

## 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  
 INSULATION RESISTANCE: 1,000MΩ min.  
 DIELECTRIC STRENGTH: 1,500V RMS @ sea level.  
 OPERATION TEMPERATURE: -30°C to +85°C.

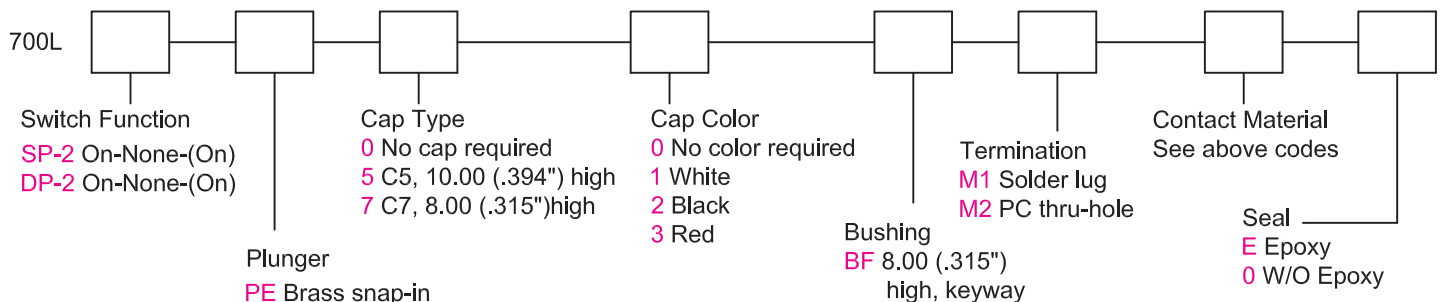
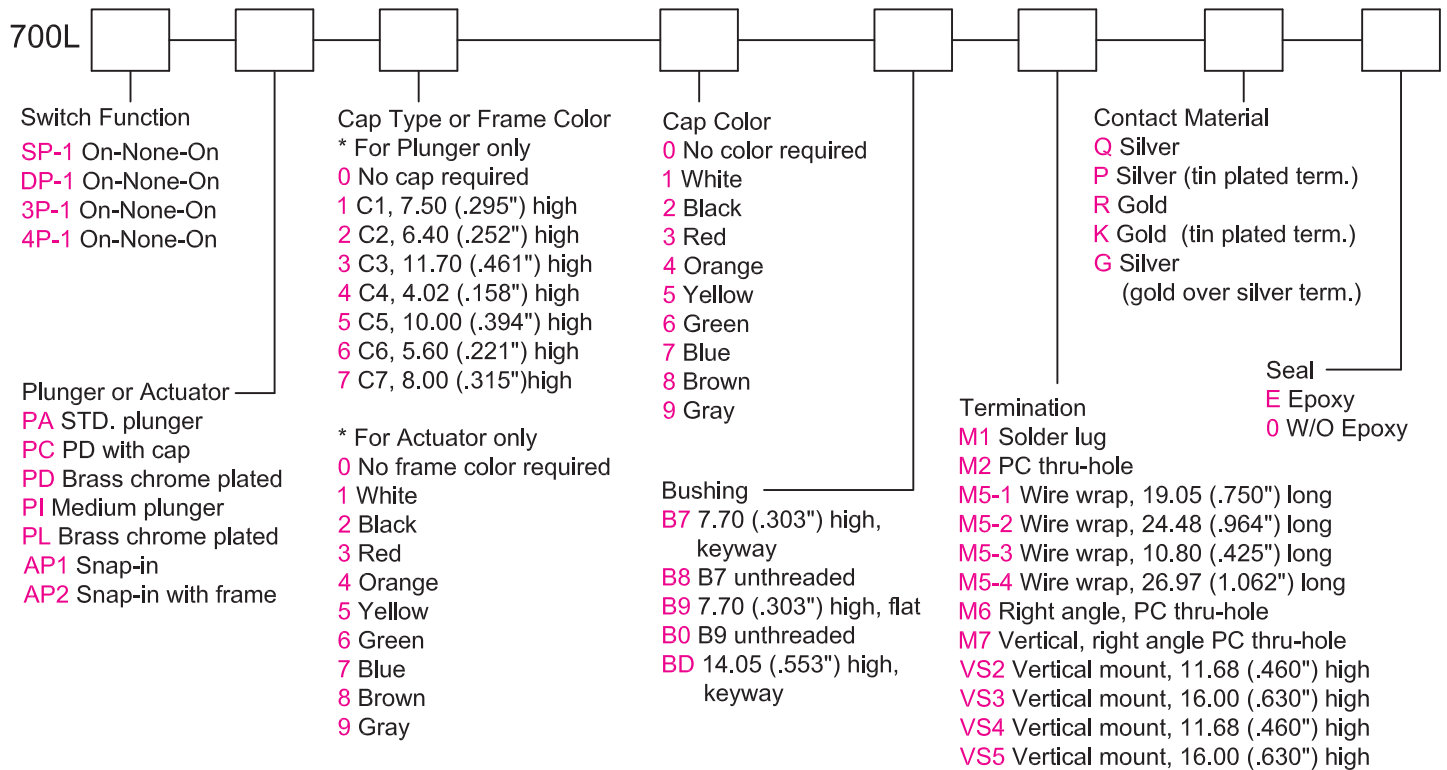
## MATERIALS:

