



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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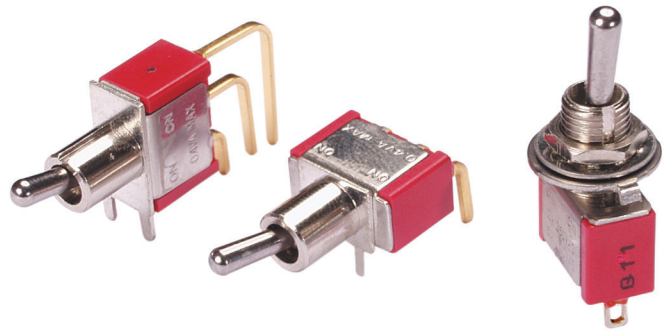
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**SERIES 34A**  
Miniature Toggle Switches

**FEATURES**

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

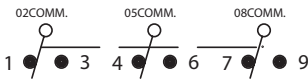


MODELS in inches (and millimeters)

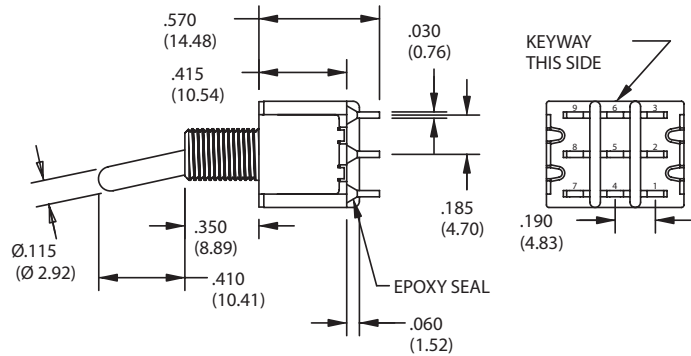
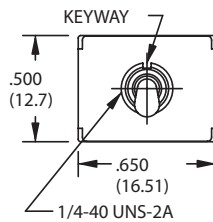
**SPDT**

| MODEL NO.   | SWITCH POSITION |      |                |
|-------------|-----------------|------|----------------|
|             | ON              | NONE | ON             |
| 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<br>8-9  | OPEN | 2-1,5-4<br>8-7 |

( )=MOMENTARY



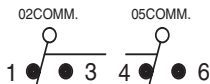
SCHEMATIC



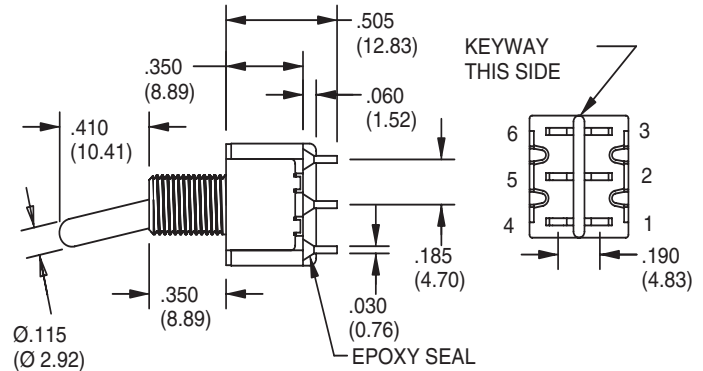
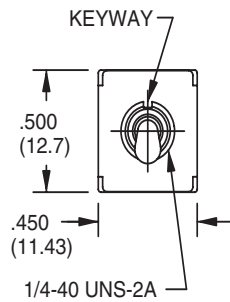
**DPDT**

