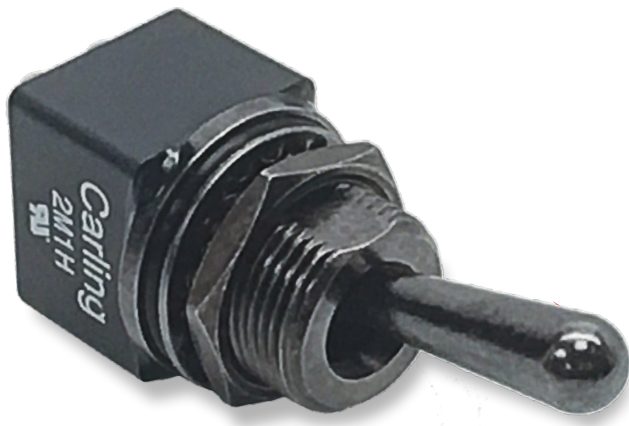
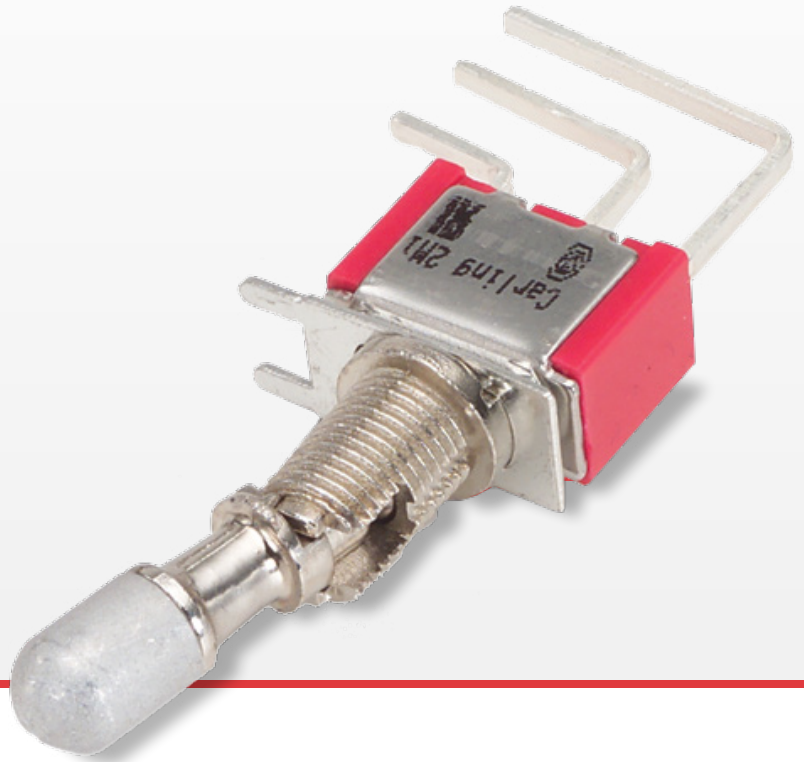


# 2M-Series

Miniature Toggles Switches

**PRODUCT WEBPAGE**

*request sample, configure part*



The 2M family of miniature toggle switches is composed of three switch series; the 2M1-Series miniature toggle switch, the 2MS-Series sealed miniature toggle switch, and the 2MIH-Series premium sealed miniature toggle switch. These series all feature PC mounting and offer a variety of ratings, circuits, contact materials, terminal platings, toggle styles and lengths, and optional color caps.

**1-2**  
Poles

**.4-5**  
Amps

**125, 250**  
VAC

**28**  
VDC

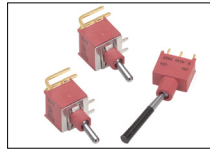
## Typical Applications

- Instrumentation
- Networking
- Military
- Telecommunications
- Medical Equipment

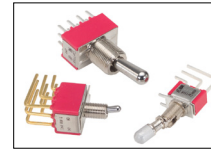
# Tech Specs



**2MIH-Series**  
Premium Sealed  
Miniature  
Toggle Switch



**2MS-Series**  
Sealed  
Miniature  
Toggle Switch



**2M1-Series**  
Miniature  
Toggle Switch

## Electrical

|                       |                                                                              |
|-----------------------|------------------------------------------------------------------------------|
| Contact Rating        | refer to ordering scheme                                                     |
| Electrical Life       | 50,000 make & break cycles @ full load                                       |
| Contact Resistance    | 10 mΩ max. initial @ 2-4 VDC<br>100mA for both silver & gold plated contacts |
| Insulation Resistance | 1000 MΩ min.                                                                 |
| Dielectric Strength   | 1500 Volts RMS @ sea level                                                   |

## Physical

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| Operating Temperature  | -30°C to +85°C                                      |
| Index of Protection    | <b>2MIH-Series:</b> IP67<br><b>2MS-Series:</b> IP67 |
| Solder Heat Resistance | MIL-STD-202, Method 210                             |
| Actuator Travel        | 25°                                                 |

## Material

|                   |                                                                                                                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Case              | <b>2MIH-Series &amp; 2M1-Series:</b> Dially phthalate (DAP) (UL 94V-0)<br><b>2MS-Series:</b> Glass filled nylon 6/6, flame retardant, heat stabilized (UL 94V-0)                              |
| Toggle            | <b>2MIH-Series:</b> Brass, black finish with o-ring seal<br><b>2MS-Series:</b> Brass, chrome plated, internal o-ring sealed<br><b>2M1-Series:</b> Brass, chrome plated                        |
| Bushing           | <b>2MIH-Series:</b> Brass, black finish with o-ring seal<br><b>2MS-Series:</b> Glass filled nylon 6/6, flame retardant, heat stabilized (UL 94V-0)<br><b>2M1-Series:</b> Brass, nickel plated |
| Housing           | Stainless Steel                                                                                                                                                                               |
| Bracket           | <b>2MS-Series:</b> Nylon (UL 94V-0)<br><b>2M1-Series:</b> Stainless Steel                                                                                                                     |
| Actuator Retainer | <b>2MS-Series:</b> Stainless Steel                                                                                                                                                            |
| Switch Support    | Brass, tin plated                                                                                                                                                                             |
| Terminal Seal     | Epoxy                                                                                                                                                                                         |

# Ordering Scheme

Sample Part Number **2MIH - DP1 TJ - BK - M2 R E**

Selection 1 2 3 4 5 6 7

### 1. SERIES

**2MIH** Premium Sealed Miniature Toggle Switch

### 2. POLES / CIRCUIT

|                 |          |                     |          |
|-----------------|----------|---------------------|----------|
| ( ) - momentary |          |                     |          |
| Position:       | 1        | 2                   | 3        |
|                 | 2-3, 5-6 | Connected Terminals | 2-1, 5-4 |
| SP1             | ON       | NONE                | ON       |
| SP2             | ON       | NONE                | (ON)     |
| SP3             | ON       | OFF                 | ON       |
| SP4             | (ON)     | OFF                 | (ON)     |
| SP5             | ON       | OFF                 | (ON)     |
| DP1             | ON       | NONE                | ON       |
| DP2             | ON       | NONE                | (ON)     |
| DP3             | ON       | OFF                 | ON       |
| DP4             | (ON)     | OFF                 | (ON)     |
| DP5             | ON       | OFF                 | (ON)     |
| DP6 *           | ON       | ON                  | ON       |
| DP7 *           | (ON)     | ON                  | (ON)     |
| DP8 *           | ON       | ON                  | (ON)     |