CASE: Diallyl phthalate(DAP)(UL 94V-0).  
 PLUNGER: Polybutylene terephthalate (PBT) or Nylon (UL 94V-0).  
 FRAME: Nylon 6/6 (UL 94HB), black standard.  
 BUTTON & CAP: Nylon 6/6 or ABS, black standard.  
 BUSHING: Brass, nickel plated.  
 HOUSING: Stainless steel.  
 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



Toggle

Rocker

Slide

Pushbutton

AV

Rotary

Tact

Touch Key

Miscellaneous

# Series 700L

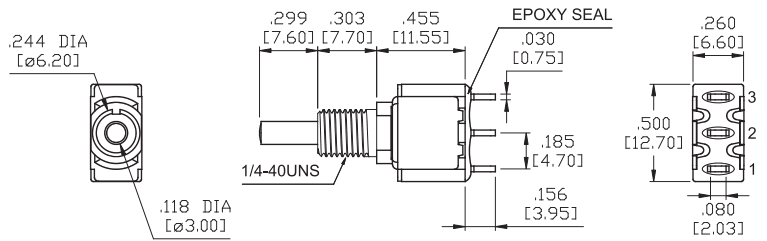
# Alternate Acting Pushbutton Switches

## SPDT



Model No.	Switching Position		
<b>SP-1</b>	ON	NONE	ON
Term. Comm.	2-3	OPEN	2-1

Schematic

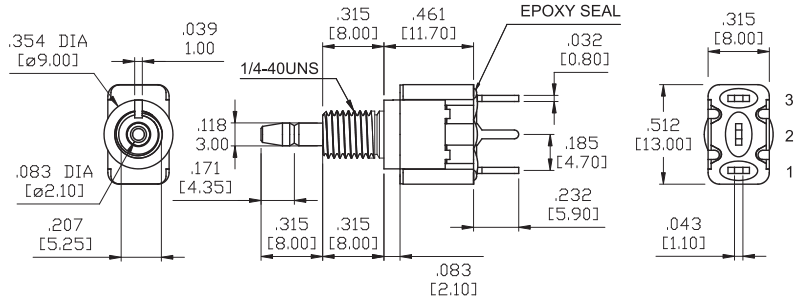


## SPDT



Model No.	Switching Position		
<b>SP-2</b>	ON	NONE	(ON)
Term. Comm.	2-3	OPEN	2-1

Schematic

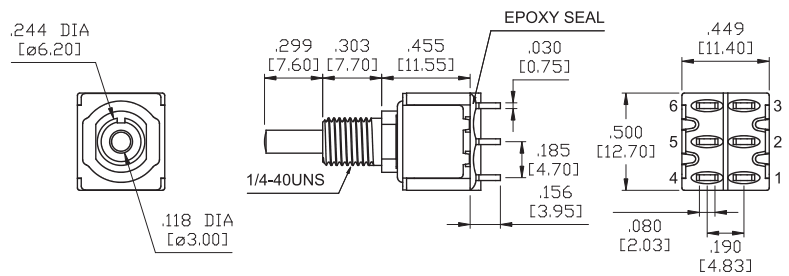
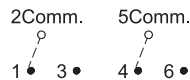


## DPDT



Model No.	Switching Position		
<b>DP-1</b>	ON	NONE	ON
Term. Comm.	2-3,5-6	OPEN	2-1,5-4