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

( )=MOMENTARY



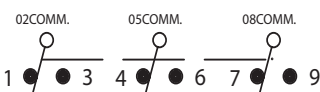
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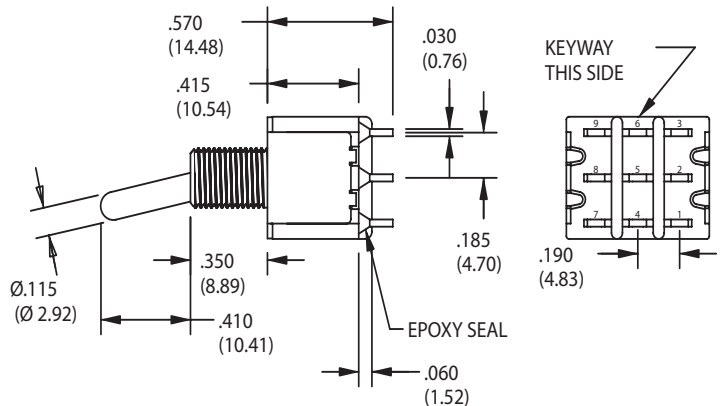
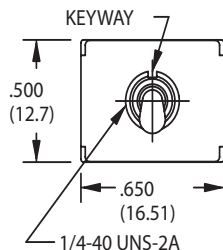
**3PDT**

| MODEL NO.   | SWITCH POSITION |      |                |
