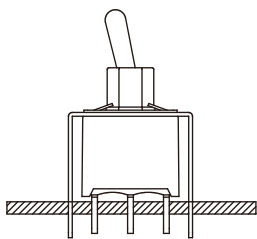
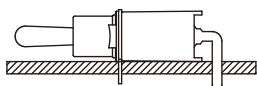


**SPECIFICATIONS:**

CONTACT RATING: Refer to "Contact Material Options" for more info.  
 ELECTRICAL LIFE: 50,000 make-and-break cycles at full load.  
 CONTACT RESISTANCE: 10mΩ max. initial @2-4VDC  
 100mA for both silver and gold plated contacts.  
 INSULATION RESISTANCE: 1,000MΩ Min.  
 DIELECTRIC STRENGTH: 1,500 V RMS @ sea level.  
 OPERATING TEMPERATURE: -30°C~+85°C.

**MATERIALS:**

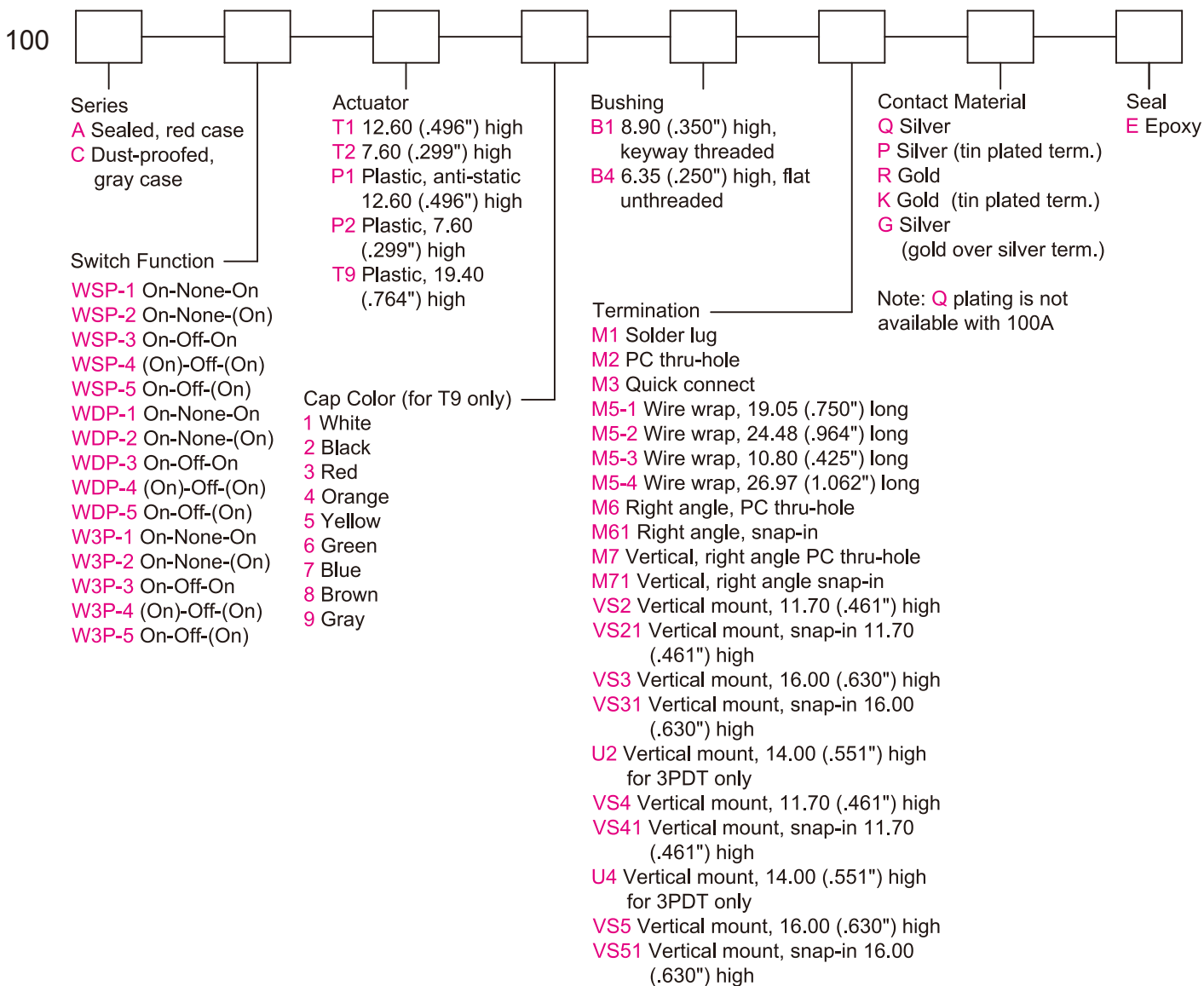
CASE & BUSHING: PA9T or FR52, flame retardant, heat stabilized (UL94V-0).  
 ACTUATOR: Brass chrome plated, internal o-ring sealed (100A).  
 ACTUATOR: Brass chrome plated (100C).  
 SWITCH SUPPORT: Brass, tin plated.  
 TERMINAL SEAL: Epoxy.