Schematic

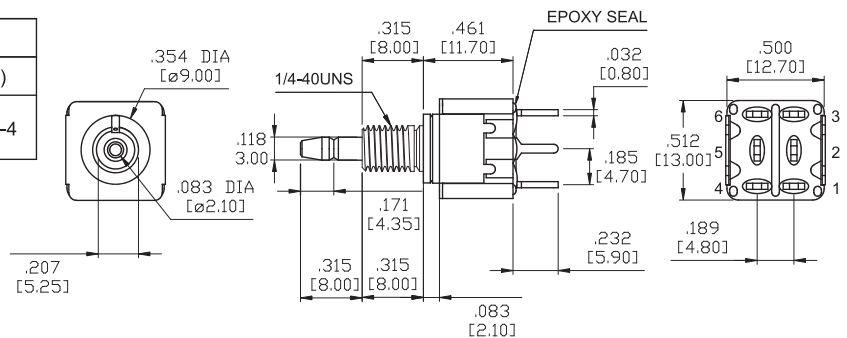
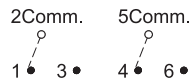


## DPDT



Model No.	Switching Position		
<b>DP-2</b>	ON	NONE	(ON)
Term. Comm.	2-3,5-6	OPEN	2-1,5-4

Schematic

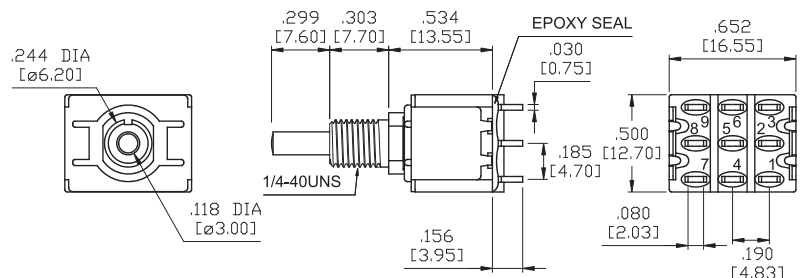


## 3PDT



Model No.	Switching Position		
<b>3P-1</b>	ON	NONE	ON
Term. Comm.	2-3,5-6 8-9	OPEN	2-1,5-4 8-7

Schematic



# Series 700L

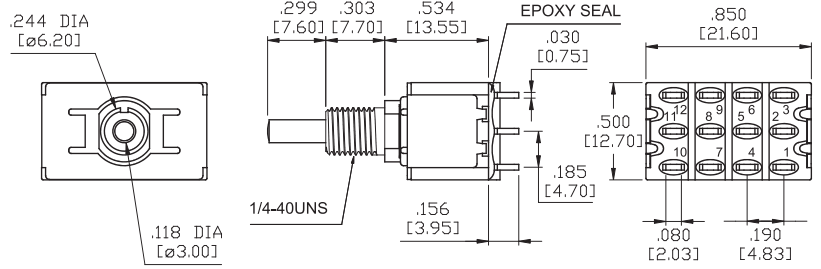
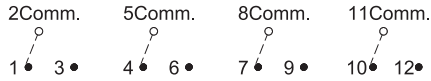
# Alternate Acting Pushbutton Switches

4PDT



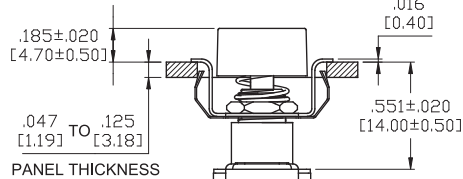
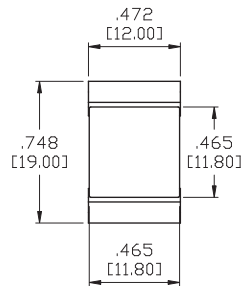
Model No.	Switching Position		
4P-1	ON	NONE	ON
Term. Comm.	2-3,5-6 8-9 11-12	OPEN	2-1,5-4 8-7 11-10

Schematic

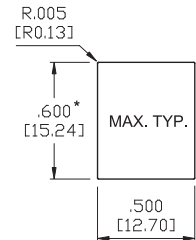


## ACTUATOR OPTIONS FOR SNAP-IN FRONT MOUNT

AP1

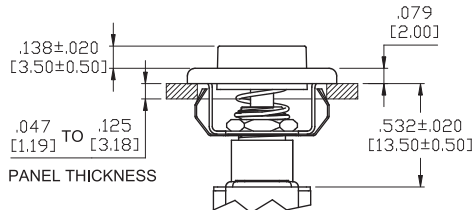
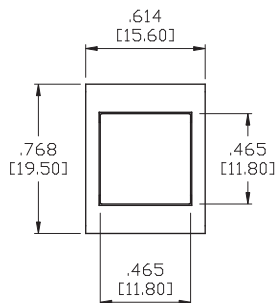
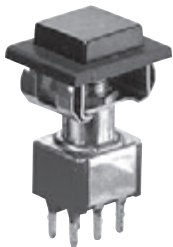


