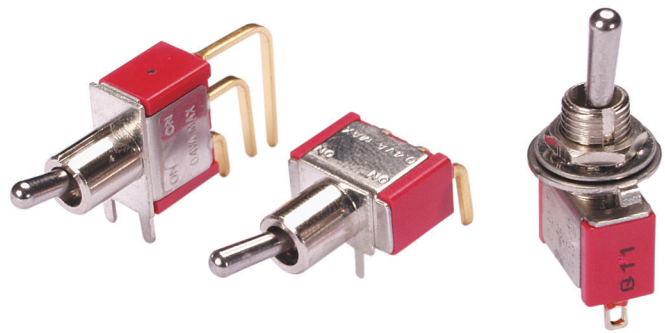


## SERIES 34A Miniature Toggle Switches

### FEATURES

- Save Space and Weight
- SPDT, DPDT, 3PDT, and 4PDT Circuitry
- Choice of Actuators, Bushings and Terminations
- UL Recognized

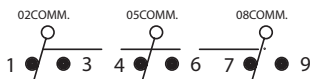


MODELS in inches (and millimeters)

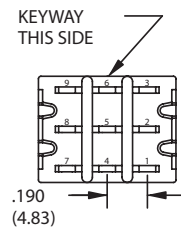
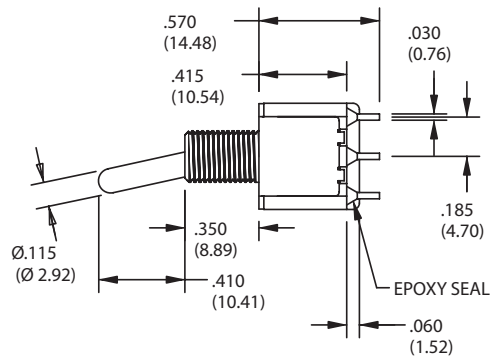
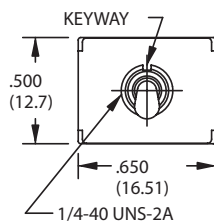
### SPDT

| MODEL NO.   | SWITCH POSITION |           |         |
|-------------|-----------------|-----------|---------|
| SP1         | ON              | NONE      | ON      |
| SP2         | ON              | NONE (ON) |         |
| SP3         | ON              | OFF       | ON      |
| SP4         | (ON)            | OFF       | (ON)    |
| SP5         | ON              | OFF       | (ON)    |
| TERM. COMM. | 2-3,5-6         | OPEN      | 2-1,5-4 |
|             | 8-9             |           | 8-7     |

( )=MOMENTARY



SCHEMATIC



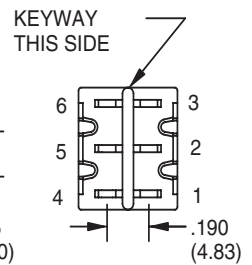
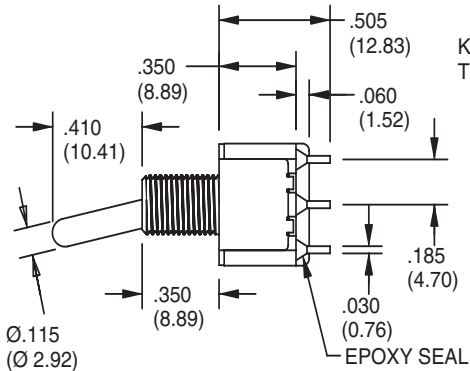
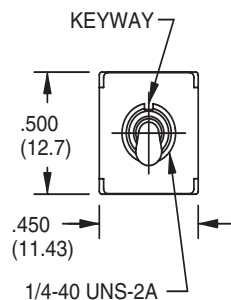
### DPDT

| MODEL NO.   | SWITCH POSITION |           |          |
|-------------|-----------------|-----------|----------|
| DP1         | ON              | NONE      | ON       |
| DP2         | ON              | NONE (ON) |          |
| DP3         | ON              | OFF       | ON       |
| DP4         | (ON)            | OFF       | (ON)     |
| DP5         | ON              | OFF       | (ON)     |
| TERM. COMM. | 2-3, 5-6        | OPEN      | 2-1, 5-4 |