Specifications and Dimensions subject to change

If your preferred product configuration is not shown, please contact our sales representative for custom design.

**HOW TO ORDER SYSTEM**



# Series 100A/C

# (Sealed) Miniature Toggle Switches

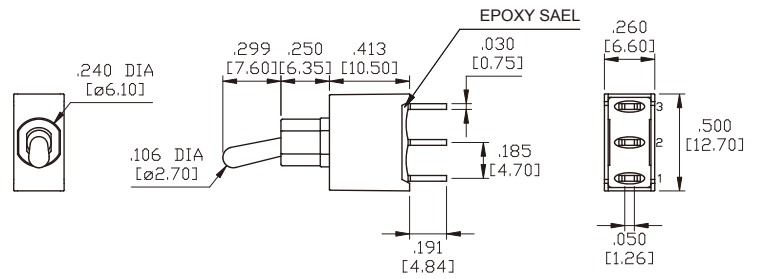
## SPDT



Model No.	Switching Position		
WSP-1	ON	NONE	ON
WSP-2	ON	NONE	(ON)
WSP-3	ON	OFF	ON
WSP-4	(ON)	OFF	(ON)
WSP-5	ON	OFF	(ON)
Term. Comm.	2-3	OPEN	2-1

Schematic

2Comm.

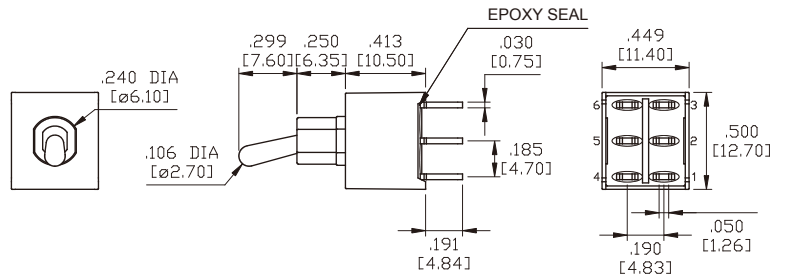


## DPDT

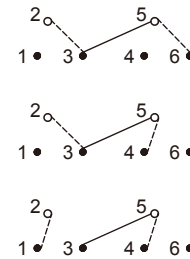
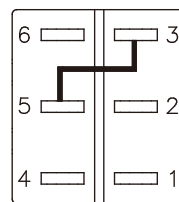
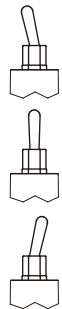


Model No.	Switching Position		
WDP-1	ON	NONE	ON
WDP-2	ON	NONE	(ON)
WDP-3	ON	OFF	ON
WDP-4	(ON)	OFF	(ON)
WDP-5	ON	OFF	(ON)
Term. Comm.	2-3,5-6	OPEN	2-1,5-4