\*Center position connects 2-3, 5-4

### 3. ACTUATOR STYLE

**TJ** .709" [18 mm] length **TK** .512" [13.00 mm] length

### 4. BUSHING

**BK** .386" [9.80 mm] threaded, flat

### 5. TERMINATION

|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>M1</b> Solder Lug    | <b>M51</b> Wire Wrap, .750" [19.05mm] length  |
| <b>M2</b> PCB           | <b>M52</b> Wire Wrap, .964" [24.48mm] length  |
| <b>M3</b> Quick Connect | <b>M53</b> Wire Wrap, .425" [10.80mm] length  |
|                         | <b>M54</b> Wire Wrap, 1.062" [25.97mm] length |

### 6. CONTACTS / TERMINALS

| Contact Material                                 | Terminal Plating   | Rating                        | Approvals |
|--------------------------------------------------|--------------------|-------------------------------|-----------|
| <b>G</b> silver <sup>1</sup>                     | gold over silver   | 5A 125VAC or 28VDC, 2A 250VAC | IP67      |
| <b>K</b> gold <sup>2,5</sup>                     | tin <sup>4,7</sup> | 0.4VA max 20V max (AC/DC)     | IP67      |
| <b>P</b> silver <sup>1,6</sup>                   | tin <sup>4,7</sup> | 5A 125VAC or 28VDC, 2A 250VAC | IP67      |
| <b>Q</b> silver <sup>1</sup> silver <sup>1</sup> | 5A                 | 125VAC or 28VDC, 2A 250VAC    | IP67      |
| <b>R</b> gold <sup>2</sup> gold <sup>3</sup>     | 0.4VA max          | 20V max (AC/DC)               | IP67      |

### 7. EPOXY SEAL

**E** Epoxy Seal

Notes: Switches supplied with (1) 2MI-HDW4 hex nut and (1) 3MNH-WCP-0872 O-Ring  
1 Movable contact and terminal platings: silver over copper alloy  
2 Movable contact and terminal platings: gold over nickel over copper alloy  
3 Terminal platings: gold over nickel over copper alloy  
4 Terminal platings: tin over copper alloy  
5 Terminal contact platings: gold over nickel alloy  
6 Terminal contact platings: silver over nickel alloy  
7 Tin option not available with M1 & M3 terminations.

[Configure Complete Part Number >](#)

[Browse Standard Parts >](#)

# Ordering Scheme

Sample Part Number **2MS - WSP 1 - T1 - B4 - M1 G E**

Selection 1 2 3 4 5 6 7 8

## 1. SERIES

**2MS** Sealed Miniature Toggle Switch

## 2. POLES

**WSP** Single pole - uses terminals 1, 2 & 3  
**WDP** Double pole - uses terminals 1, 2, 3, 4, 5 & 6  
**W3P** Three pole - uses terminals 1, 2, 3, 4, 5, 6, 7, 8 & 9

## 3. CIRCUIT

( ) - momentary  
**Position:** **1** **2** **3**  
2-3, 5-6 Connected Terminals 2-1, 5-4  
**1** ON NONE ON  
**2** ON NONE (ON)  
**3** ON OFF ON  
**4** (ON) OFF (ON)  
**5** ON OFF (ON)

## 4. ACTUATOR STYLE

**T1** Round Bat **P1** Plastic Anti-Static .496" length  
**T2** Round Short Bat **P2** Plastic Anti-Static .299" length  
**T9** Long Black Plastic .492" length

## 5. BUSHING

**B1** Threaded, Keyway **B4** Unthreaded, Short, Keyway, Flat

Notes:  
B1 Bushing switches supplied with (2) 2M1-HDW2 nuts, (1) 2M1-HDW11 washer and (1) 2M1-HDW15 locking ring. See page 76-77.  
1 Movable contact & terminal platings: silver over copper alloy  
2 Movable contact & terminal platings: gold over nickel over copper alloy  
3 Terminal platings: tin over nickel over copper alloy  
4 Tin option not available with M1 terminal

## 6. TERMINATION

**M1** Solder Lug **VS21** Vertical, Snap-In, .460" [11.70mm]  
**M2** PCB **VS3** Vertical, .630" [16mm]  
**M3** Quick Connect **VS31** Vertical, Snap-In, .630" [16mm]  
**M51** Wire Wrap, .750" [19.05mm] **U2** Vertical, .551" [14mm] - only 3PDT  
**M52** Wire Wrap, .964" [24.48mm] **VS4** Vertical, .461" [11.70mm]  
**M53** Wire Wrap, .425" [10.80mm] **VS41** Vertical, Snap-In, .461" [11.70mm]  
**M54** Wire Wrap, 1.062" [25.97mm] **U4** Vertical, .551" [14mm] - only 3PDT  
**M6** Right Angle, PC Thru-Hole **VS5** Vertical, .630" [16mm]  
**M61** Right Angle, Snap-In **VS51** Vertical, Snap-In, .630" [16mm]  
**M7** Vertical, Right Angle, PC Thru-Hole  
**M71** Vertical, Right Angle, Snap-In  
**VS2** Vertical, .461" [11.70mm]

## 7. CONTACTS / TERMINALS

| Contact Material             | Terminal Plating  | Rating                        | Approvals |
|------------------------------|-------------------|-------------------------------|-----------|
| <b>G</b> silver <sup>1</sup> | gold over silver  | 5A 125VAC or 28VDC, 2A 250VAC | us, IP67  |
| <b>K</b> gold <sup>2</sup>   | tin 3, 4          | 0.4VA max 20V max (AC/DC)     | IP67      |
| <b>P</b> silver <sup>1</sup> | tin 3, 4          | 5A 125VAC or 28VDC, 2A 250VAC | us, IP67  |
| <b>R</b> gold <sup>2</sup>   | gold <sup>2</sup> | 0.4VA max 20V max (AC/DC)     | IP67      |

## 8. EPOXY SEAL

**E** Epoxy Seal **0** without Epoxy Seal

[Configure Complete Part Number >](#)

[Browse Standard Parts >](#)

Sample Part Number **2M1 - SP 1 - T1 - B1 - M1 Q E**

Selection 1 2 3 4 5 6 7 8

## 1. SERIES

**2M1** Miniature Toggle Switch

## 2. POLES

**SP** Single pole - uses terminals 1, 2 & 3  
**DP** Double pole - uses terminals 1, 2, 3, 4, 5 & 6  
**3P** Three pole - uses terminals 1, 2, 3, 4, 5, 6, 7, 8 & 9  
**4P** Four pole - uses terminals 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12

## 3. CIRCUIT

( ) - momentary  
**Position:** **1** **2** **3**  
2-3, 5-6, 8-9, 11-12 Connected Terminals 2-1, 5-4, 8-7, 11-10  
**1** ON NONE ON  
**2** ON NONE (ON)  
**3** ON OFF ON  
**4** (ON) OFF (ON)  
**5** ON OFF (ON)  
**6\*** ON ON ON  
**7\*** (ON) ON (ON)  
**8\*** ON ON (ON)

\*Available with DP and 4P switches only. Center position connects 2-3, 5-4, 8-9, 11-10

## 4. ACTUATOR STYLE

**T1** Round Bat **T7** Large Bat (B0 bushing)  
**T2** Round Short Bat **T8** X-Large Bat (B0 bushing)  
**T3** Paddle **T9** Black Plastic  
**T4** Medium Paddle **T0** Rectangular  
**TA** Locking Lever **TA** Locking Lever  
**T5** Long Paddle **TI** Locking Lever  
**T6** Flat (B1,B2,B5,BA,BB,BE) **TL** Locking Lever

Notes: B1 Bushing switches supplied with (2) 2M1-HDW2 nuts, (1) 2M1-HDW11 washer and (1) 2M1-HDW15 locking ring.