( )=MOMENTARY



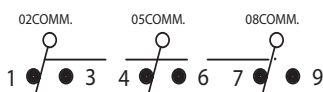
SCHEMATIC



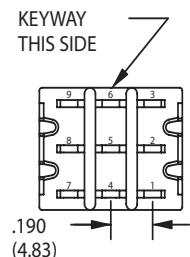
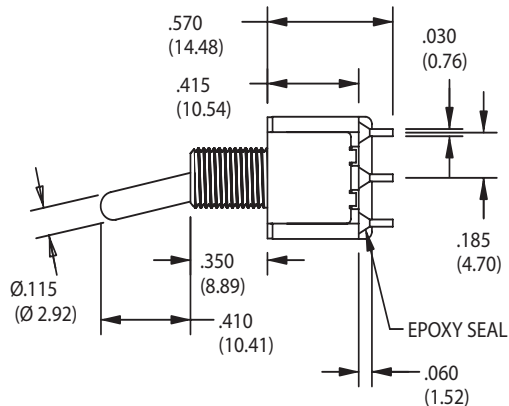
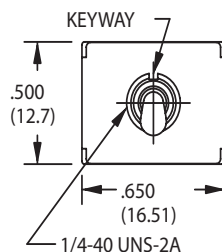
### 3PDT

| MODEL NO.   | SWITCH POSITION |           |         |
|-------------|-----------------|-----------|---------|
| SP1         | ON              | NONE      | ON      |
| SP2         | ON              | NONE (ON) |         |
| SP3         | ON              | OFF       | ON      |
| SP4         | (ON)            | OFF       | (ON)    |
| SP5         | ON              | OFF       | (ON)    |
| TERM. COMM. | 2-3,5-6         | OPEN      | 2-1,5-4 |
|             | 8-9             |           | 8-7     |