PANEL MOUNTING

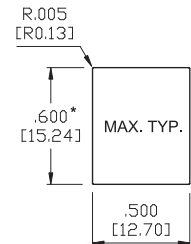


\* Increase this dimension to .620/.625 [15.75/15.88] for .091/.125 [2.31/3.18] thk. panels.

AP2 WITH FRAME

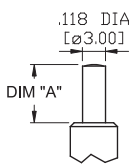


PANEL MOUNTING



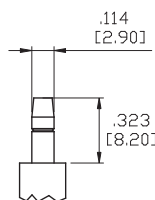
\* Increase this dimension to .620/.625 [15.75/15.88] for .091/.125 [2.31/3.18] thk. panels.

## PLUNGER OPTIONS (SP-1 & DP-1 MODEL)



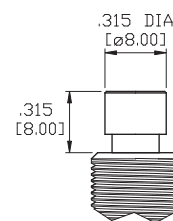
OPTION CODE	DIM "A"
PA	.299 [7.60]
PI	.244 [6.20]

PL



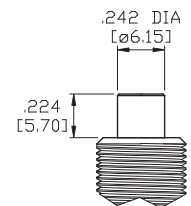
\* Plunger material: Brass Nickel Plated

PC



\* Plunger material: Brass Chrome Plated  
 \* PC,PD must configure with BD bushing

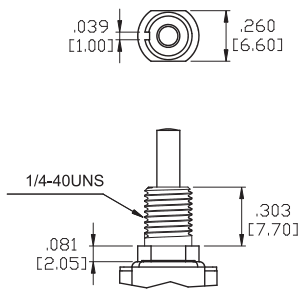
PD



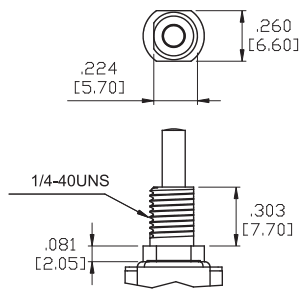
Toggle  
Rocker  
Slide  
Pushbutton  
AV  
Rotary  
Tact  
Touch Key  
Miscellaneous

## BUSHING OPTIONS (SP-1 & DP-1 MODEL)

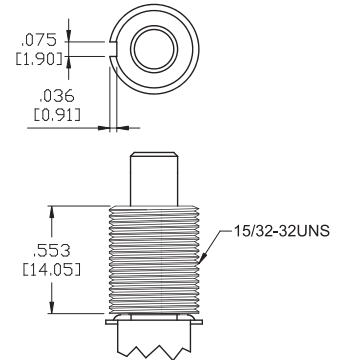
**B7 THD STD**  
**B8 NON-THD**



**B9 THD STD**  
**B0 NON-THD**

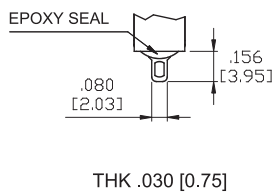


**BD THD STD**

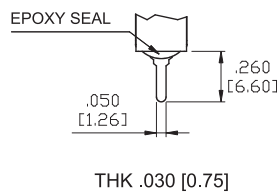


## TERMINATION OPTIONS (SP-1 & DP-1 MODEL)

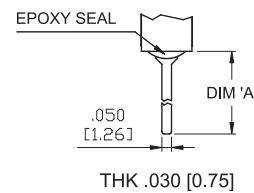
**M1 STD. SOLDER LUG**



**M2 PC-THRU HOLE**

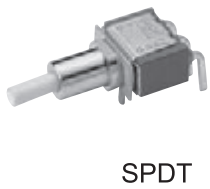


**M5 WIRE WRAP**

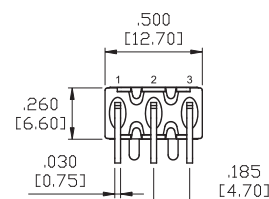
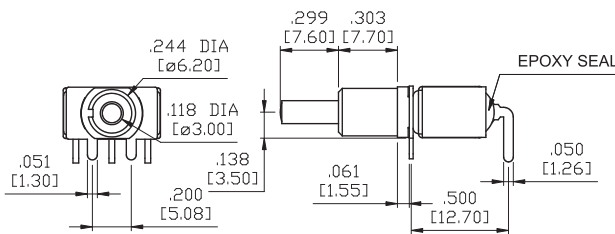


