



### SPECIFICATIONS

**CONTACT RATING:** 0.4 VA max. @ 20 V AC or DC max.

**MECHANICAL LIFE:** 40,000 make-and-break cycles.

**CONTACT RESISTANCE:** **Below** 100 mΩ typ. initial @ 2-4VDC, 100mA.

**INSULATION RESISTANCE:** 500 MΩ min.

**DIELECTRIC STRENGTH:** 500 Vrms min. @ 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, with Sn plate.

**CONTACTS/TERMINALS:** Gold plated copper alloy.

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













### HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	TERMINAL MATERIAL	SEAL	RoHS SOLDERING
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Model NO.	Actuator	Bushing		Terminal material	Seal	RoHS soldering
8US8 SP On-Mom.	W1 3.30 high (STD)	C2 1.60 high (STD)		R Gold	E EPOXY (std)	
8UD8 DP On-Mom.	WR1 CAP (White)					
8US9 SP Off-Mom.	WR2 CAP (Black std)					
8UD9 DP Off-Mom.	WR3 CAP (Red)					
			Terminations			
			M2 PC thru-hole			
			M6 Right angle, PC thru-hole			
			M7 Vertical right angle, PC thru-hole			
						RoHS soldering
						□ RoHS Compliant
						S RoHS & Lead Free

## Sealed Ultraminiature Pushbutton Switches

## SWITCH FUNCTION

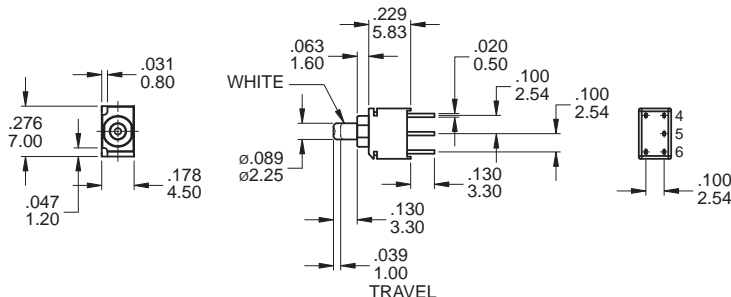
NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
		POS.1	POS.2	POS.1	POS.2
					
SP	8US8	ON	MOM	5-6  5 (COMM) NC 4 • 6 NO	5-4  5 (COMM) NC 4 • 6 NO
	8US9	OFF	MOM	OPEN	4-6  4 • 6
DP	8UD8	ON	MOM	2-3,5-6  2 (COMM) 3 NO NC 4 • 5 NC 1 • 3 NO NC 4 • 6 NO	2-1,5-4  2 (COMM) 1 NO NC 3 • 5 NC 1 • 3 NO NC 4 • 6 NO
	8UD9	OFF	MOM	OPEN	1-3,4-6  1 • 3 4 • 6

MOM=MOMENTARY

## POLE OPTIONS

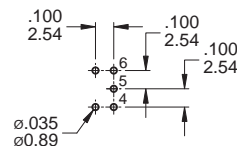


M2

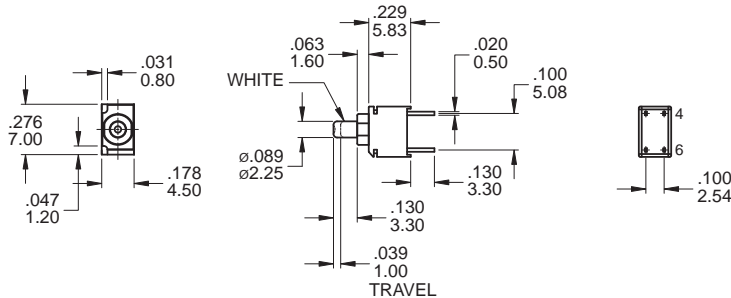


Part No. Shown : 8US8W1C2M2RE

## P.C. MOUNTING

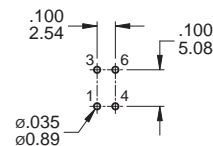


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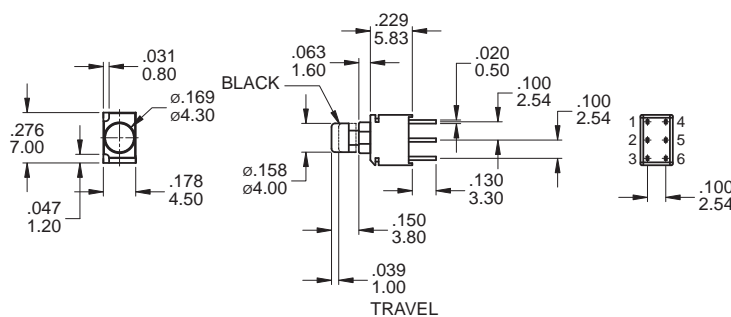