|-------------|-----------------|------|----------------|
|             | ON              | NONE | ON             |
| 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<br>8-9  | OPEN | 2-1,5-4<br>8-7 |

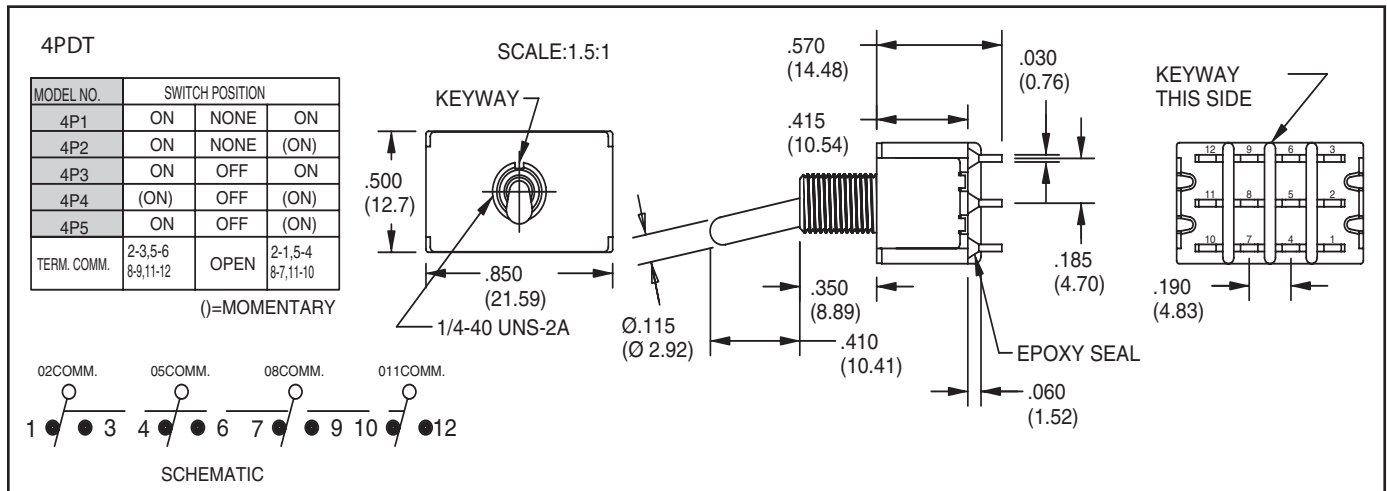
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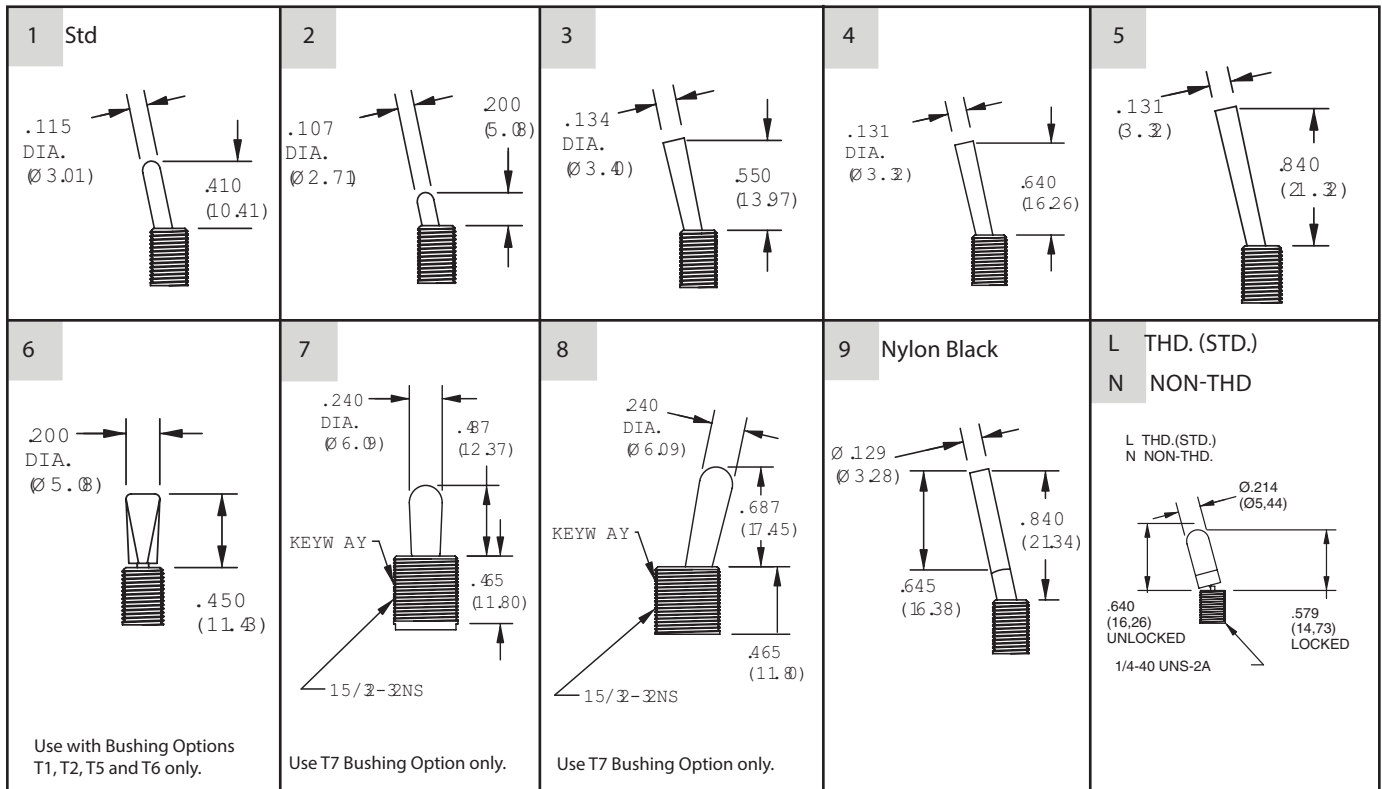
SCHEMATIC