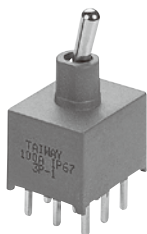
Schematic



### WIRING FOR ON-ON-ON (3-WAY) FUNCTION

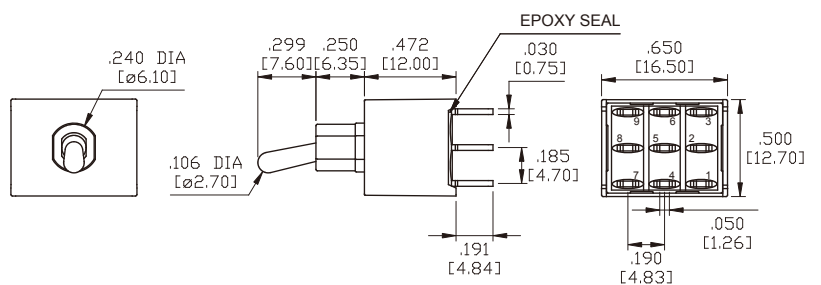


## 3PDT



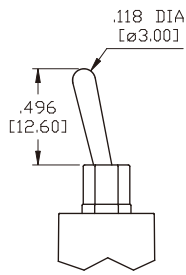
Model No.	Switching Position		
W3P-1	ON	NONE	ON
W3P-2	ON	NONE	(ON)
W3P-3	ON	OFF	ON
W3P-4	(ON)	OFF	(ON)
W3P-5	ON	OFF	(ON)
Term. Comm.	2-3,5-6 8-9	OPEN	2-1,5-4 8-7

Schematic

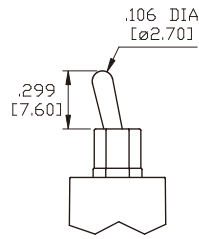


## ACTUATOR OPTIONS

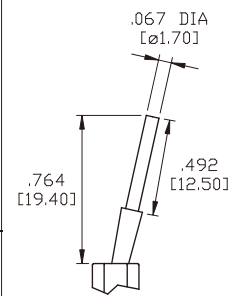
T1



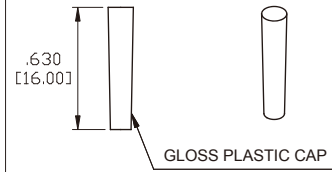
T2



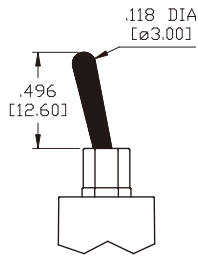
T9 WITH PLASTIC CAP



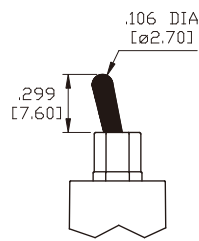
NO.	COLOR
1	White
2	Black(std.)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray



P1 PLASTIC TOGGLE



P2 PLASTIC TOGGLE

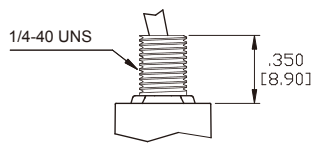


\* Subtract 2.20mm (.087") from actuator height for B1 bushing

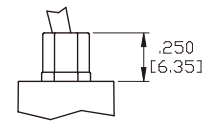
\* Subtract 1.90mm (.075) from actuator height for B1 bushing

## BUSHING OPTIONS

B1

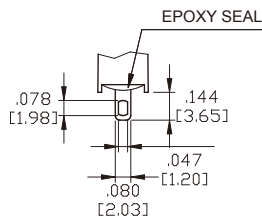


B4



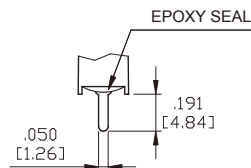
## TERMINATION OPTIONS

M1 STD. SOLDER LUG



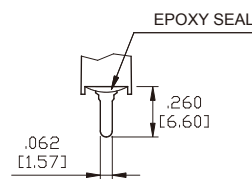
THK .030 [0.75]