OPTION CODE	DIM.'A'
M5-1	.750 [19.05]
M5-2	.964 [24.48]
M5-3	.425 [10.80]
M5-4	1.062 [26.97]

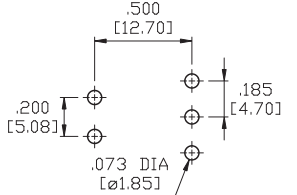
**M6**



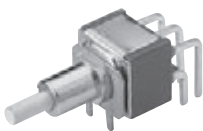
SPDT



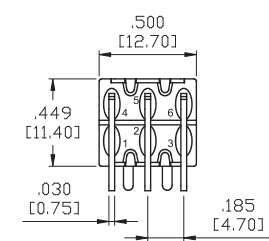
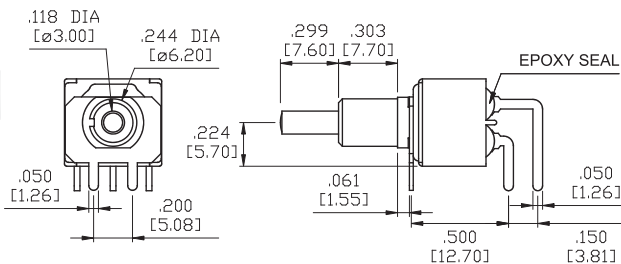
**P.C.MOUNTING**



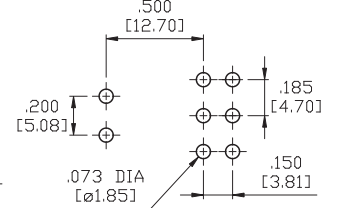
**M6**



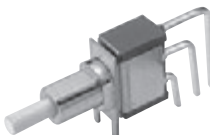
DPDT



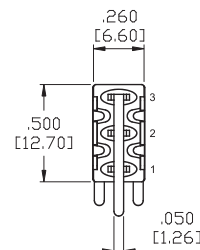
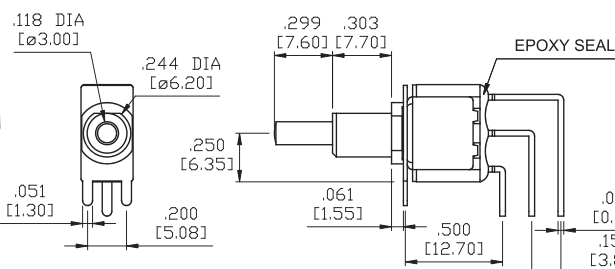
**P.C.MOUNTING**