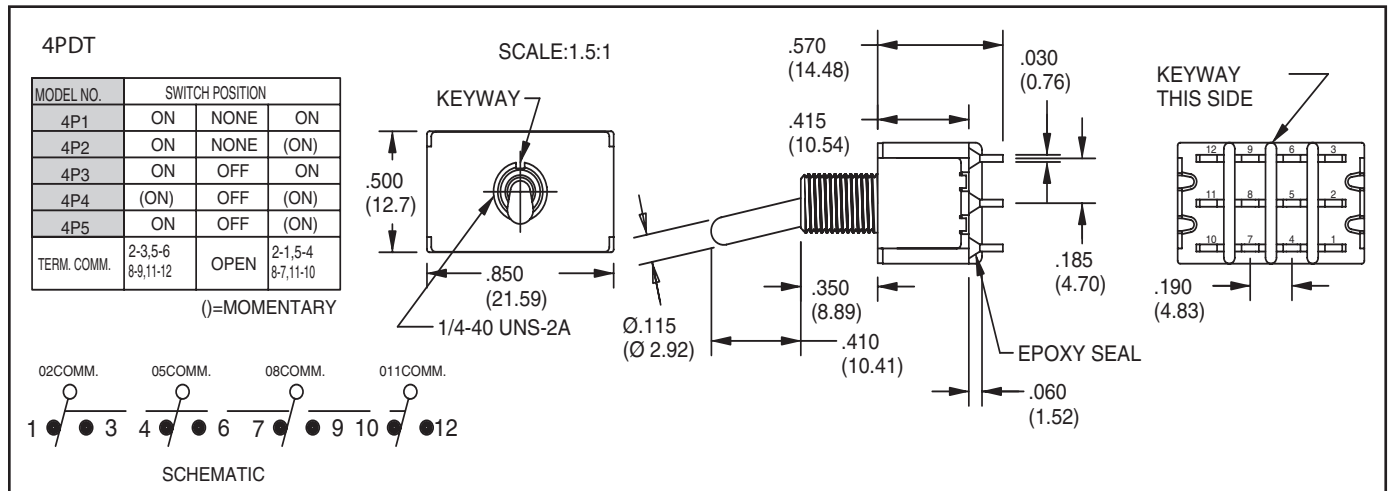
( )=MOMENTARY



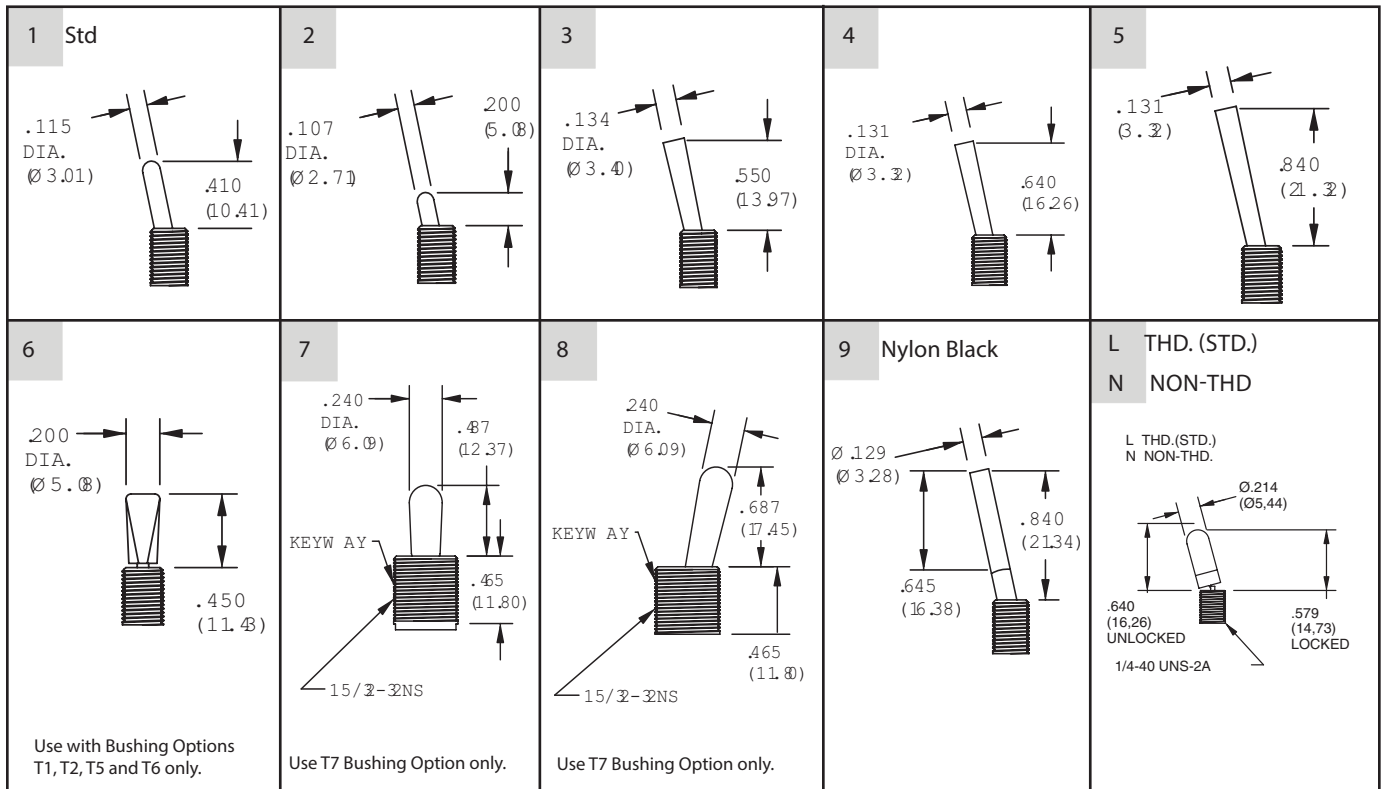
SCHEMATIC



## MODELS in inches (and millimeters)



## ACTUATOR OPTIONS in inches (and millimeters)



Actuators 1-5 shown with standard B1 bushing. Add .070 (1.78) for B3, subtract .020 (0.51) for B6 bushing.