M2 PC THRU-HOLE



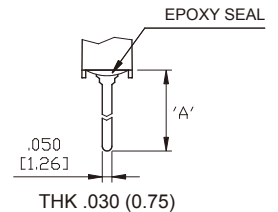
THK .030 [0.75]

M3 QUICK CONNECT



THK .030 [0.75]

M5 WIRE WRAP



THK .030 (0.75)

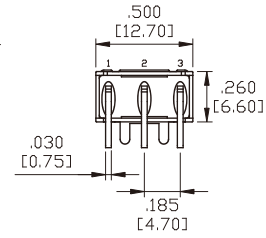
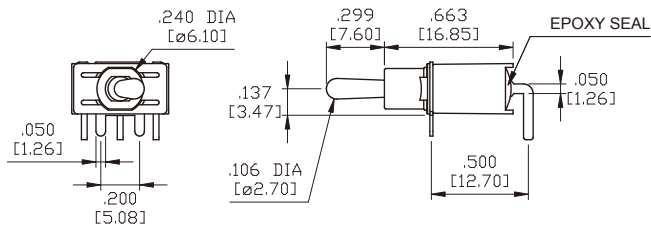
OPTION CODE	DIM.'A'
M5-1	.750 [19.05]
M5-2	.964 [24.48]
M5-3	.425 [10.80]
M5-4	1.062 [26.97]

## TERMINATION OPTIONS

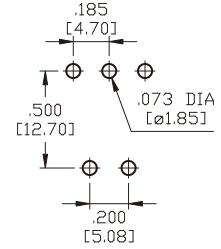
M6



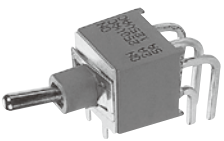
SPDT



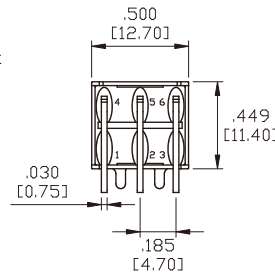
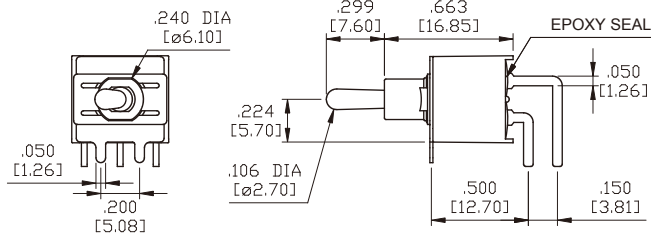
P.C.MOUNTING



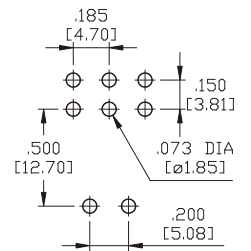
M6



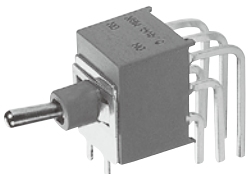
DPDT



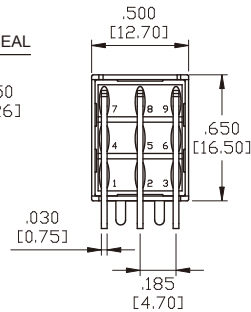
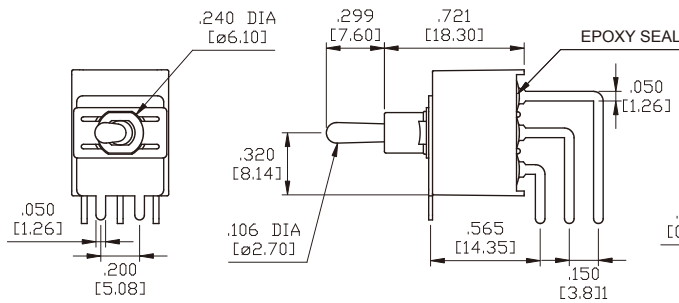
P.C.MOUNTING