1 Movable contact & terminal platings: silver over copper alloy  
2 Movable contact & terminal platings: gold over nickel over copper alloy  
3 Terminal platings: tin over nickel over copper alloy  
4 Tin option not available with M1 terminal Movable contact & terminal platings: silver over copper alloy  
5 Movable contact & terminal platings: gold over nickel over copper alloy  
6 Terminal platings: tin over nickel over copper alloy  
7 Tin option not available with M1 terminal

## 5. BUSHING

**B1** Threaded Standard, keyway **B9** Splashproof  
**B2** Non-Threaded Standard, keyway **B0** 15/32" Threaded (Standard for T7 & T8 actuator styles)  
**B3** Threaded Short, keyway **BA** Threaded for T6  
**B4** Non-Threaded Short, keyway **BA** Threaded for T6  
**B5** High Torque, 7.5mm, flat **BB** Non-Threaded for T6  
**B6** High Torque, 8.0mm, keyway **BE** Threaded Hi Torque for T6  
**B7** Long threaded **BL** Threaded, Locking  
**B8** Metric

## 6. TERMINATION

**M1** Solder Lug **VS21** Vertical, Snap-In, .460" [11.70mm]  
**M2** PCB **VS3** Vertical, .630" [16mm]  
**M3** Quick Connect **VS31** Vertical, Snap-In, .630" [16mm]  
**M51** Wire Wrap, .750" [19.05mm] **U2** Vertical, .551" [14mm] - only 3PDT  
**M52** Wire Wrap, .964" [24.48mm] **VS4** Vertical, .461" [11.70mm]  
**M53** Wire Wrap, .425" [10.80mm] **VS41** Vertical, Snap-In, .461" [11.70mm]  
**M54** Wire Wrap, 1.062" [25.97mm] **U4** Vertical, .551" [14mm] - only 3PDT  
**M6** Right Angle, PC Thru-Hole **VS5** Vertical, .630" [16mm]  
**M61** Right Angle, Snap-In **VS51** Vertical, Snap-In, .630" [16mm]  
**M7** Vertical, Right Angle, PC Thru-Hole  
**M71** Vertical, Right Angle, Snap-In  
**VS2** Vertical, .461" [11.70mm]

## 7. CONTACTS / TERMINALS

| Contact Material             | Terminal Plating    | Rating                        | Approvals |
|------------------------------|---------------------|-------------------------------|-----------|
| <b>G</b> silver <sup>1</sup> | gold over silver    | 5A 125VAC or 28VDC, 2A 250VAC | us, IP67  |
| <b>K</b> gold <sup>2</sup>   | tin 3, 4            | 0.4VA max 20V max (AC/DC)     | N/A       |
| <b>P</b> silver <sup>1</sup> | tin 3, 4            | 5A 125VAC or 28VDC, 2A 250VAC | us, IP67  |
| <b>Q</b> silver <sup>1</sup> | silver <sup>1</sup> | 5A 125VAC or 28VDC, 2A 250VAC | us, IP67  |
| <b>R</b> gold <sup>2</sup>   | gold <sup>2</sup>   | 0.4VA max 20V max (AC/DC)     | N/A       |

## 8. EPOXY SEAL

**E** Epoxy Seal **0** without Epoxy Seal

[Configure Complete Part Number >](#)

[Browse Standard Parts >](#)

# Ordering Scheme Accessories

## 2M-Series Accessories

To order accessories assembled on a switch, specify the switch number followed by the accessory part number and the word "assembled".  
Ex: 2M1-SPI-T1-B1-MIQE-T12 ASSEMBLED. To order accessories in bulk, specify the Series, followed by the accessory. Ex: 2M1-T12. See page 76 for dimensional specifications.

## Optional Toggle Cap

Sample  
Part Number 2M1 - T1 2

Selection            1                                  2                                  3

### 1. SERIES

**2M1** Fits 2M1H, 2MS or 2M1

### 2. TOGGLE CAP SIZE

**T1** 10.6 mm            **T2** 7.6 mm

### 3. CAP COLOR

|   |       |   |        |
|---|-------|---|--------|
| 1 | White | 5 | Yellow |
| 2 | Black | 6 | Green  |
| 3 | Red   | 7 | Blue   |

## Optional Dress and Knurled Nuts

Sample  
Part Number 2M1 - HDW3

Selection            1                                  2

### 1. SERIES

**2M1** Fits 2M1H, 2MS or 2M1

### 2. NUT

**HDW3** Dress nut for 1/4" bushing  
**HDW5** Knurled nut for 15/32" bushing (2M1-Series only)

## Optional Rubber Seals

Sample  
Part Number 2M1 - E1A

Selection            1                                  2

### 1. SERIES

**2M1** Fits 2M1H, 2MS or 2M1

### 2. RUBBER BOOT SEAL

**E1A** 1/4 - 40" UNS bushing (Not available for B0 bushing option)  
**K1** Metric M6 bushing (B8 bushing only)  
**YE1D** 15/32 - 32" UNS bushing (TJ, TK and B0 bushings only)  
**YE1E** 15/32 - 32" UNS bushing 1/2 boot (T7, T8, TJ, TK and B0 bushings only)

Sample  
Part Number 3MNH - WCP-0872

Selection            1                                  2

### 1. SERIES

**3MNH** Fits 3MNH or 2M1H

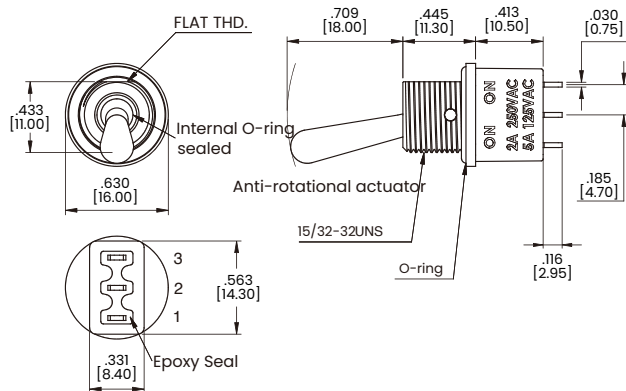
### 2. RUBBER O-RING

**WCP-0872** For 15/32 bushing option

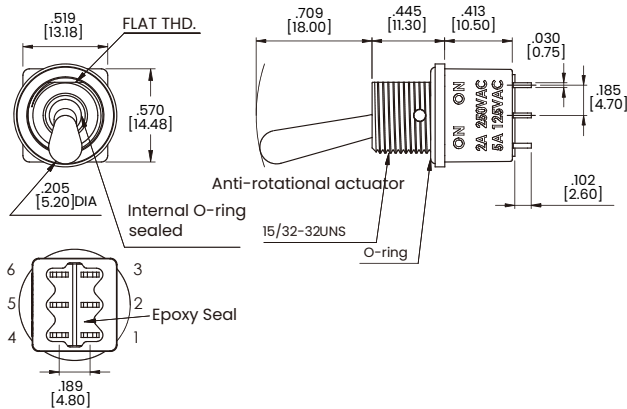
# Dimensional Specs

inches [millimeters]

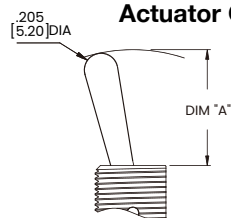
## Single Pole



## Double Pole

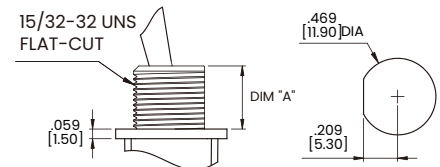


## Actuator Options



| OPTION CODE | DIM. "A"     |
|-------------|--------------|
| TJ          | .709 [18.00] |
| TK          | .512 [13.00] |

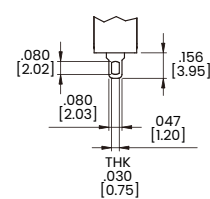
## Bushing Options & Mounting



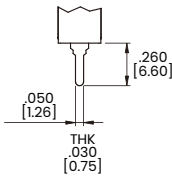
| OPTION CODE | DIM. "A"    |
|-------------|-------------|
| BK          | .386 [9.80] |