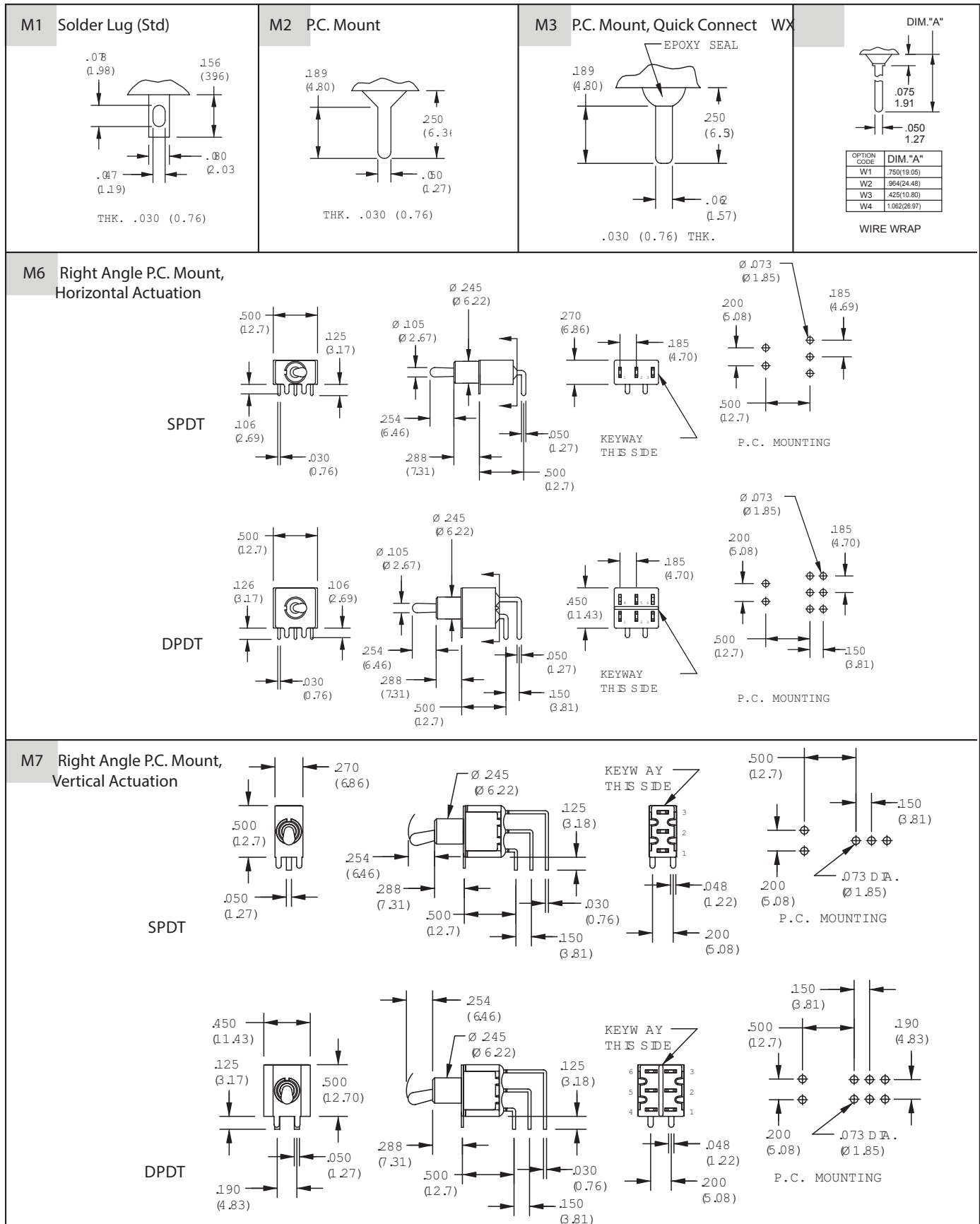
## BUSHING OPTIONS in inches (and millimeters)