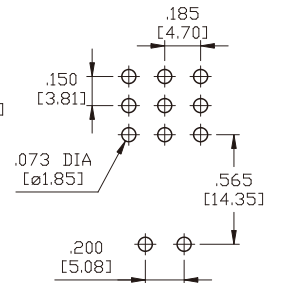
M6



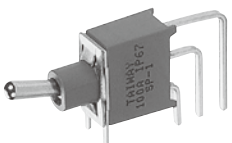
3PDT



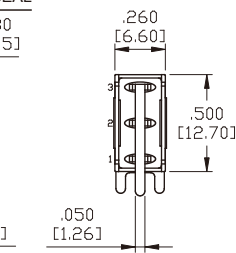
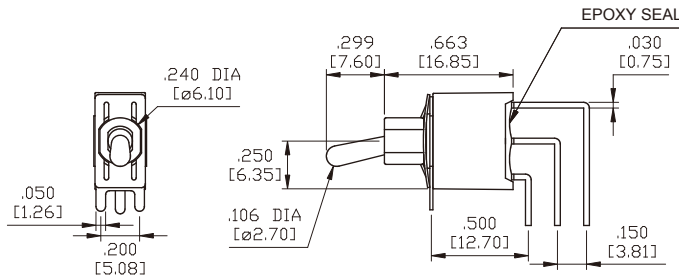
P.C.MOUNTING



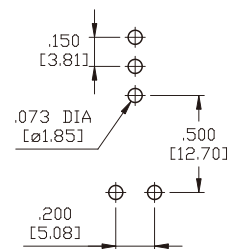
M7



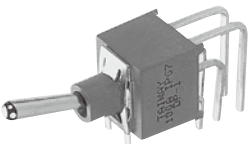
SPDT



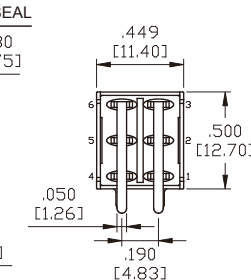
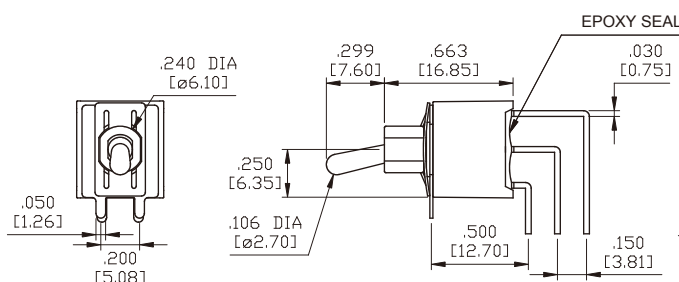
P.C.MOUNTING



