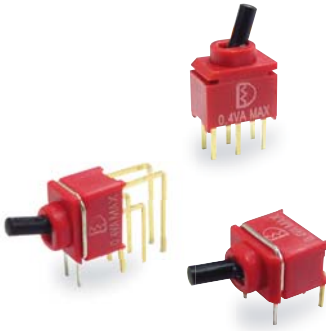




IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001



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, 100 mA.

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 plated.

CONTACT: Phosphor bronze, Gold plated.

TERMINALS: Brass, Gold plated.

HOW TO ORDER

MODEL NO.	ACTUATOR	HOUSING	TERMINATIONS	TERMINAL MATERIAL	SEAL	ROHS SOLDERING
Model No. 2US1 SP ON-NONE-ON 2US3 SP ON-OFF-ON 2US9 SP OFF-NONE-ON 2UD1 DP ON-NONE-ON 2UD3 DP ON-OFF-ON 2UD9 DP OFF-NONE-ON	Actuator T1 3.80×1.70(STD) T29 3.80×2.00,Gray	Housing A1 1.60 high (STD) A2 1.60 high,Black	Terminations M2 PC thru-hole M6 Right angle, PC thru-hole M7 Vertical right angle, PC thru-hole MT1 SMT(STD) for SPDT only	Terminal material R Gold	Seal E EPOXY (std)	RoHS soldering S RoHS & Lead Free

NOTE: T29A2 type only for 2US1/2US3/2UD1/2UD3 function



2U Series

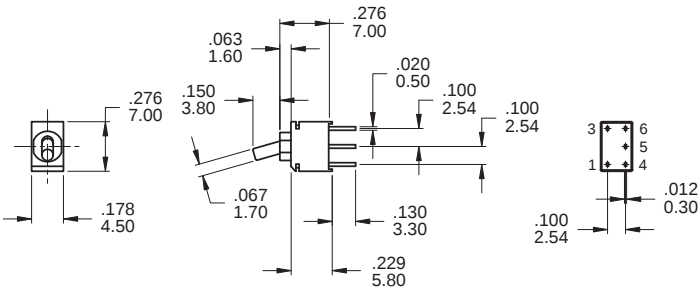
Sealed Ultraminiature Toggle Switches

SWITCH FUNCTION

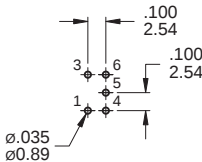
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	2US1	ON	NONE	ON	5-6	N/A	5-4
	2US3	ON	OFF	ON		OPEN	
	2US9	OFF	NONE	ON	OPEN	N/A	4-6
DP	2UD1	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4
	2UD3	ON	OFF	ON		OPEN	
	2UD9	OFF	NONE	ON	OPEN	N/A	