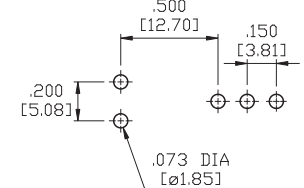
**M7**



SPDT



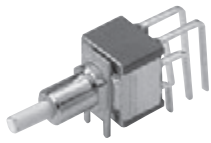
**P.C.MOUNTING**



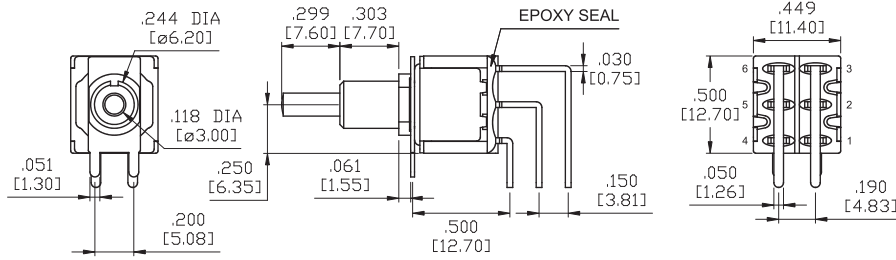
# Series 700L

# Alternate Acting Pushbutton Switches

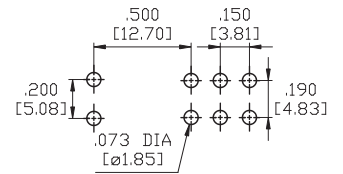
M7



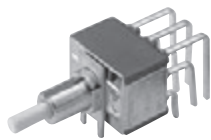
DPDT



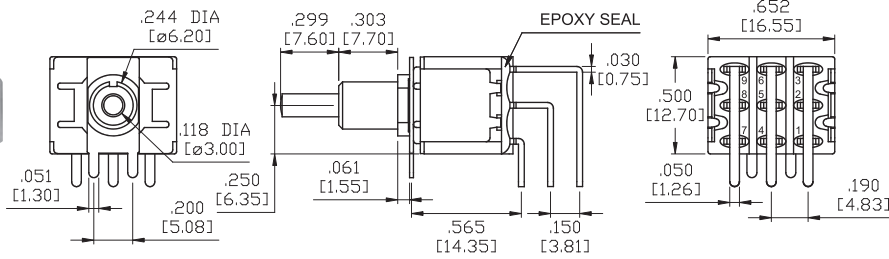
P.C.MOUNTING



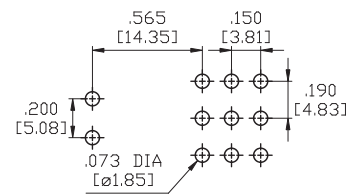
M7



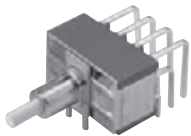
3PDT



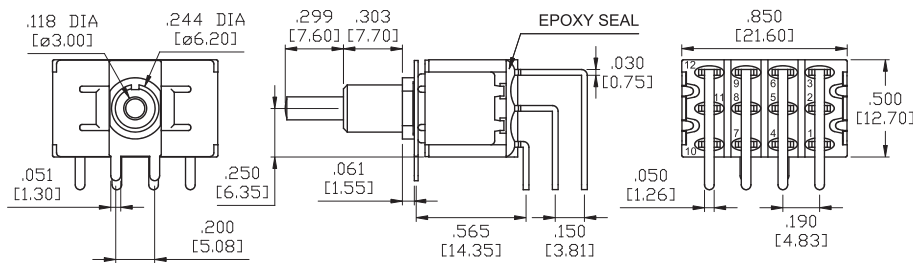
P.C.MOUNTING



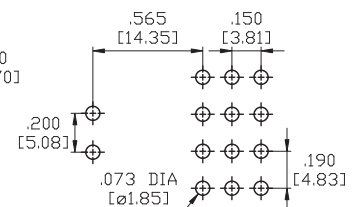
M7



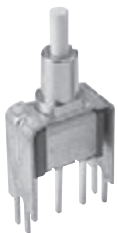
4PDT



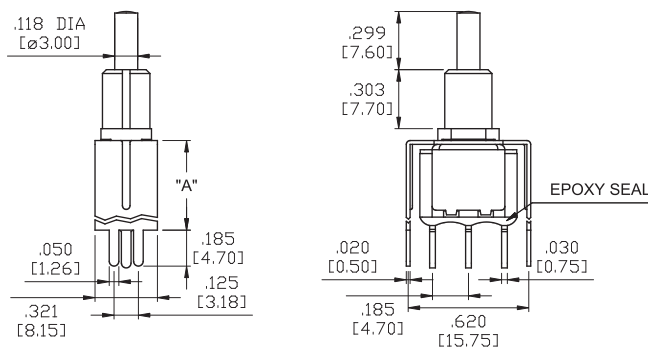
P.C.MOUNTING



VS2-VS3

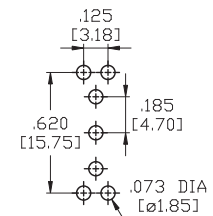


SPDT



P.C.MOUNTING

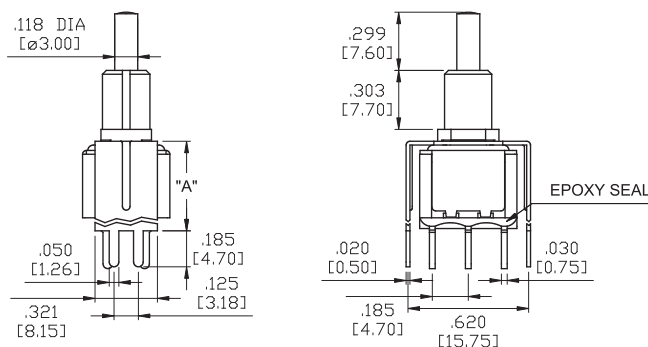
OPTION CODE	DIM.'A'
VS2	.461 [11.70]
VS3	.630 [16.00]