|                                              |                                        |                            |                           |
|----------------------------------------------|----------------------------------------|----------------------------|---------------------------|
| <b>B1 Thd (Std)</b><br><b>B2 Non-Thd</b><br> | <b>B3 Thd</b><br><b>B4 Non-Thd</b><br> | <b>B5 High Torque</b><br>  | <b>B6 High Torque</b><br> |
| <b>B7 Long</b><br>                           | <b>B8 Metric</b><br>                   | <b>B9 Splash-Proof</b><br> |                           |
| <b>T1</b><br>                                | <b>T2</b><br>                          | <b>T5</b><br>              | <b>T6</b><br>             |
|                                              |                                        |                            | <b>T7</b><br>             |

## PANEL MOUNTING in inches (and millimeters)

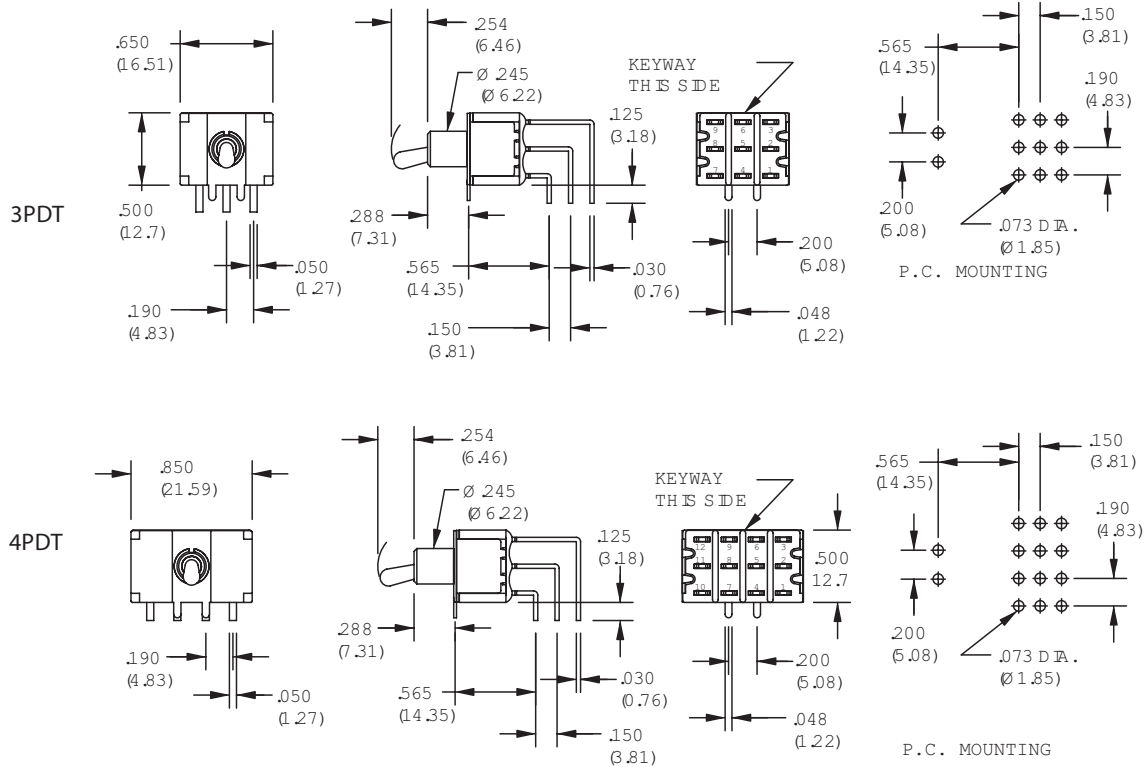
|                           |  |  |  |
|---------------------------|--|--|--|
| <b>1/4" BUSHING</b><br>   |  |  |  |
| <b>15/32" BUSHING</b><br> |  |  |  |
| <b>METRIC BUSHING</b><br> |  |  |  |

