

# Sealed Sub-Miniature Toggle Switches

**multicomp** PRO

**RoHS  
Compliant**

## Specifications

Contact Rating	: 0.4 Volt - Amps ( VA ) max. @ 20V max. (AC or DC)
Mechanical Life	: 30,000 make-and-break cycles.
Contact Resistance	: 20mΩ max. initial @ 2V DC to 4V DC 100mA for both silver and gold plated contacts.
Insulation Resistance	: 1,000 MΩ min.
Dielectric Strength	: 1,000 Vrms min.@sea level.
Operating Temperature	: -40°C to +85°C.

## Materials

Case & Bushing	: Glass filled nylon 6/6, flame retardant, heat stabilized (UL94v-0).
Actuator	: Brass, chrome plated, internal O-ring seal. Standard for all actuators.
Switch Support	: Brass, tin plated.
Contact / Terminals	: Copper alloy with Gold plated

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

## Switch Function

NO. POLES	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC				
	POS.1	POS.2	POS.3	POS.1	POS.2	POS.3		
SPDT	ON	NONE	ON	2-3	N/A	2-1		
	ON	NONE	(ON)			OPEN		
	ON	OFF	ON	(ON)		OFF	(ON)	
	(ON)	OFF	(ON)					
	ON	OFF	(ON)	OFF	NONE	ON	OPEN	N/A
DPDT	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4		
	ON	NONE	(ON)			OPEN		
	ON	OFF	ON	ON		OFF	ON	
(ON)	OFF	(ON)						
DPDT	ON	OFF	(ON)	2-3, 5-6	OPEN	2-1, 5-4		
	ON	OFF	(ON)	2-3, 5-6	OPEN	2-1, 5-4		
	ON	ON	ON					

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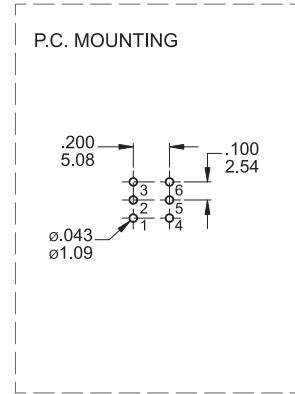
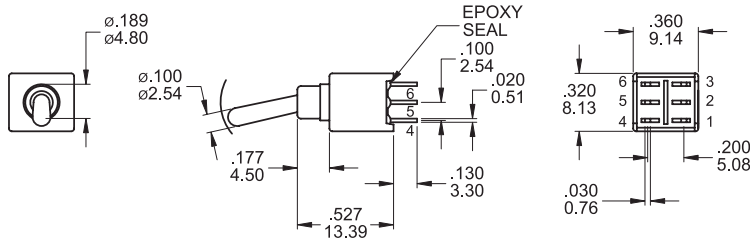
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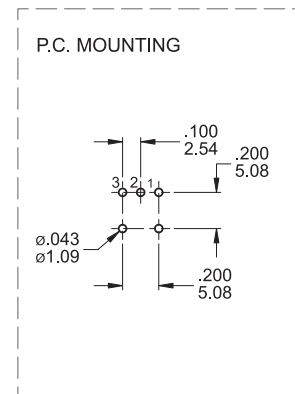
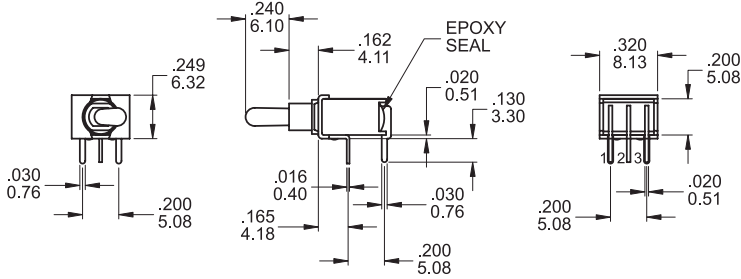
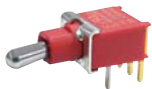
## Pole Options

### M2: PC Thru-hole



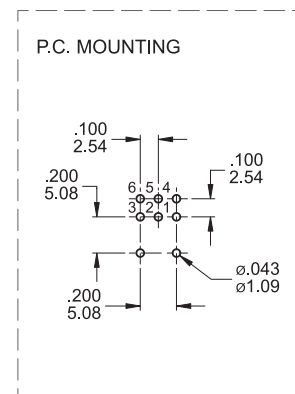
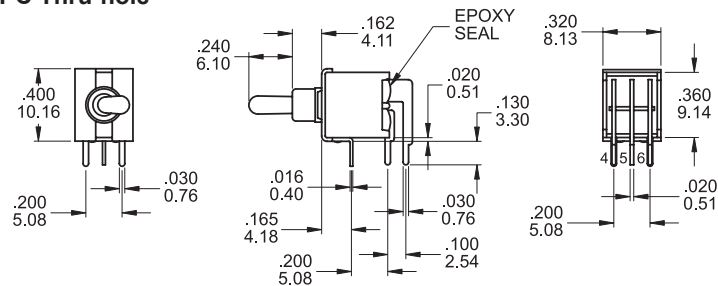
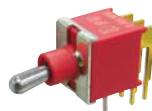
### DPDT