## Termination Options

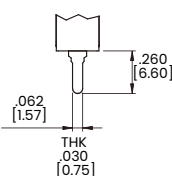
### M1 Standard Solder Lug



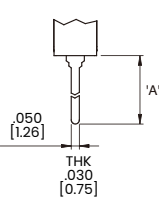
### M2 PC Thru-Hole



### M3 Quick Connect



### M5 Wire Wrap

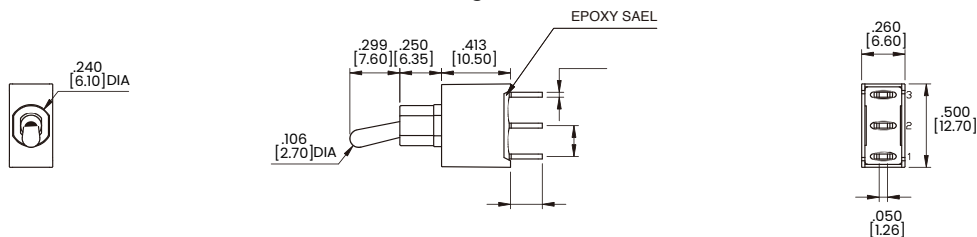


| OPTION CODE | DIM. "A"      |
|-------------|---------------|
| M5-1        | .750 [19.05]  |
| M5-2        | .964 [24.48]  |
| M5-3        | .425 [10.80]  |
| M5-4        | 1.062 [26.97] |

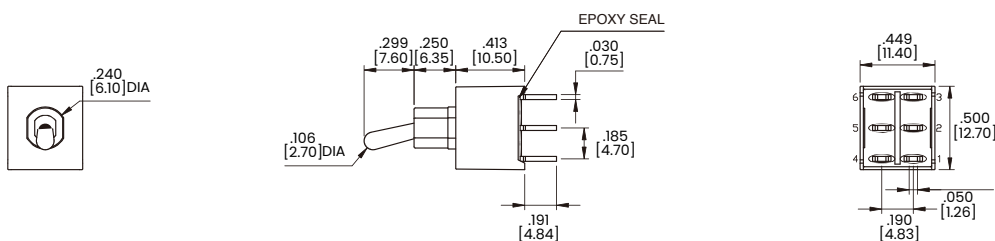
# Dimensional Specs

inches [millimeters]

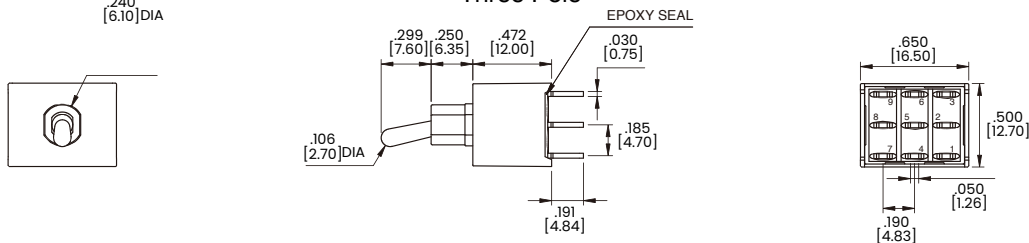
## Single Pole



## Double Pole

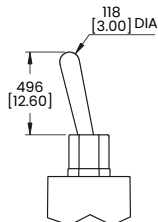


## Three Pole

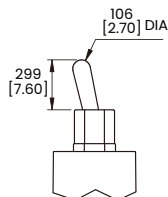


## Actuator Options

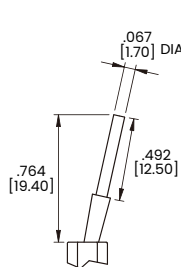
### T1



### T2

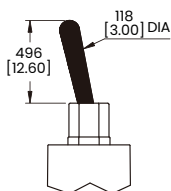


### T9 with Plastic Cap

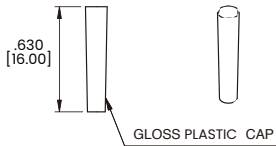
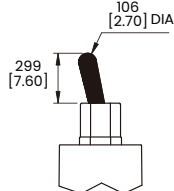


| NO. | COLOR       |
|-----|-------------|
| 1   | White       |
| 2   | Black(std.) |
| 3   | Red         |
| 4   | Orange      |
| 5   | Yellow      |
| 6   | Green       |
| 7   | Blue        |
| 8   | Brown       |
| 9   | Gray        |

### P1 Plastic Toggle



### P2 Plastic Toggle



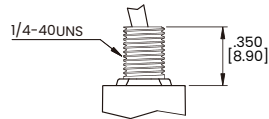
\* Shown with B4 bushing. Subtract 0.75" (1.90mm) from actuator height for B1 bushing.

# Dimensional Specs

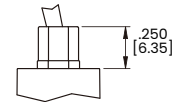
inches [millimeters]

## Bushing Options

**B1**

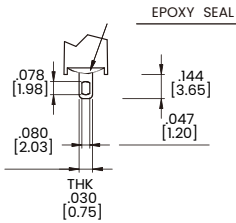


**B4**

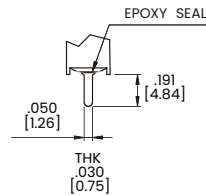


## Termination Options

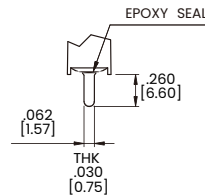
**M1 Standard Solder Lug**



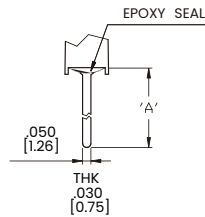
**M2 PC Thru-Hole**



**M3 Quick Connect**

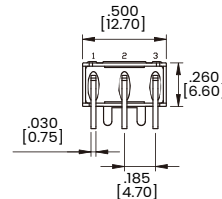
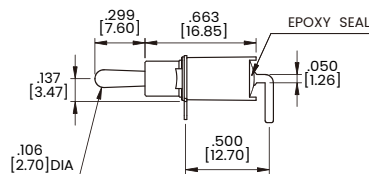
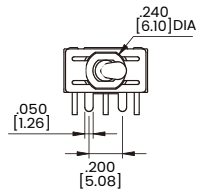


**M5 Wire Wrap**

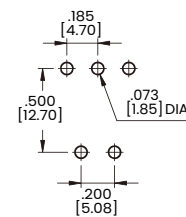


| OPTION CODE | DIM.'A'       |
|-------------|---------------|
| <b>M5-1</b> | .750 [19.05]  |
| <b>M5-2</b> | .964 [24.48]  |
| <b>M5-3</b> | .425 [10.80]  |
| <b>M5-4</b> | 1.062 [26.97] |

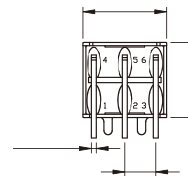
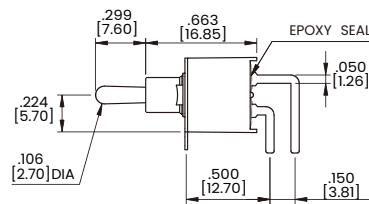
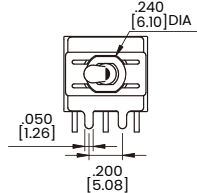
**M6 Single Pole**