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## P.C. MOUNTING

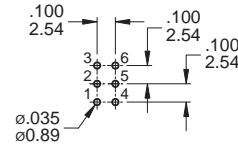


M2

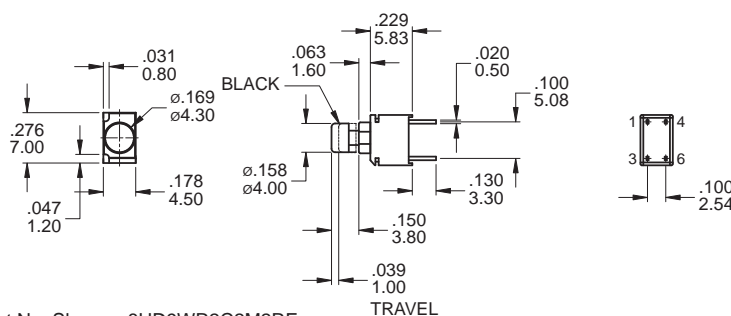


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## P.C. MOUNTING

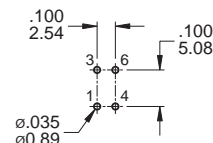


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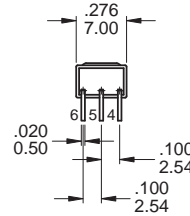
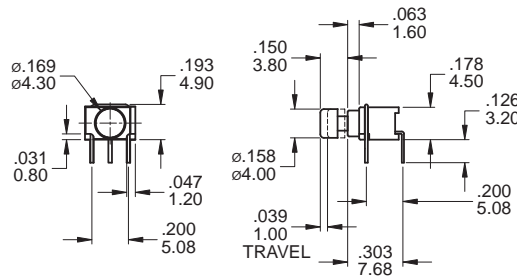


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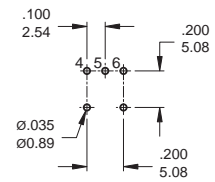
## P.C. MOUNTING



M6



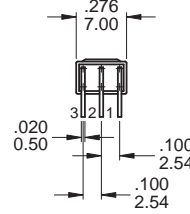
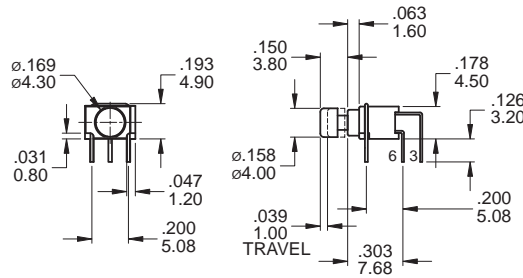
P.C. MOUNTING



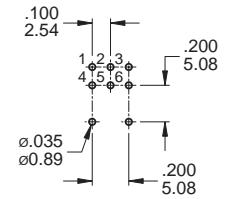
SPDT

Part No. Shown : 8US8WR2C2M6RE

M6



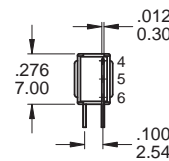
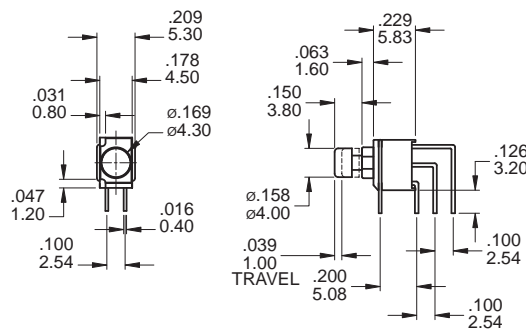
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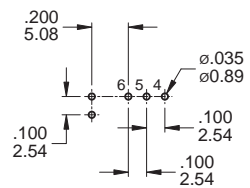
DPDT

Part No. Shown : 8UD8WR2C2M6RE

M7



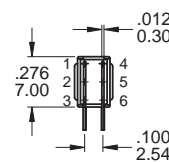
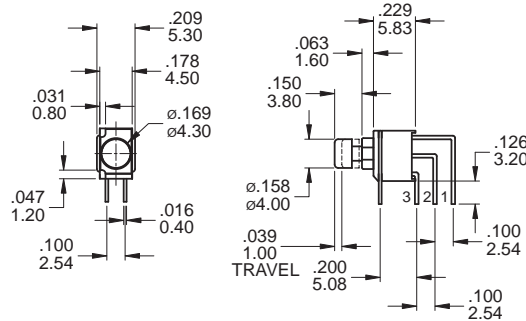
P.C. MOUNTING



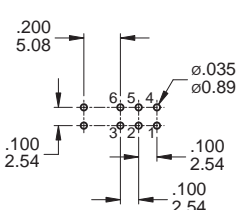
SPDT

Part No. Shown : 8US8WR2C2M7RE

M7



P.C. MOUNTING



DPDT

Part No. Shown : 8UD8WR2C2M7RE

## SOLDERING PROCESSES

WAVE SOLDERING: Recommended Soldering Temperature:  $260 \pm 5^{\circ}\text{C}$

Duration of Solder Immersion: Max 5 sec.(PCB is 1.6mm in thickness)