### M6: Right angle, PC Thru-hole



### SPDT

### M6: Right angle, PC Thru-hole



### DPDT

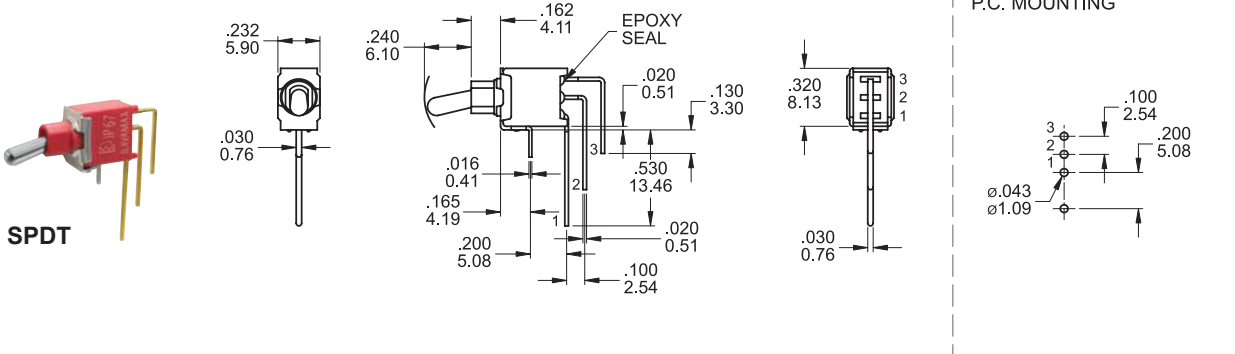
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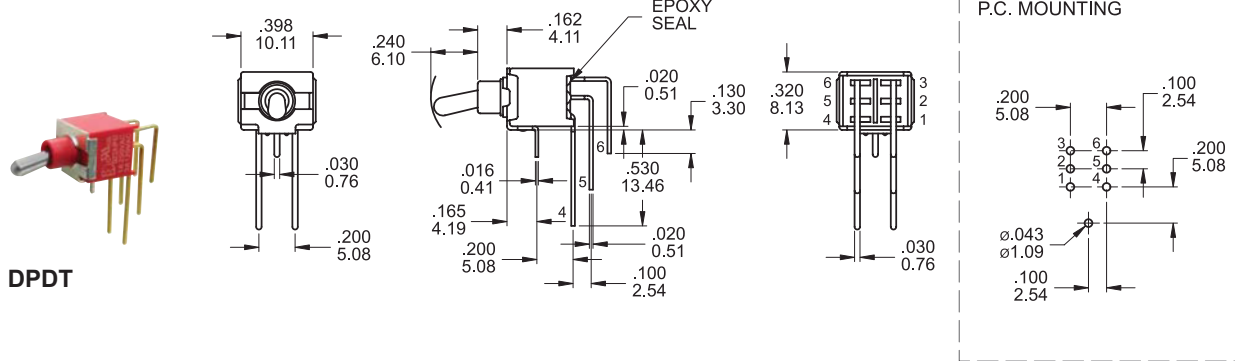
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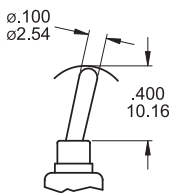
## M7: Vertical right angle, PC Thru-hole



