8U Series

Sealed Ultraminiature Pushbutton Switches

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

RoHS compliant

lead-free

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.
CONTACT: Phosphor bronze,Gold plated.
TERMINALS: Brass,Gold plated.

HOW TO ORDER

MODEL NO. | ACTUATOR | HOUSING | TERMINATIONS | TERMINAL MATERIAL | SEAL | RoHS SOLDERING

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Model NO.
- 8US8 SP On-Mom.
- 8UD8 DP On-Mom.
- 8US9 SP Off-Mom.
- 8UD9 DP Off-Mom.

Actuator
- W1 3.30 high (STD)
- WR1 CAP (White)
- WR2 CAP (Black std)
- WR3 CAP (Red)

Housing
- C2 1.60 high (STD)

Terminal material
- R Gold

Seal
- E EPOXY (std)

RoHS soldering
- S RoHS & Lead Free

Terminations
- M2 PC thru-hole
- M6 Right angle, PC thru-hole
- M7 Vertical right angle, PC thru-hole

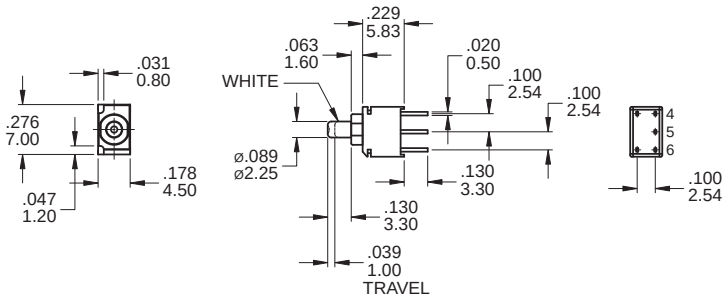
SWITCH FUNCTION

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), NC 1, 3 NO, 5, NC 4, 6 NO)	2-1,5-4 (2 (COMM), NC 1, 3 NO, 5, NC 4, 6 NO)
	8UD9	OFF	MOM	OPEN	1-3,4-6 (1, 3, 4, 6)

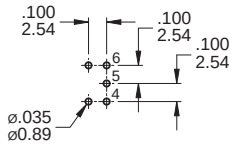
MOM=MOMENTARY

POLE OPTIONS

M2



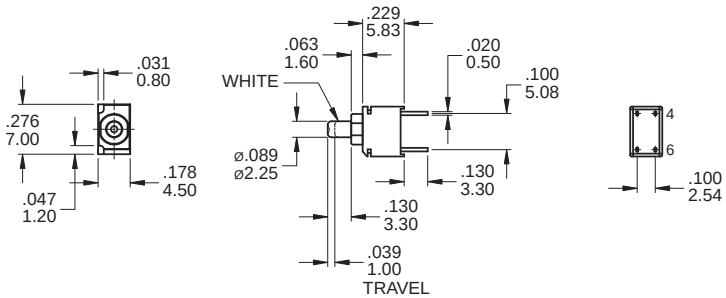
P.C. MOUNTING



SPDT

Part No. Shown : 8US8W1C2M2RE

M2



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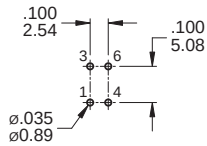
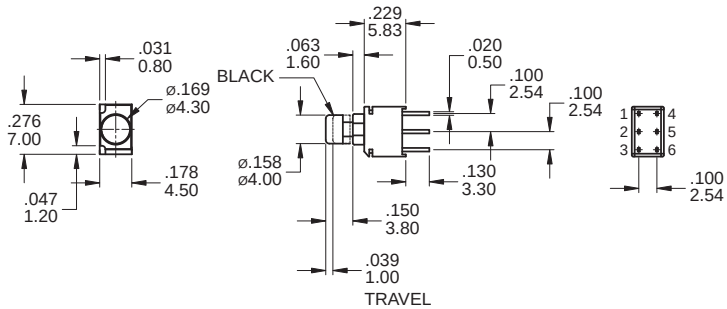


SPST

Part No. Shown : 8US9W1C2M2RE

M2



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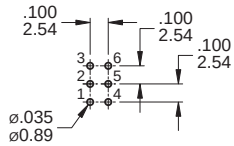