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)

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

PANEL MOUNTING in inches (and millimeters)

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

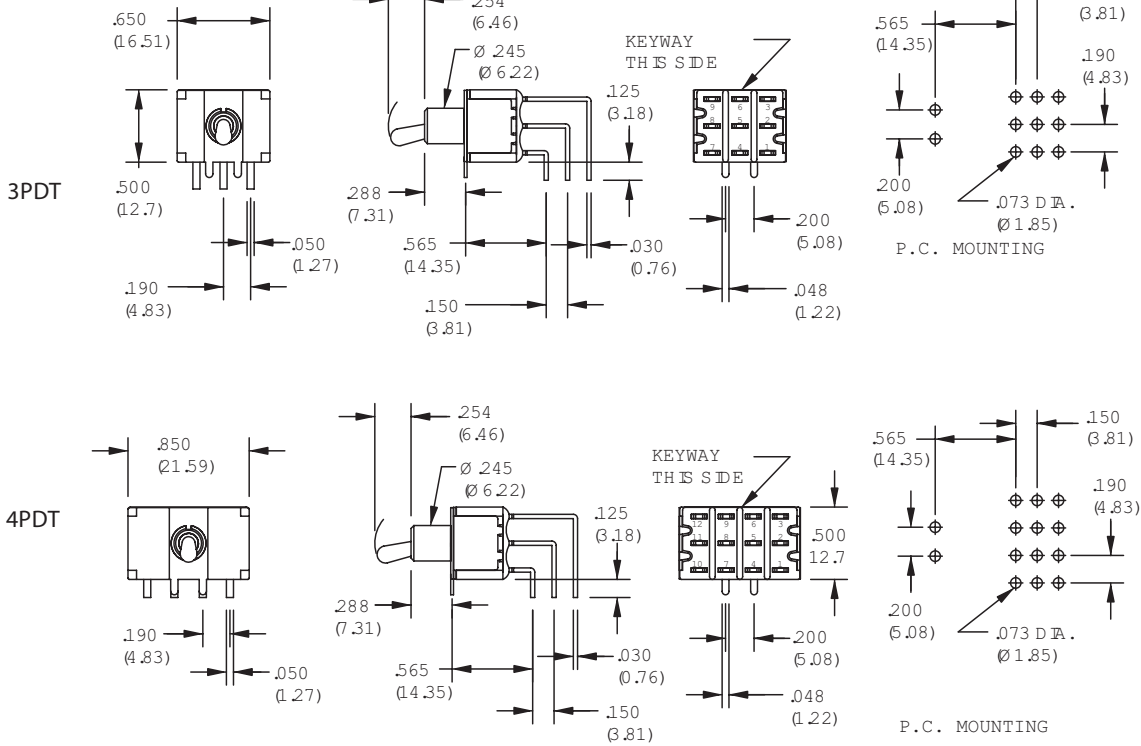
TERMINATION OPTIONS in inches (and millimeters)

| <p><b>M1 Solder Lug (Std)</b></p>                             | <p><b>M2 P.C. Mount</b></p> | <p><b>M3 P.C. Mount, Quick Connect WX</b></p> | <p><b>WIRE WRAP</b></p> <table border="1"> <thead> <tr> <th>OPTION CODE</th> <th>DIM."A"</th> </tr> </thead> <tbody> <tr> <td>W1</td> <td>.750(19.05)</td> </tr> <tr> <td>W2</td> <td>.964(24.48)</td> </tr> <tr> <td>W3</td> <td>.425(10.80)</td> </tr> <tr> <td>W4</td> <td>1.062(26.97)</td> </tr> </tbody> </table> | OPTION CODE | DIM."A" | W1 | .750(19.05) | W2 | .964(24.48) | W3 | .425(10.80) | W4 | 1.062(26.97) |
|---|-----------------------------|---|---|-------------|---------|----|-------------|----|-------------|----|-------------|----|--------------|
| OPTION CODE   | DIM."A"                     |   |   |             |         |    |             |    |             |    |             |    |              |
| W1  | .750(19.05)                 |   |   |             |         |    |             |    |             |    |             |    |              |
| W2  | .964(24.48)                 |   |   |             |         |    |             |    |             |    |             |    |              |
| W3  | .425(10.80)                 |   |   |             |         |    |             |    |             |    |             |    |              |
| W4  | 1.062(26.97)                |   |   |             |         |    |             |    |             |    |             |    |              |
| <p><b>M6 Right Angle P.C. Mount, Horizontal Actuation</b></p> |                             |   |   |             |         |    |             |    |             |    |             |    |              |
| <p><b>M7 Right Angle P.C. Mount, Vertical Actuation</b></p>   |                             |   |   |             |         |    |             |    |             |    |             |    |              |