## M7: Vertical right angle, PC Thru-hole

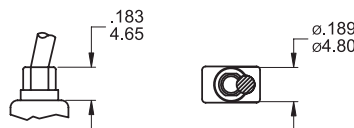


## 10.16 high Actuator

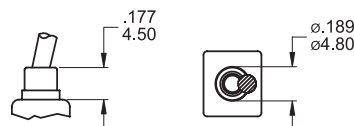


## Bushing Options

### A1: SPDT 4.65 high

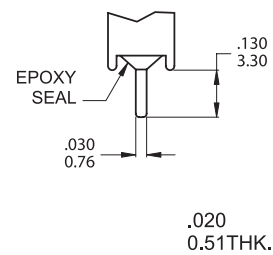


### A2: DPDT 4.50 high



## Termination Options

### M2: PC Thru-hole



## Other Termination Options

**M6:** Right Angle PC Thru-hole

**M7:** Vertical Right Angle PC Thru-hole

# Sealed Sub-Miniature Toggle Switches

## Part Number Table

Description	Bushing Options	Termination Options	Part Number
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-On, Vertical Through hole	A2	M2	MP004595
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-(On), Vertical Through hole	A2	M2	MP004596
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-On, Vertical Through hole	A2	M2	MP004597
Sealed Sub-Miniature Toggle Switch, DPDT, (On)-Off-(On), Vertical Through hole	A2	M2	MP004598
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-(On), Vertical Through hole	A2	M2	MP004599
Sealed Sub-Miniature Toggle Switch, DPDT, On-On-On, Vertical Through hole	A2	M2	MP004600
Sealed Sub-Miniature Toggle Switch, SPDT, On-None-On, R/A Through hole	A1	M6	MP004601
Sealed Sub-Miniature Toggle Switch, SPDT, On-None-(On), R/A Through hole	A1	M6	MP004602
Sealed Sub-Miniature Toggle Switch, SPDT, On-Off-On, R/A Through hole	A1	M6	MP004603
Sealed Sub-Miniature Toggle Switch, SPDT, (On)-Off-(On), R/A Through hole	A1	M6	MP004604
Sealed Sub-Miniature Toggle Switch, SPDT, On-Off-(On), R/A Through hole	A1	M6	MP004605
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-On, R/A Through hole	A2	M6	MP004606
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-(On), R/A Through hole	A2	M6	MP004607
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-On, R/A Through hole	A2	M6	MP004608
Sealed Sub-Miniature Toggle Switch, DPDT, (On)-Off-(On), R/A Through hole	A2	M6	MP004609
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-(On), R/A Through hole	A2	M6	MP004610
Sealed Sub-Miniature Toggle Switch, DPDT, On-On-On, R/A Through hole	A2	M6	MP004611
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-On, Vertical R/A Through hole	A2	M7	MP004617
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-(On), Vertical R/A Through hole	A2	M7	MP004618
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-On, Vertical R/A Through hole	A2	M7	MP004619
Sealed Sub-Miniature Toggle Switch, DPDT, (On)-Off-(On), Vertical R/A Through hole	A2	M7	MP004620
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-(On), Vertical R/A Through hole	A2	M7	MP004621
Sealed Sub-Miniature Toggle Switch, DPDT, On-On-On, Vertical R/A Through hole	A2	M7	MP004622
Sealed Sub-Miniature Toggle Switch, SPDT, On-None-On, R/A Through hole	A1	M6	MP004653
Sealed Sub-Miniature Toggle Switch, SPDT, On-None-On, Vertical R/A Through hole	A1	M7	MP004654
Sealed Sub-Miniature Toggle Switch, SPDT, On-Off-On, R/A Through hole	A1	M6	MP004655
Sealed Sub-Miniature Toggle Switch, SPDT, On-Off-On, Vertical R/A Through hole	A1	M7	MP004656
Sealed Sub-Miniature Toggle Switch, SPDT, On-None-(On), R/A Through hole	A1	M6	MP004657

# Sealed Sub-Miniature Toggle Switches

Description	Bushing Options	Termination Options	Part Number
Sealed Sub-Miniature Toggle Switch, SPDT, On-None-(On), Vertical R/A Through hole	A1	M7	MP004658
Sealed Sub-Miniature Toggle Switch, SPDT, (On)-Off-(On), R/A Through hole	A1	M6	MP004659
Sealed Sub-Miniature Toggle Switch, SPDT, (On)-Off-(On), Vertical R/A Through hole	A1	M7	MP004660
Sealed Sub-Miniature Toggle Switch, SPDT, On-Off-(On), R/A Through hole	A1	M6	MP004661
Sealed Sub-Miniature Toggle Switch, SPDT, On-Off-(On), Vertical R/A Through hole	A1	M7	MP004662
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-On, R/A Through hole	A2	M6	MP004663
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-On, Vertical R/A Through hole	A2	M7	MP004664
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-On, R/A Through hole	A2	M6	MP004665
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-On, Vertical R/A Through hole	A2	M7	MP004666
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-(On), R/A Through hole	A2	M6	MP004667
Sealed Sub-Miniature Toggle Switch, DPDT, On-None-(On), Vertical R/A Through hole	A2	M7	MP004668
Sealed Sub-Miniature Toggle Switch, DPDT, (On)-Off-(On), R/A Through hole	A2	M6	MP004669
Sealed Sub-Miniature Toggle Switch, DPDT, (On)-Off-(On), Vertical R/A Through hole	A2	M7	MP004670
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-(On), R/A Through hole	A2	M6	MP004671
Sealed Sub-Miniature Toggle Switch, DPDT, On-Off-(On), Vertical R/A Through hole	A2	M7	MP004672

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