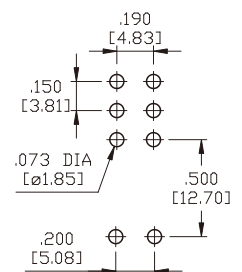
M7



DPDT

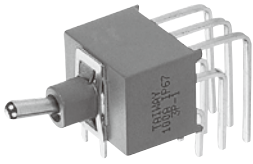


P.C.MOUNTING

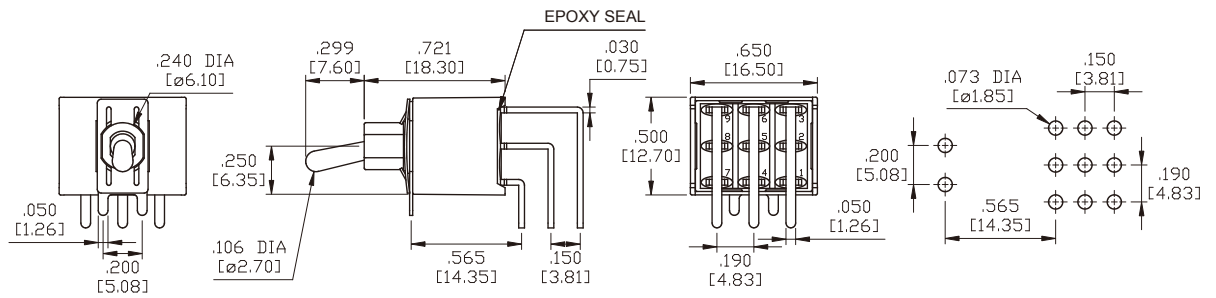


## TERMINATION OPTIONS

M7

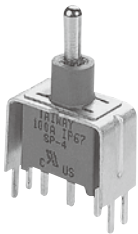


3PDT

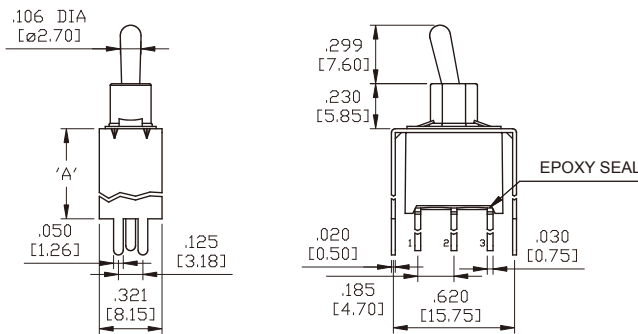


P.C.MOUNTING

VS2-VS3

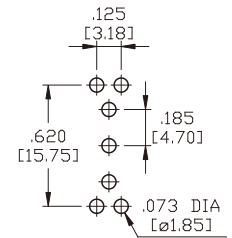


SPDT

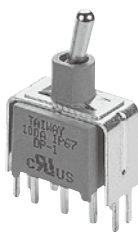


P.C.MOUNTING

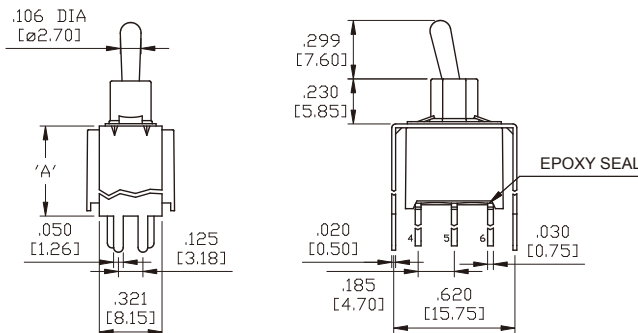
OPTION CODE	DIM.'A'
VS2	.461 [11.70]
VS3	.630 [16.00]



VS2-VS3

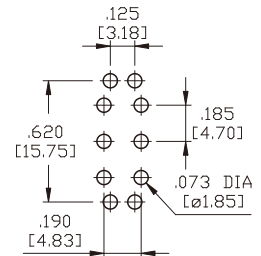


DPDT

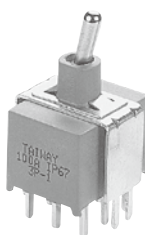


P.C.MOUNTING

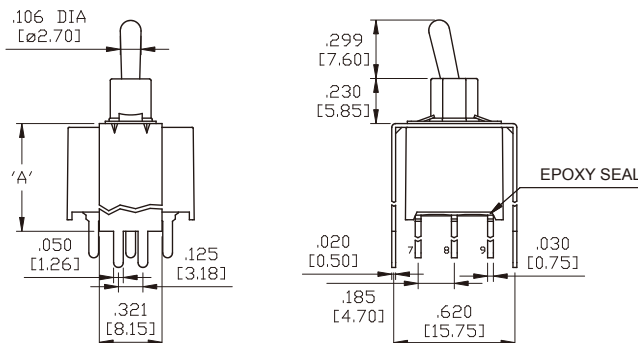
OPTION CODE	DIM.'A'
VS2	.461 [11.70]
VS3	.630 [16.00]