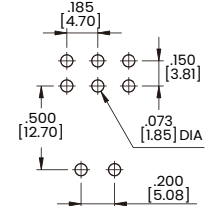
**P.C.MOUNTING**



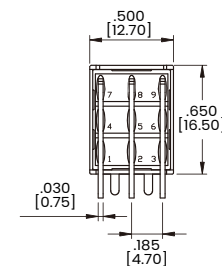
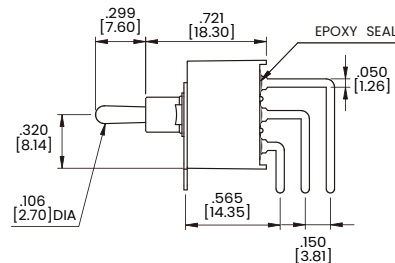
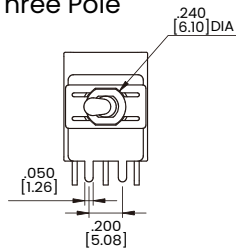
**M6 Double Pole**



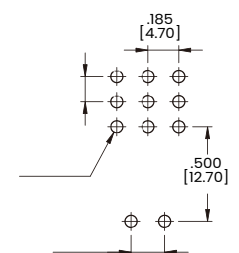
**P.C.MOUNTING**



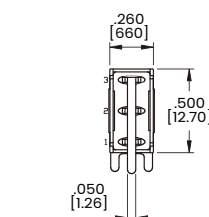
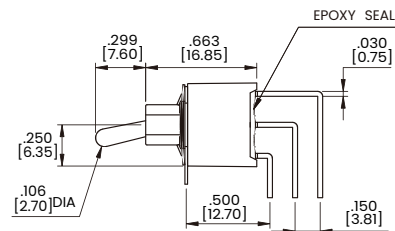
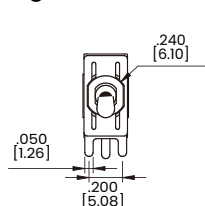
**M6 Three Pole**



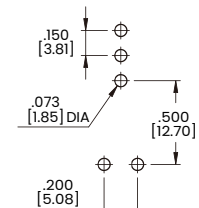
**P.C.MOUNTING**



**M7 Single Pole**



**P.C.MOUNTING**

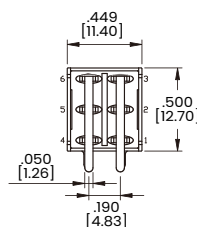
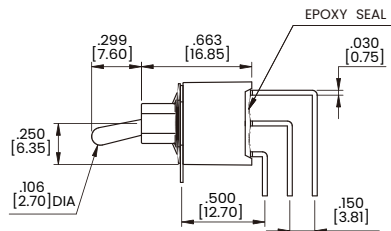
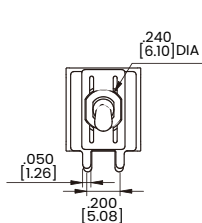


# Dimensional Specs

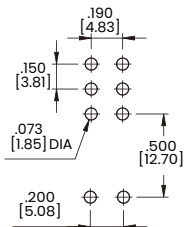
inches [millimeters]

## Termination Options

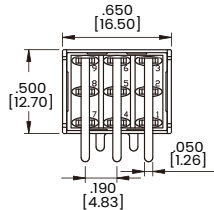
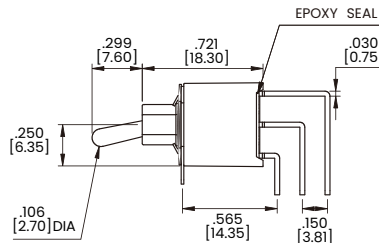
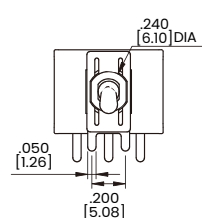
### M7 Double Pole



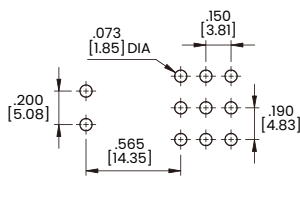
### P.C.MOUNTING



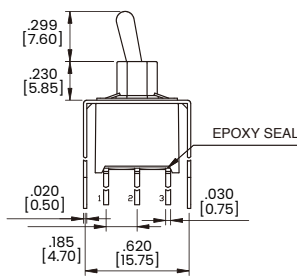
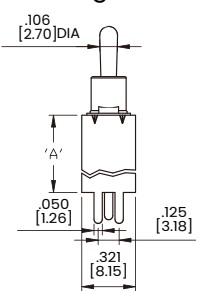
### M7 Three Pole



### P.C.MOUNTING

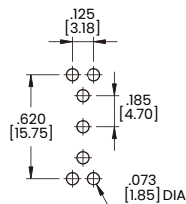


### VS2-VS3 Single Pole

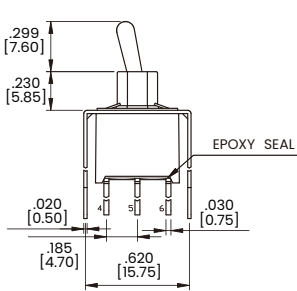
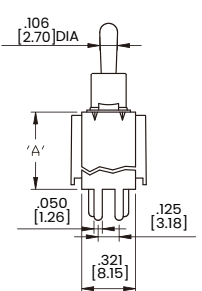


| OPTION CODE | DIM.'A'      |
|-------------|--------------|
| VS2         | .461 [11.70] |
| VS3         | .630 [16.00] |

### P.C.MOUNTING

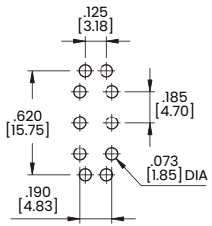


### VS2-VS3 Double Pole

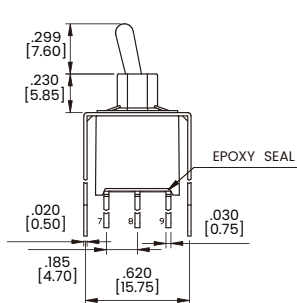
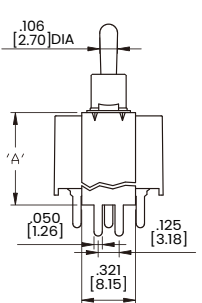


| OPTION CODE | DIM.'A'      |
|-------------|--------------|
| VS2         | .461 [11.70] |
| VS3         | .630 [16.00] |

### P.C.MOUNTING

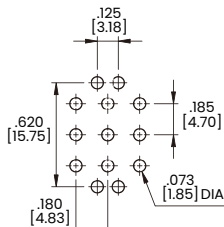


### U2-VS3 Three Pole



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

### P.C.MOUNTING

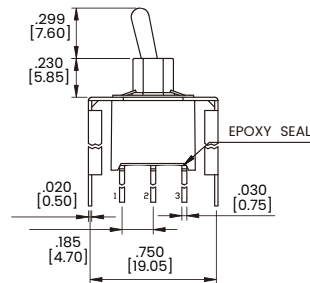
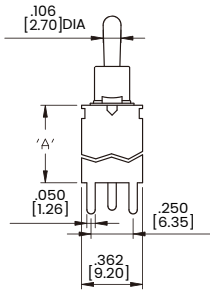


# Dimensional Specs

inches [millimeters]

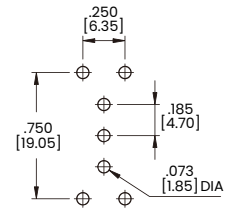
## Termination Options

### VS4-VS5 Single Pole

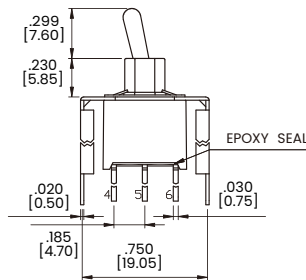
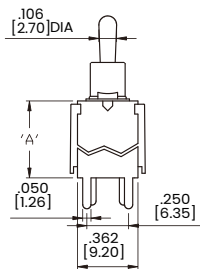


| OPTION CODE | DIM.'A'      |
|-------------|--------------|
| <b>VS4</b>  | .461 [11.70] |
| <b>VS5</b>  | .630 [16.00] |

