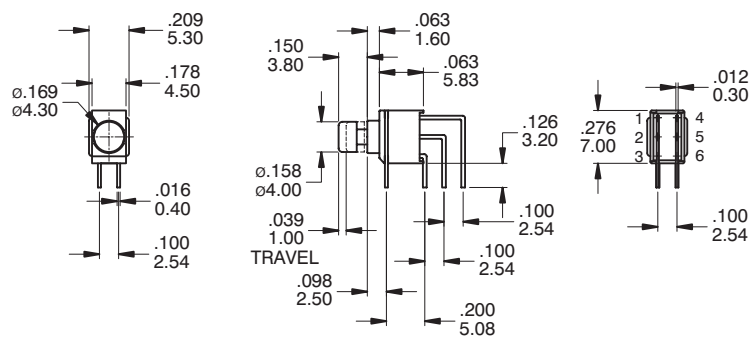
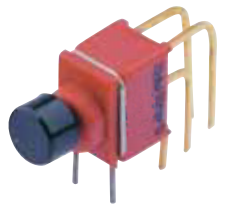
P.C. MOUNTING



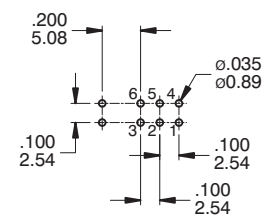
SPDT

Part No. Shown : SP8US8R2A1M7RE

M7



P.C. MOUNTING



DPDT

Part No. Shown : SP8UD8R2A1M7RE



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°C ~ 200°C	Min 150s
Peak (C)	200°C ~ 235°C	Min 30s
Peak (D)	235°C ~ 260°C	Min 40s
Peak (E)	260°C	Min 10s