U2-VS3

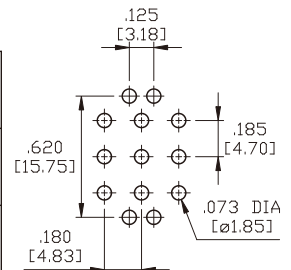


3PDT

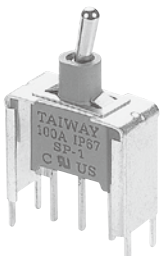


P.C.MOUNTING

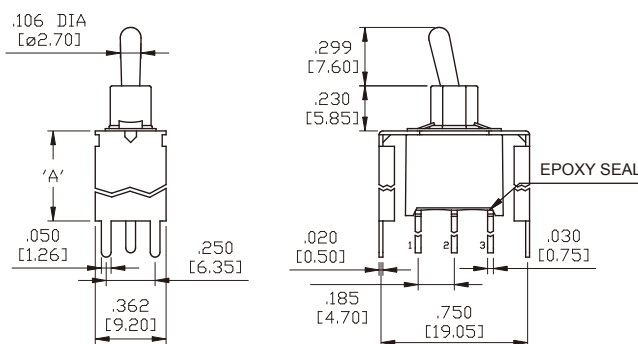
OPTION CODE	DIM.'A'
U2	.551 [14.00]
VS3	.630 [16.00]



VS4-VS5

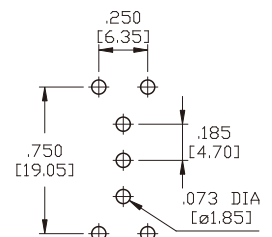


SPDT



P.C.MOUNTING

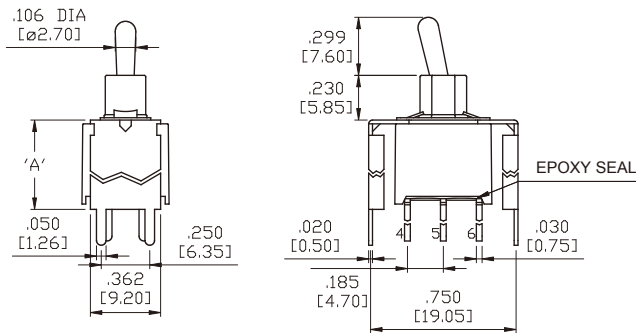
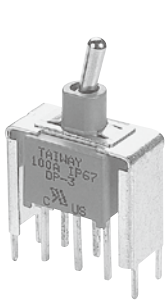
OPTION CODE	DIM.'A'
VS4	.461 [11.70]
VS5	.630 [16.00]



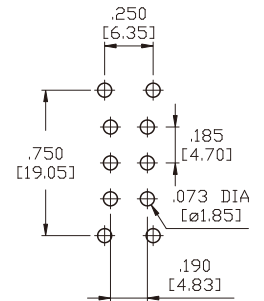
## TERMINATION OPTIONS

### VS4-VS5

### P.C.MOUNTING



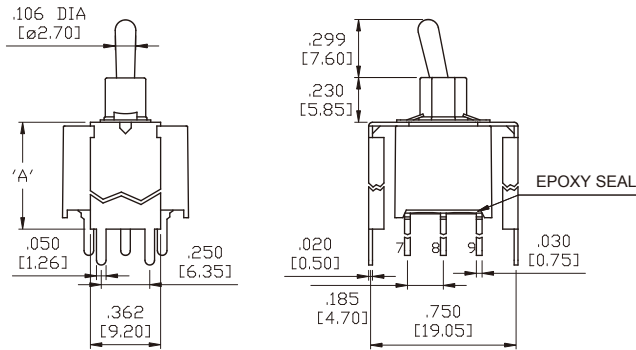
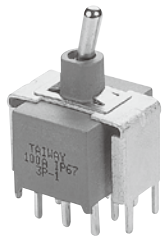
OPTION CODE	DIM.'A'
VS4	.461 [11.70]
VS5	.630 [16.00]



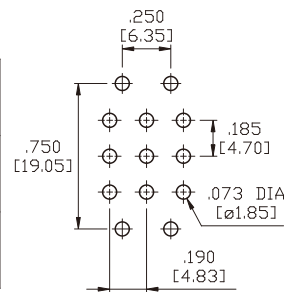
### DPDT

### P.C.MOUNTING

### U4-VS5



OPTION CODE	DIM.'A'
U4	.551 [14.00]
VS5	.630 [16.00]