VS2-VS3

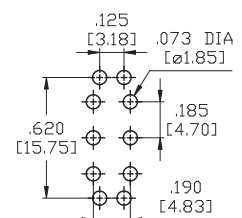


DPDT



P.C.MOUNTING

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



Toggle

Rocker

Slide

Pushbutton

AV

Rotary

Tact

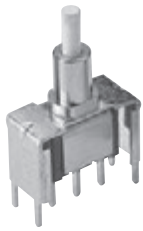
Touch Key

Miscellaneous

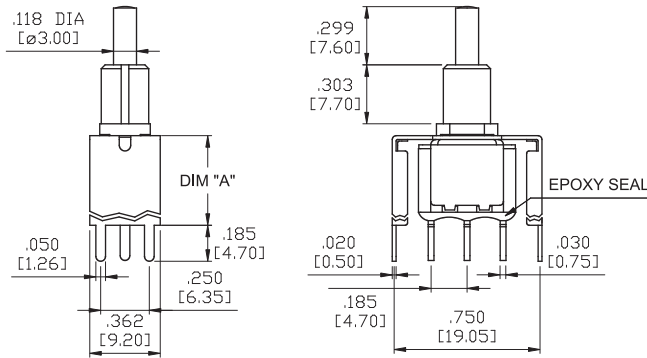
# Series 700L

# Alternate Acting Pushbutton Switches

VS4-VS5

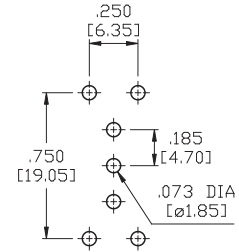


SPDT



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

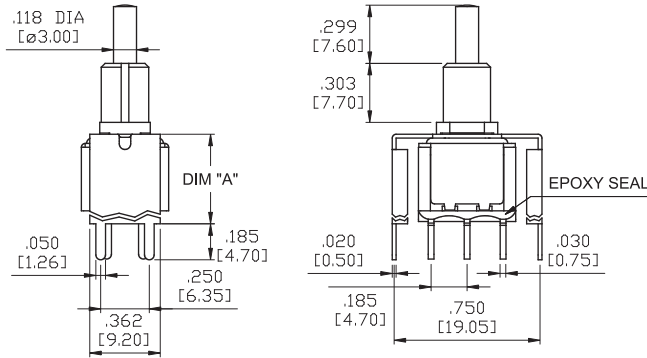
P.C.MOUNTING



VS4-VS5

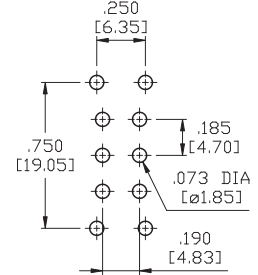


DPDT



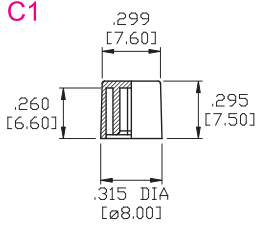
OPTION CODE	DIM.'A'
VS4	.461 [11.70]
VS5	.630 [16.00]

P.C.MOUNTING

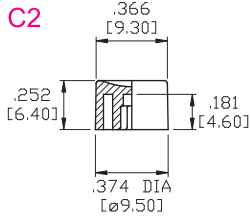


## PLUNGER CAPS

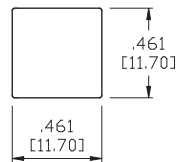
C1



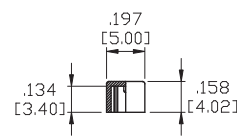
C2



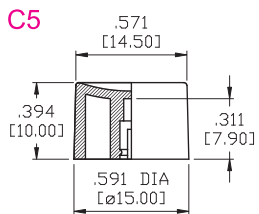
C3



C4

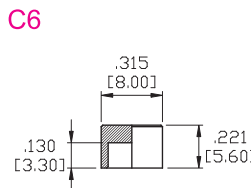


C5



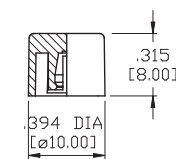
For PL plunger only

C6



For PD plunger only

C7



For PL plunger only

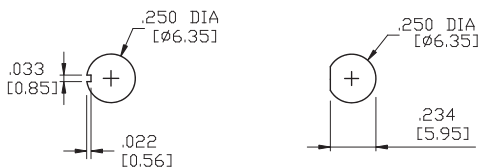
### CAP AND FRAME COLORS

1	White
2	Black
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray

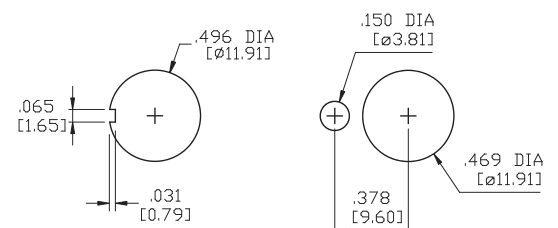
MATERIAL: ABS for C1~C5.  
MATERIAL: Brass for C6  
Chrome or nickel plated.