TERMINATION OPTIONS in inches (and millimeters)

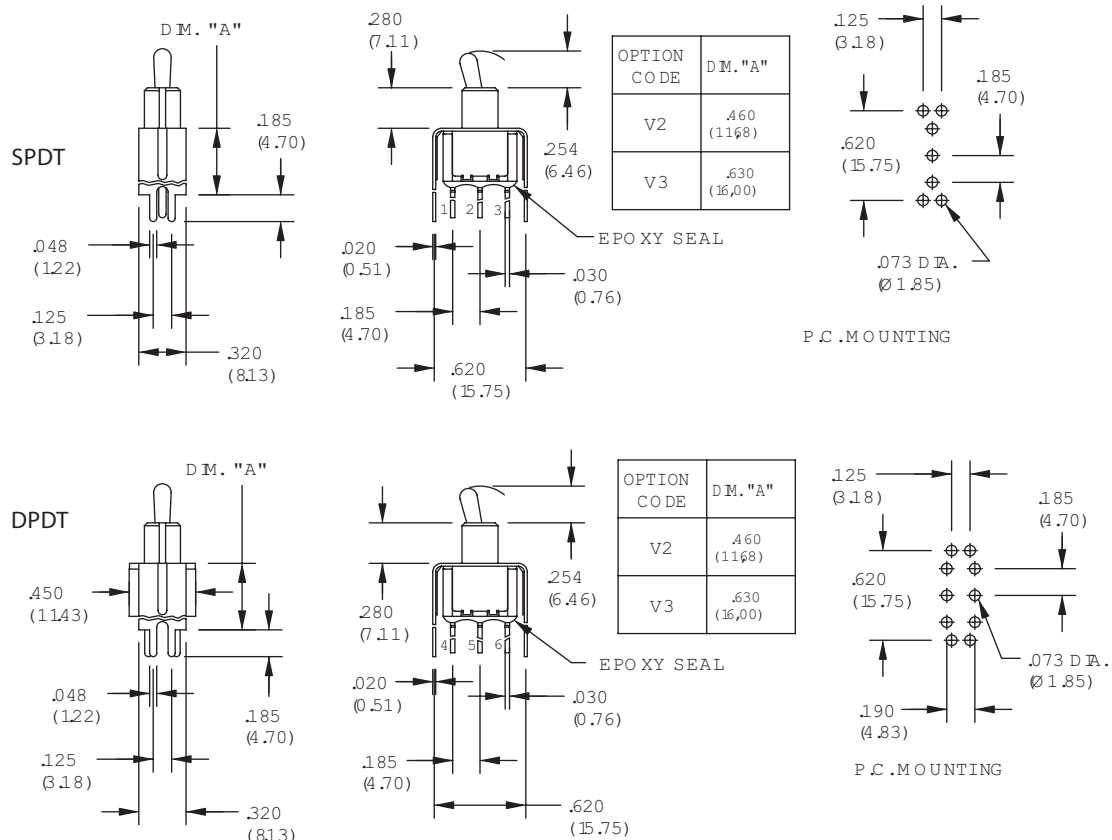


## TERMINATION OPTIONS in inches (and millimeters)

### M7 Right Angle P.C. Mount, Vertical Actuation



### V2-V3 Vertical Bracket P.C. Mount



## SPECIFICATIONS

### RATINGS

Contact Rating: Q option - 5A with resistive load @ 125VAC or 28 VDC; 2A with resistive load @ 250 VAC. R option-0.4 VA max @ 20 Vmax (AC or DC)  
Electrical Life: 40,000 make-and-break cycles at full load