### P.C.MOUNTING

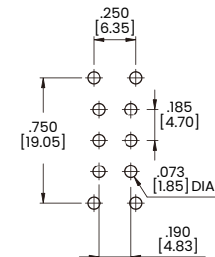


### VS4-VS5 Double Pole

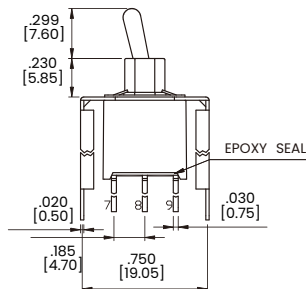
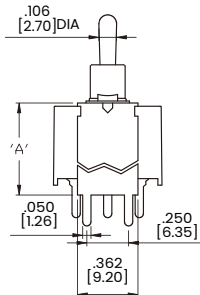


| OPTION CODE | DIM.'A'      |
|-------------|--------------|
| <b>VS4</b>  | .461 [11.70] |
| <b>VS5</b>  | .630 [16.00] |

### P.C.MOUNTING

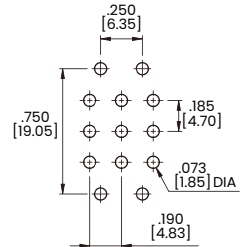


### U4-VS5 Three Pole



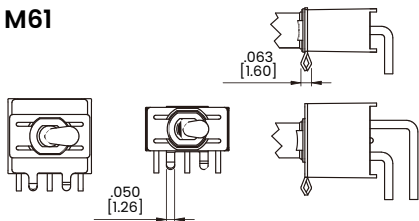
| OPTION CODE | DIM.'A'      |
|-------------|--------------|
| <b>U4</b>   | .551 [14.00] |
| <b>VS5</b>  | .630 [16.00] |

### P.C.MOUNTING

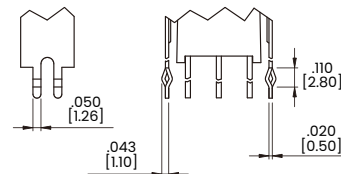


## Snap-In Termination Options

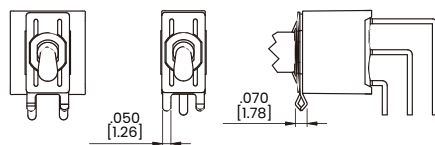
### M61



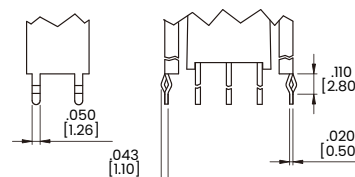
### VS21, VS31



### M71



### VS41, VS51

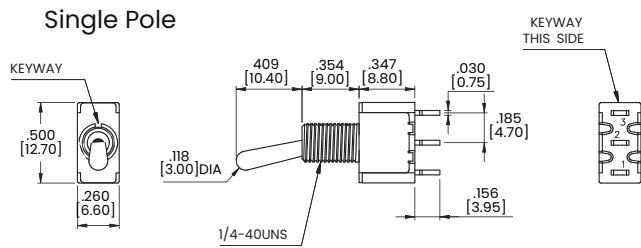


\* PC Mounting for M61, M71, VS21, VS31, VS41, VS51 refer to M6, M7, VS2, VS3, VS4, VS5 respectively.

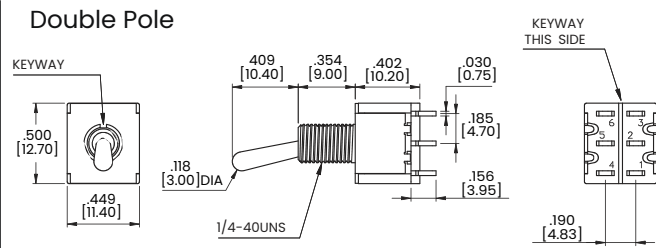
# Dimensional Specs

inches [millimeters]

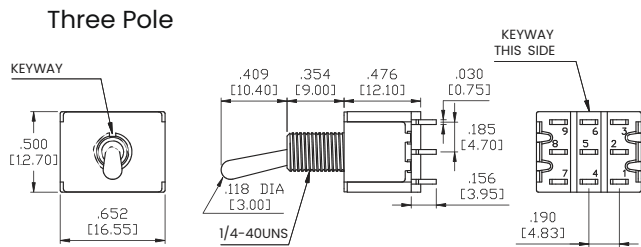
## Single Pole



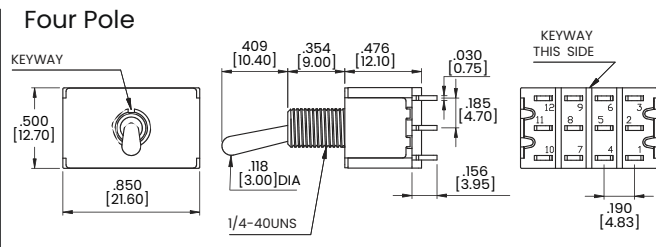
## Double Pole



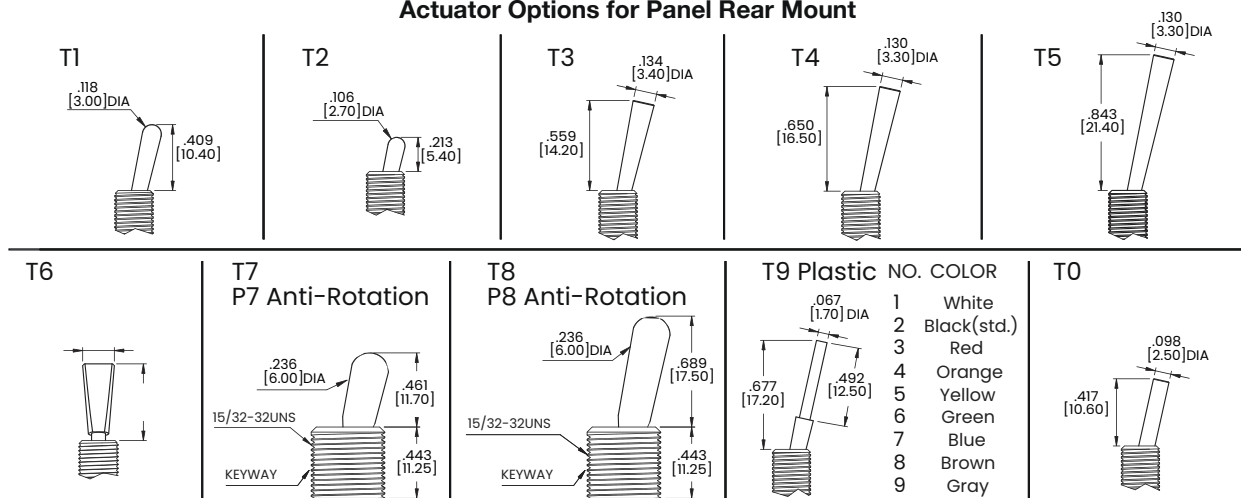
## Three Pole



## Four Pole

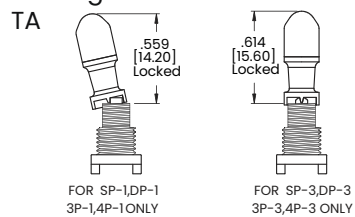


## Actuator Options for Panel Rear Mount

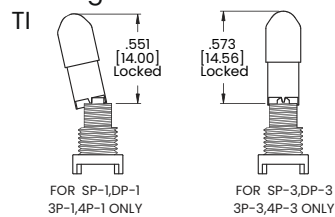


\* T6 actuator is available with B1, B2, B5, B6, BA, BB & BE bushing. Actuator length shown for T1-T5, T9 and T10 is with B1 bushing. T7, P7, P8 does not require a bushing code.