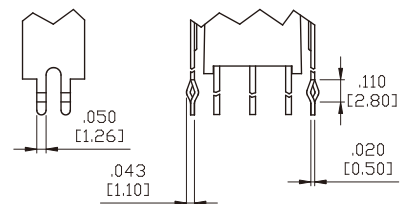
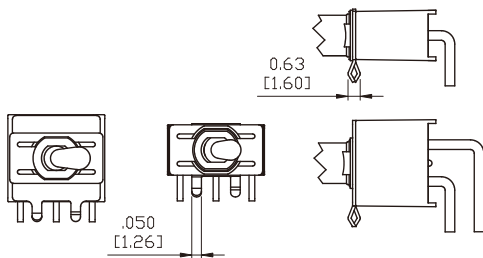


### 3PDT

## SNAP-IN TERMINATION OPTIONS

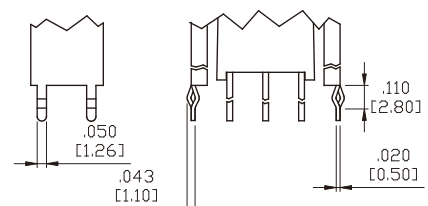
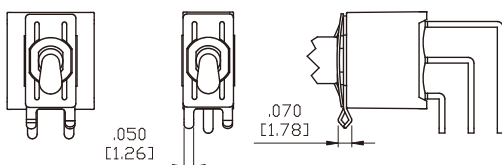
### M61

### VS21,VS31



### M71

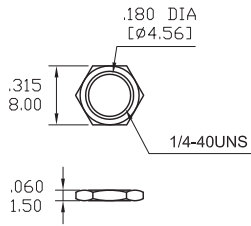
### VS41,VS51



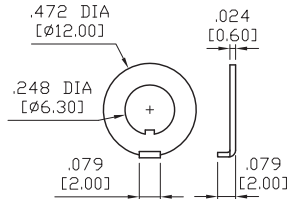
\* PC Mounting for M61,M71,VS21,VS31,VS41,VS51 refer to M6,M7,VS2,VS3,VS4,VS5 respectively.

HARDWARE

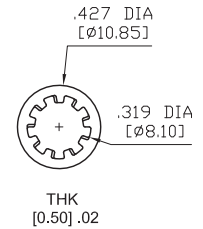
NUT



LOCKING RING




LOCK WASHER



\* Nut,locking ring and lock washer supplied standard with threaded bushings.  
 \* Consult us for optional nut, locking ring and lock washer styles.

CONTACT MATERIAL OPTIONS

Coding	Contact Material	Terminal Plating	Rating	Agency Approvals
G	Silver <sup>1</sup>	Gold over silver <sup>3</sup>	5Amps @ 125VAC or 28VDC 2Amps @ 250VAC	 IP67
P		Tin plated <sup>5</sup> <sup>7</sup>		
R	Gold <sup>2</sup>	Gold plated <sup>4</sup>	0.4VA max @ 20V max (AC or DC)	IP67
K		Tin plated <sup>5</sup> <sup>6</sup>		

\* Standard G plating for sealed product.

1. Movable Contact: Copper alloy, silver plated.
2. Movable Contact: Copper alloy with gold plated over nickel plated.
3. Terminals: Silver plated with outer layer in gold plating.
4. Terminals: Copper alloy, with gold plated over nickel plated.
5. Outer Terminals: Copper alloy with pure tin plated.
6. Terminal Contact: Gold plated over nickel plated.
7. Terminal Contact: Gold over silver plated.

\* P, K not available with M1 and M3 terminals.  
 \* 6Amps (Movable Contact: coin silver, silver plated) available to model ON-NONE-ON without UL approval  
 \* IP67 protection for 100A series only.

Toggle  
Rocker  
Slide  
Pushbutton  
AV  
Rotary  
Tact  
Touch Key  
Miscellaneous