POLE OPTIONS

M2



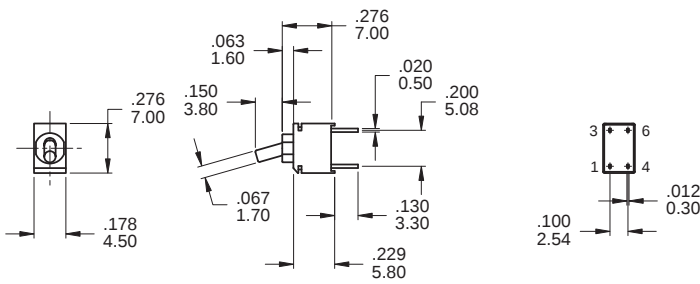
P.C. MOUNTING



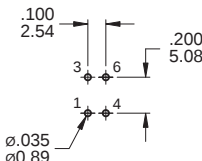
SPDT

Part No. Shown : 2US1T1A1M2RES

M2



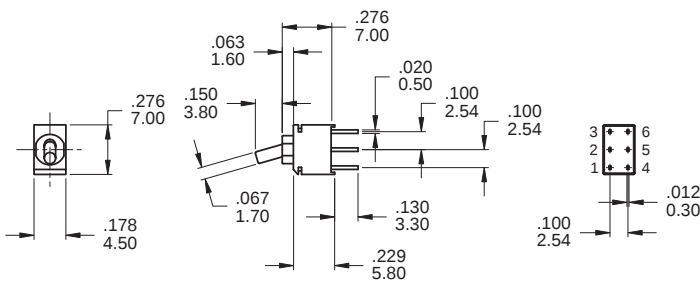
P.C. MOUNTING



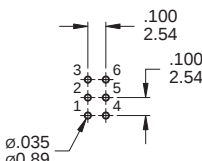
SPDT

Part No. Shown : 2US9T1A1M2RES

M2



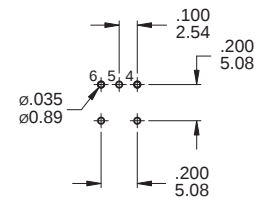
P.C. MOUNTING



DPDT

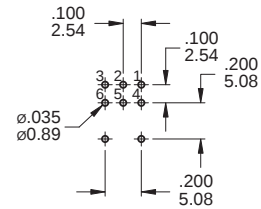
Part No. Shown : 2UD1T1A1M2RES

Sealed Ultraminiature Toggle Switches

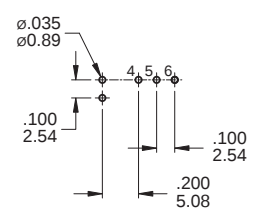


2U
Toggle Switches

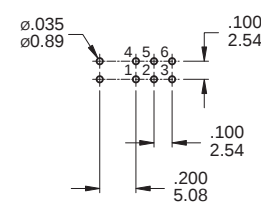
Part No. Shown : 2US1T1A1M6RES



Part No. Shown : 2UD1T1A1M6RES



Part No. Shown : 2US1T1A1M7RES



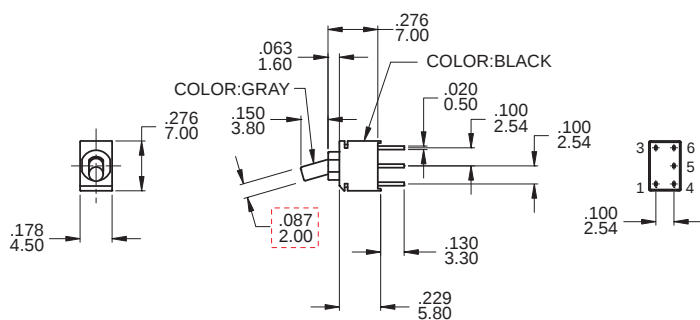
Part No. Shown : 2UD1T1A1M7RES

2U Series

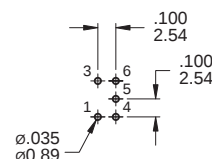
Sealed Ultraminiature Toggle Switches

* T29A2 type only for 2US1/2US3/2UD1/2UD3 function

M2



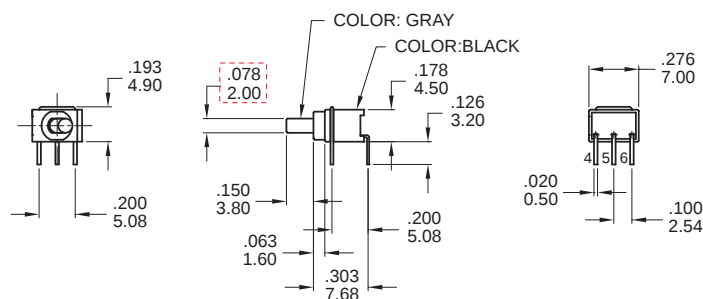
P.C. MOUNTING



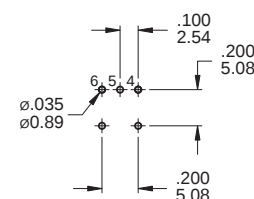
SPDT

Part No. Shown : 2US1T29A2M2RES

M6



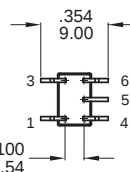
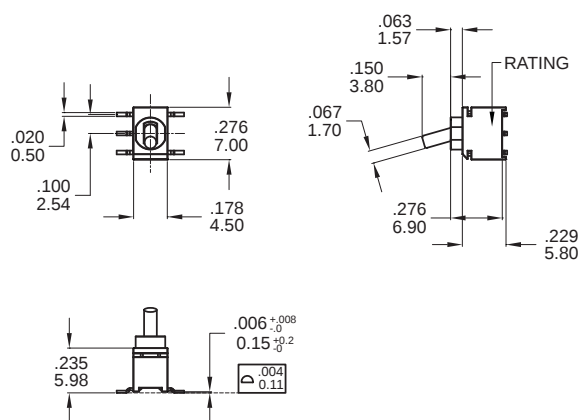
P.C. MOUNTING



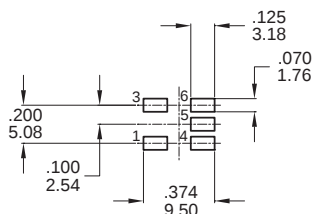
SPDT

Part No. Shown : 2US1T29A2M6RES

MT1



P.C. MOUNTING



SPDT

Part No. Shown : 2US1T1A1MT1RES

SOLDERING PROCESSES

WAVE SOLDERING:

Recommended Soldering Temperature: $270 \pm 5^\circ\text{C}$

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