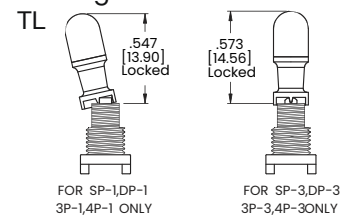
## Locking Lever



## Locking Lever

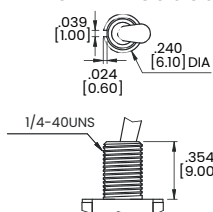


## Locking Lever

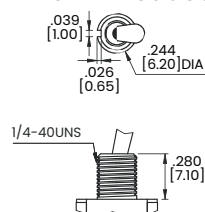


## Bushing Options

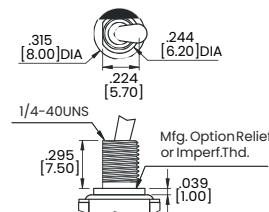
### B1 Threaded B2 Non-Threaded



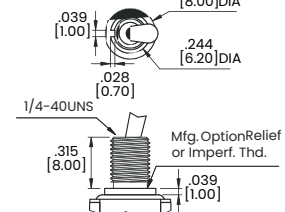
### B3 Threaded B4 Non-Threaded



### B5 High Torque



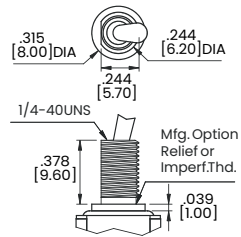
### B6 High Torque



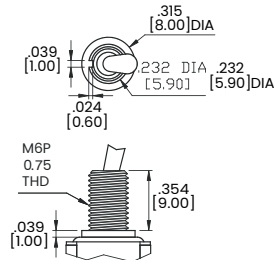
# Dimensional Specs

inches [millimeters]

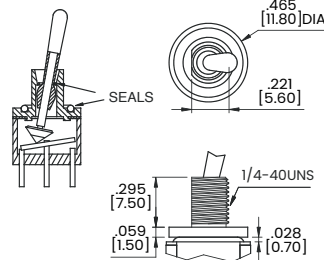
## B7 Long



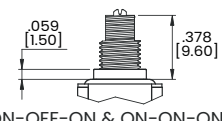
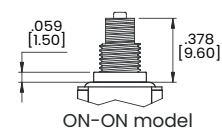
## B8 Metric



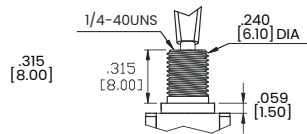
## B9 Splash-Proof



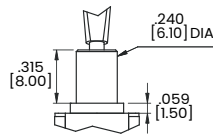
## BL Locking Lever



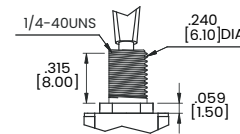
## BA Threaded for T6



## BB Non-Threaded for T6

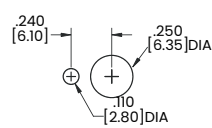
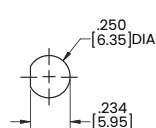
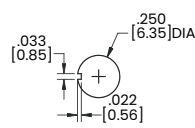


## BB High Torque for T6

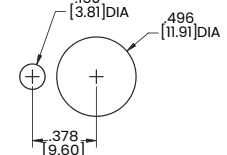
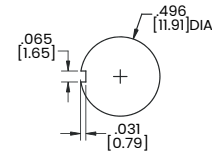


## Panel Mounting

### 1/4 INCH BUSHING

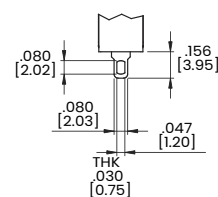


### 15/32 INCH BUSHING

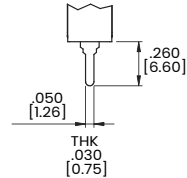


## Termination Options

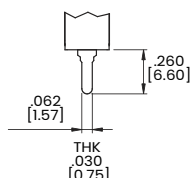
### M1 Standard Solder Lug



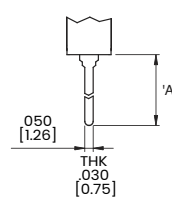
### M2 PC Thru-Hole



### M3 Quick Connect

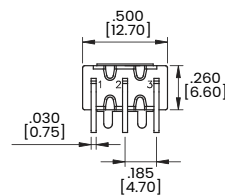
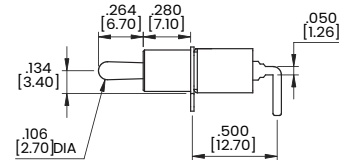
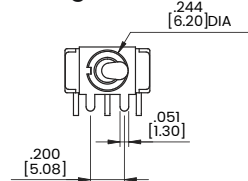


### M5 Wire Wrap

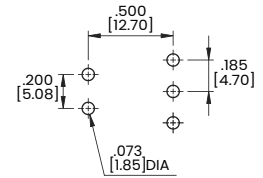


| OPTION CODE | DIM. 'A'      |
|-------------|---------------|
| M5-1        | .750 [19.05]  |
| M5-2        | .964 [24.48]  |
| M5-3        | .425 [10.80]  |
| M5-4        | 1.062 [26.97] |

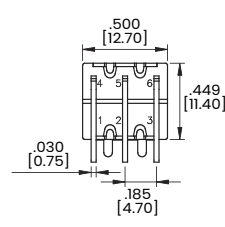
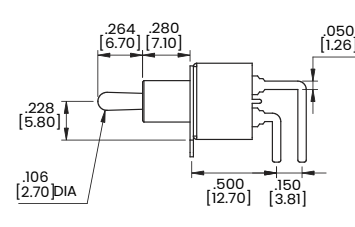
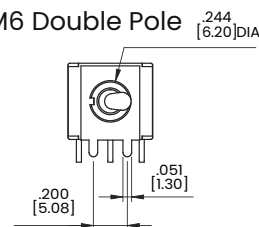
### M6 Single Pole



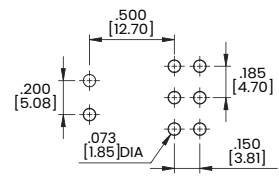
### P.C.MOUNTING



### M6 Double Pole



### P.C.MOUNTING

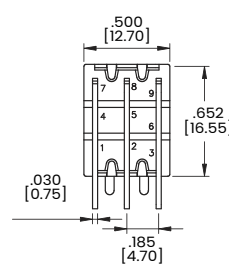
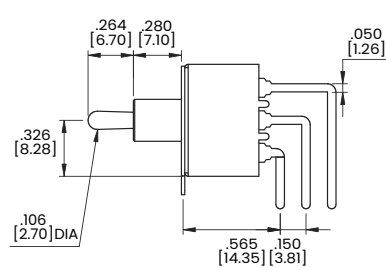
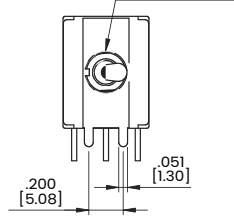


# Dimensional Specs

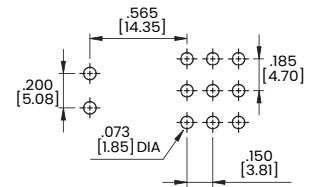
inches [millimeters]

## Termination Options

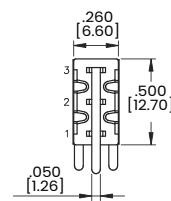
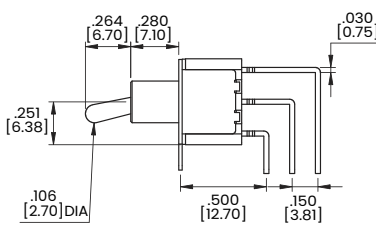
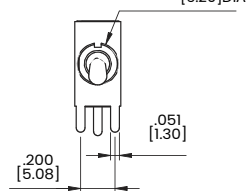
M6 Three Pole