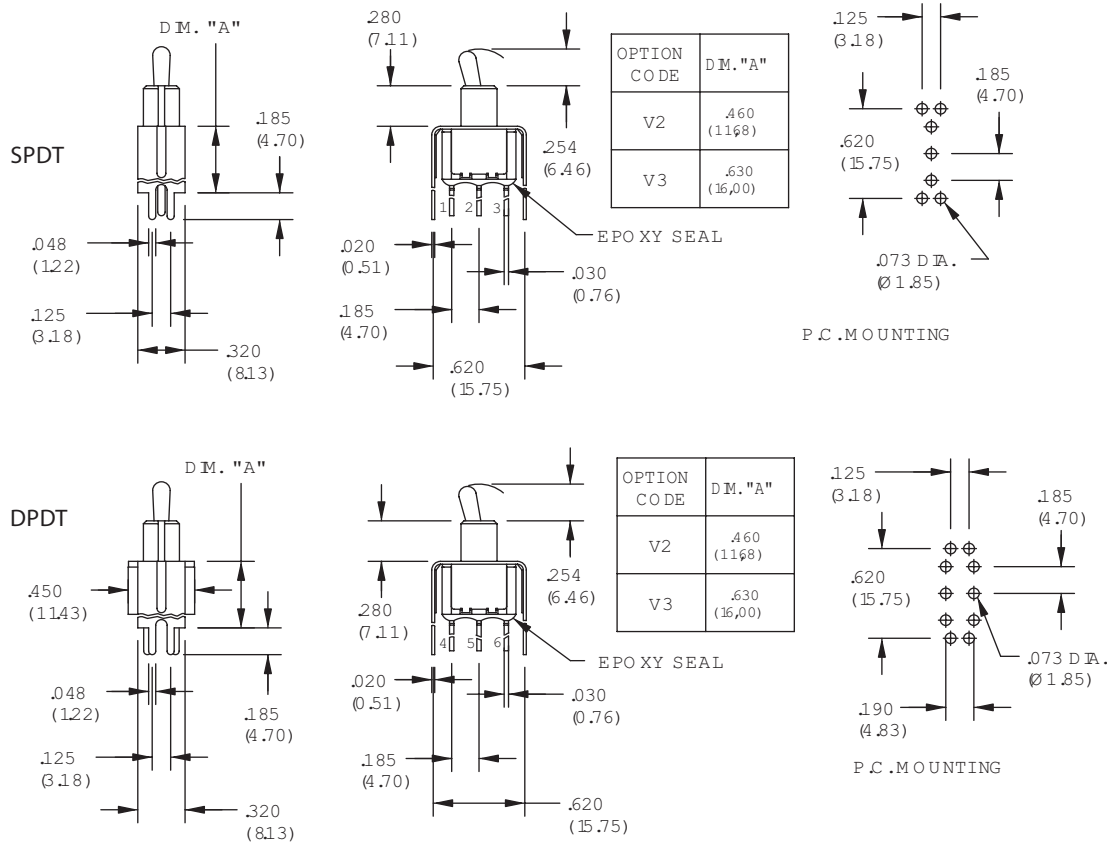
Toggle Switches

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**

34ASP12B4M2RT

Series 34A Miniature Toggle Switch  
 Model: SPDT: SP1, SP2, SP3, SP4, SP5,  
 DPDT: DP1, DP2, DP3, DP4, DP5  
 3PDT: 3P1, 3P2, 3P3, 3P4, 3P5  
 4PDT: 4P1, 4P2, 4P3, 4P4, 4P5  
 (See Model options)  
 Actuator Options: 1, 2, 3, 4, 5, 6, 7, 8, 9, L, N  
 (See Actuator options.)  
 Bushing Options: B1, B2, B3, B4, B5, B6, B7, B8, B9, T1, T2, T5, T6  
 (See Bushing options.)

RoHS Compliant

Contact: R: Copper alloy, gold plate over nickel plate  
 Q: Copper alloy, silver plated  
 G: Copper alloy, gold plate over silver plate

Termination Options: M1, M2, M3, M6, M7, V2, V3, W1, W2, W3, W4  
 (See Termination options.)

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

Toggle Switches

**HARDWARE** in inches (and millimeters)

| NUTS                                       |   |  |   |
|--|---|--|---|
| <p>Series 34A (Std)</p> <p>HDW2</p>        | <p>Dress Nut</p> <p>HDW3</p>                  | <p>For Actuator Options 7, 8 (Std)</p> <p>HDW4</p> | <p>Knurled Nut (Sealed)</p> <p>HDW5</p>       |
| LOCKING RINGS                              |   | LOCK WASHERS                                       |   |
| <p>Series 34A (Std)</p> <p>HDW15 HDW16</p> | <p>For Actuator Options 7, 8</p> <p>HDW17</p> | <p>Series 34A (Std)</p> <p>HDW11</p>               | <p>For Actuator Options 7, 8</p> <p>HDW12</p> |