DPDT

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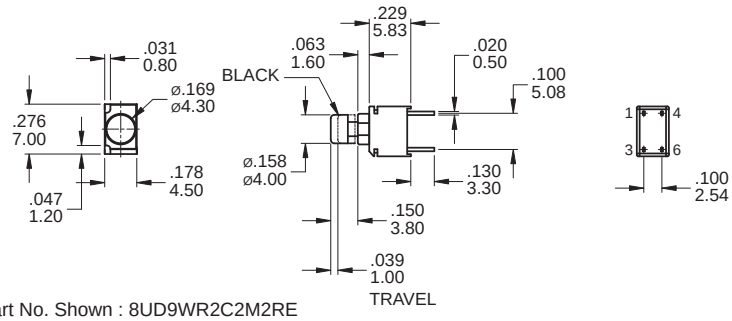
M2



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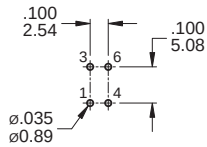

DPST

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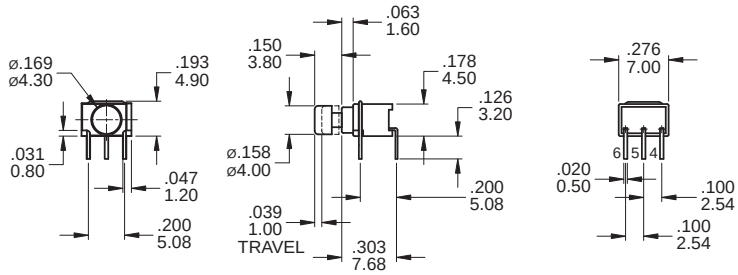
M6



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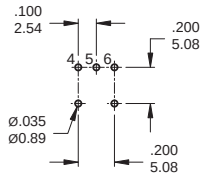
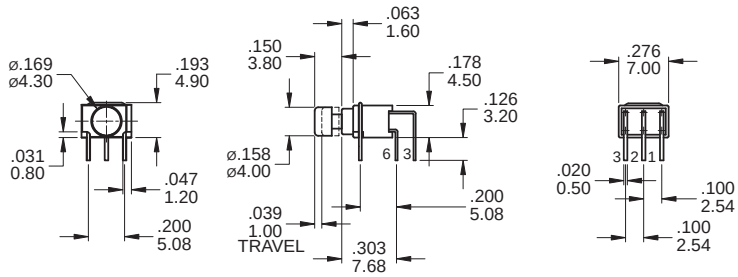


SPDT

Part No. Shown : 8US8WR2C2M6RE

M6



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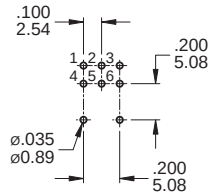
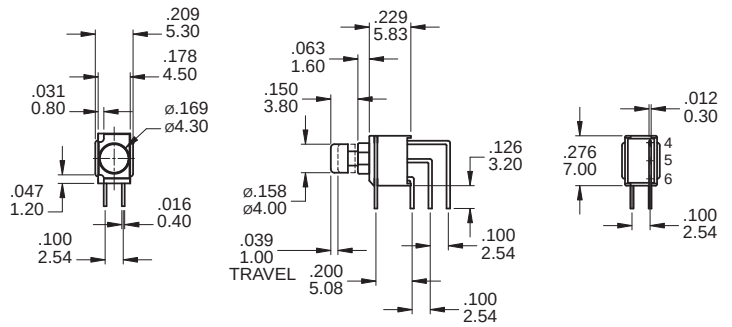


DPDT

Part No. Shown : 8UD8WR2C2M6RE

M7



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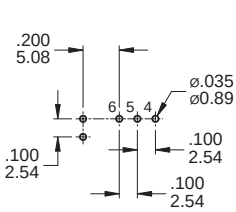

SPDT

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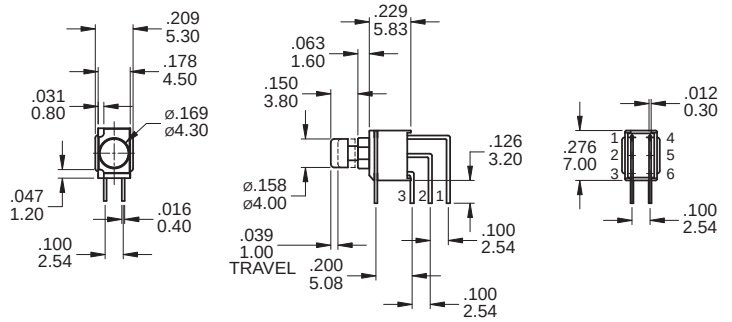
M7



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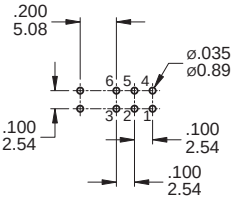

DPDT

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SOLDERING PROCESSES

WAVE SOLDERING: Recommended Soldering Temperature: 270 ± 5°C

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