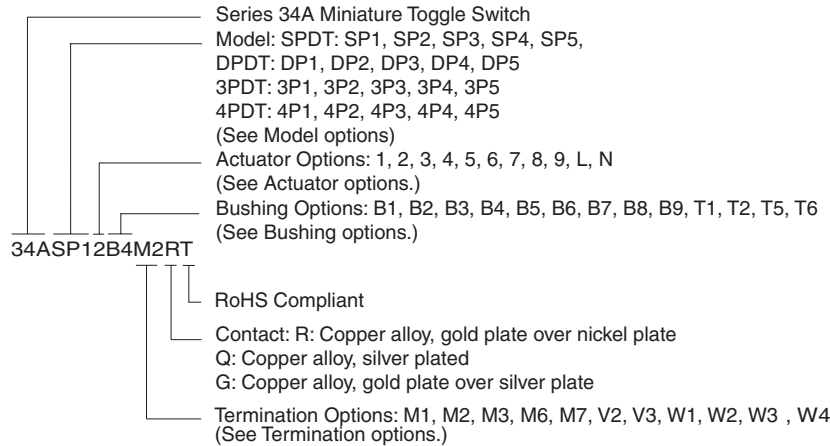
Contact Resistance: 10 milliohms max. initial @ 2-4 VDC, 100 mA for both gold & silver contacts  
Insulation Resistance: 1,000 megaohms minimum  
Dielectric Strength: 1,000 V RMS @ sea level  
Operating Temperature: -30°C to 85°C

UL Recognition: File number is E35289

### MATERIALS

Case: Diallyl phthalate (DAP) (UL94V-0)  
Toggle Handle: Brass, chrome-plated  
Bushing: Brass, nickel-plated  
Housing: Stainless steel

## ORDERING INFORMATION



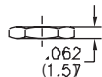
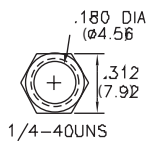
Available from your local Grayhill Component Distributor.

For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

## HARDWARE in inches (and millimeters)

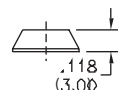
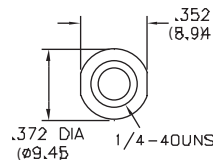
### NUTS

Series 34A (Std)



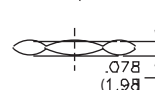
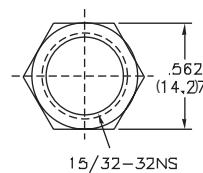
HDW2

Dress Nut



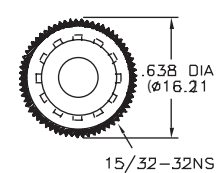
HDW3

For Actuator Options 7, 8 (Std)



HDW4

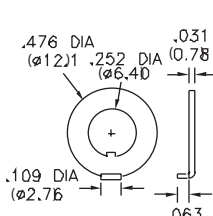
Knurled Nut (Sealed)



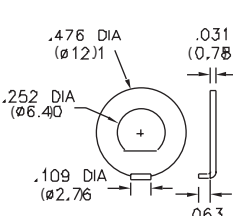
HDW5

### LOCKING RINGS

Series 34A (Std)

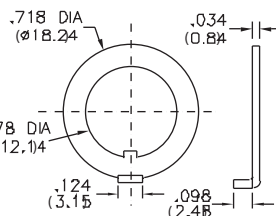


HDW15



HDW16

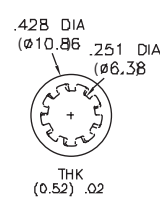
For Actuator Options 7, 8



HDW17

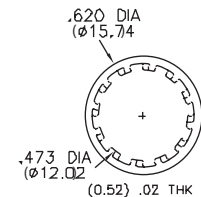
### LOCK WASHERS

Series 34A (Std)



HDW11

For Actuator Options 7, 8



HDW12