## PANEL MOUNTING

1/4 INCH BUSHING

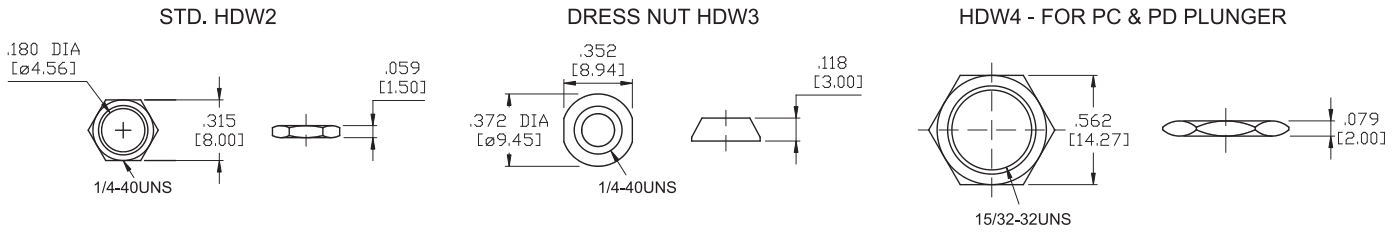


15/32 INCH BUSHING

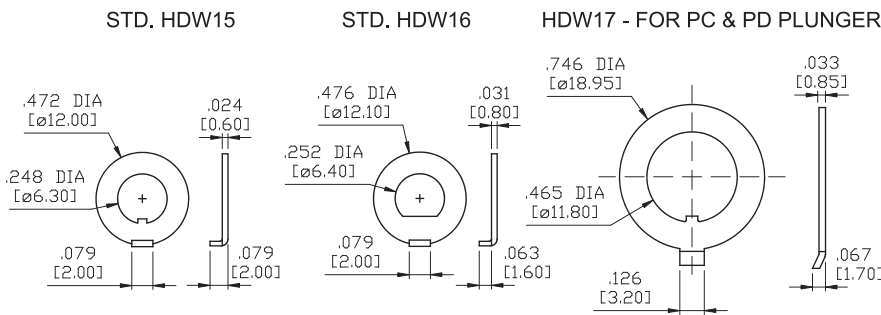


## HARDWARE

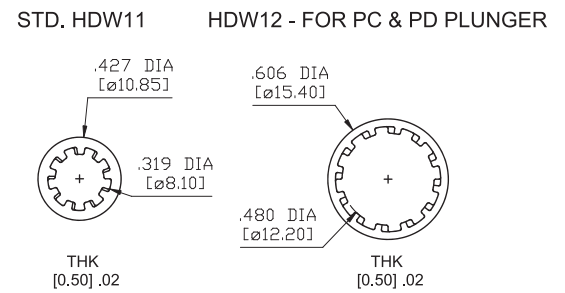
### NUT



### LOCKING RING



### LOCK WASHER



## CONTACT MATERIAL OPTIONS

Coding	Contact Material	Terminal Plating	Rating	Agency Approvals
Q	Silver <sup>1</sup>	Silver plated <sup>6</sup>	6Amps @ 125VAC or 28VDC 3Amps @ 250VAC	
P		Tin plated <sup>5/8</sup>		
R	Gold <sup>2</sup>	Gold plated <sup>4</sup>	0.4VA max @ 20V max (AC or DC)	
K		Tin plated <sup>5/7</sup>		
G	Silver <sup>1</sup>	Gold over silver <sup>3</sup>	6Amps @ 125VAC or 28VDC 3Amps @ 250VAC	

1. Movable Contact: Coin silver, 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. Terminals: Copper alloy, silver plated.
7. Terminal Contact: Gold plated over nickel plated.
8. Terminal Contact: Palladium nickel alloy (or Silver) plated.

\* P, K not available with M1 termination.