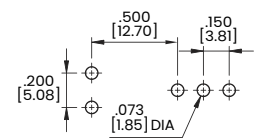
P.C.MOUNTING



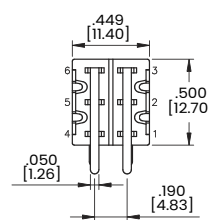
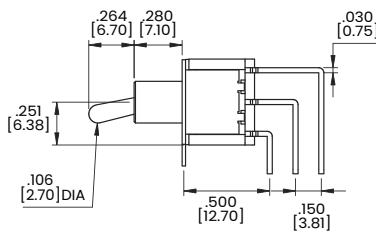
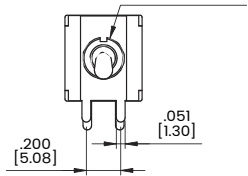
M7 Single Pole



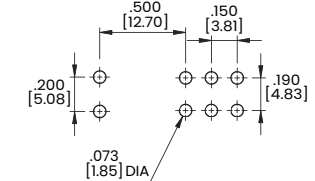
P.C.MOUNTING



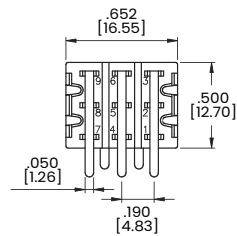
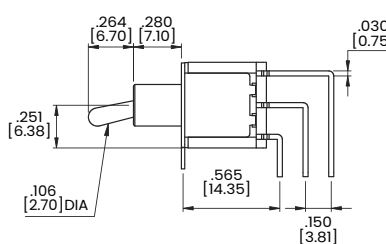
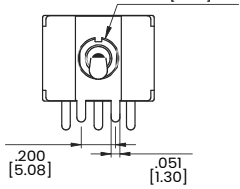
M7 Double Pole



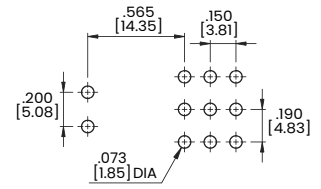
P.C.MOUNTING



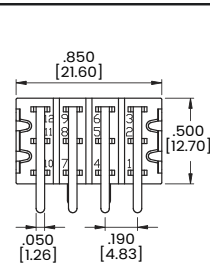
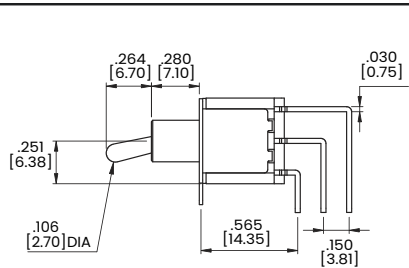
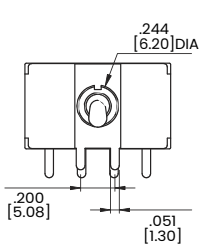
M7 Three Pole



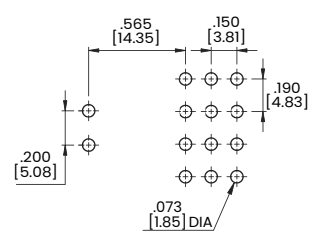
P.C.MOUNTING



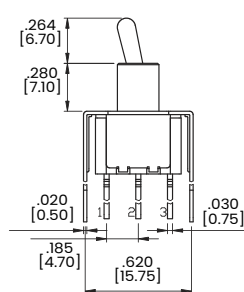
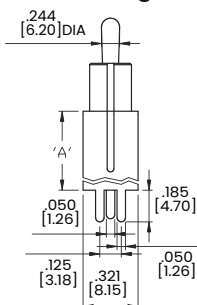
M7 Four Pole



P.C.MOUNTING

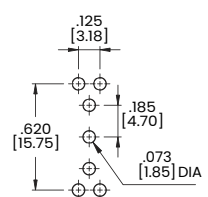


VS2-VS3 Single Pole



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

P.C.MOUNTING

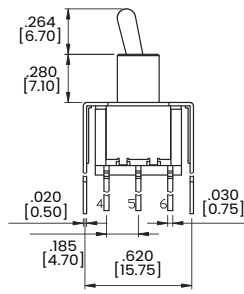
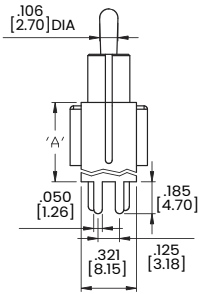


# Dimensional Specs

inches [millimeters]

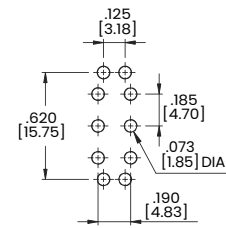
## Termination Options

### VS2-VS3 Double Pole

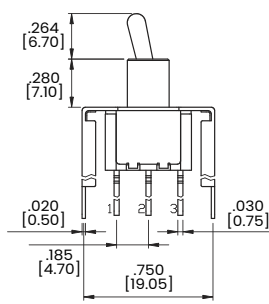
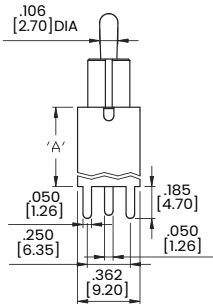


| OPTION CODE | DIM.'A'      |
|-------------|--------------|
| VS2         | .461 [11.70] |
| VS3         | .630 [16.00] |

### P.C.MOUNTING

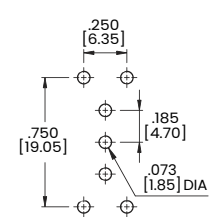


### VS4-VS5 Single Pole

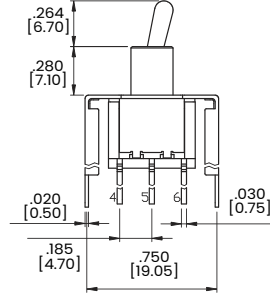
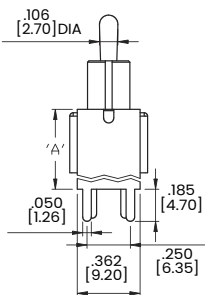


| OPTION CODE | DIM.'A'      |
|-------------|--------------|
| VS4         | .461 [11.70] |
| VS5         | .630 [16.00] |

### P.C.MOUNTING

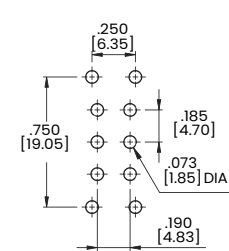


### VS4-VS5 Double Pole



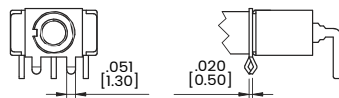
| OPTION CODE | DIM.'A'      |
|-------------|--------------|
| VS4         | .461 [11.70] |
| VS5         | .630 [16.00] |

### P.C.MOUNTING

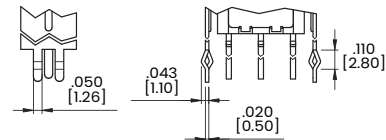


## Snap-In Termination Options

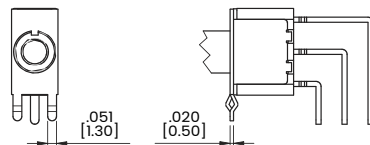
### M61 (available with SP & DP)



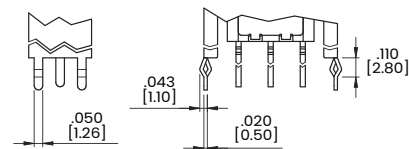
### VS21, VS31



### M71 (available with SP & DP)



### VS41, VS51



\* PC Mounting for M61,M71,VS21,VS31,VS41,VS5 1 refer to M6,M7,VS2,VS3,VS4,VS5 respectively.

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