



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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## SERIES 34C Sub-Miniature Toggle Switches

### FEATURES

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



### MODELS In inches (and millimeters)

#### SPDT

MODEL NO.	SWITCH POSITION		
MSP1	ON	NONE	ON
MSP2	ON	NONE	(ON)
MSP3	ON	OFF	ON
MSP4	(ON)	OFF	(ON)
MSP5	ON	OFF	(ON)
TERM. COMM.	2-3	OPEN	2-1

( )=MOMENTARY

SCHEMATIC

#### DPDT

MODEL NO.	SWITCH POSITION		
MDP1	ON	NONE	ON
MDP2	ON	NONE	(ON)
MDP3	ON	OFF	ON
MDP4	(ON)	OFF	(ON)
MDP5	ON	OFF	(ON)
TERM. COMM.	2-3, 5-6	OPEN	2-1, 5-4

( )=MOMENTARY

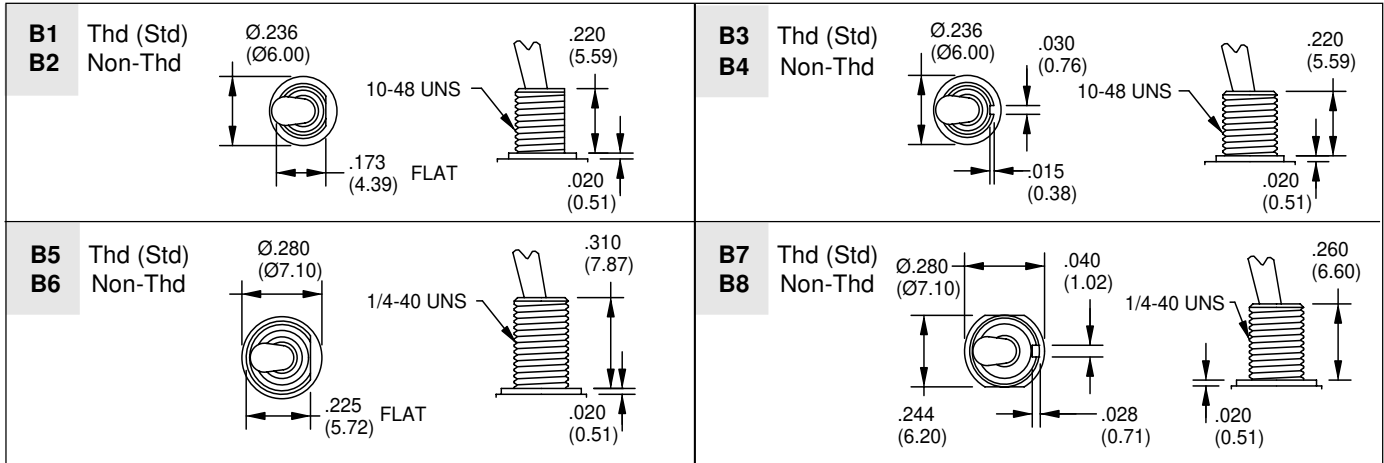
SCHEMATIC

### ACTUATOR OPTIONS In inches (and millimeters)

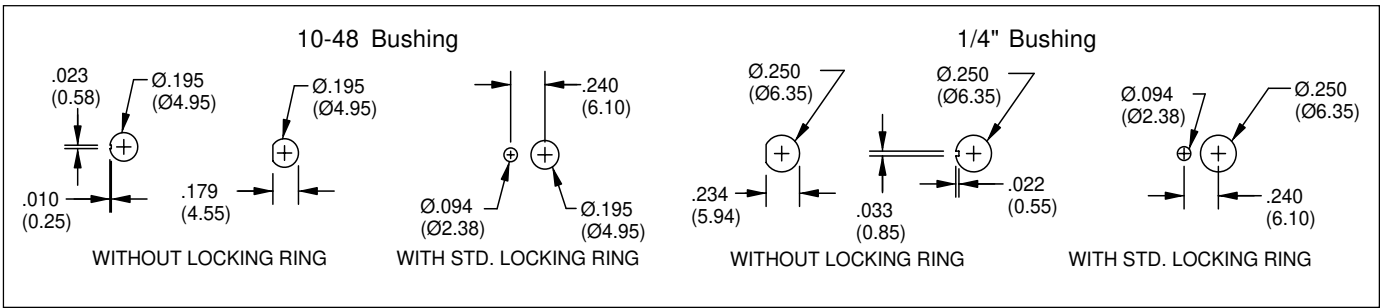
<b>1</b> 	<b>2</b> 	<b>3</b> 	<b>4</b> 	<b>5</b> 
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Toggle Switches

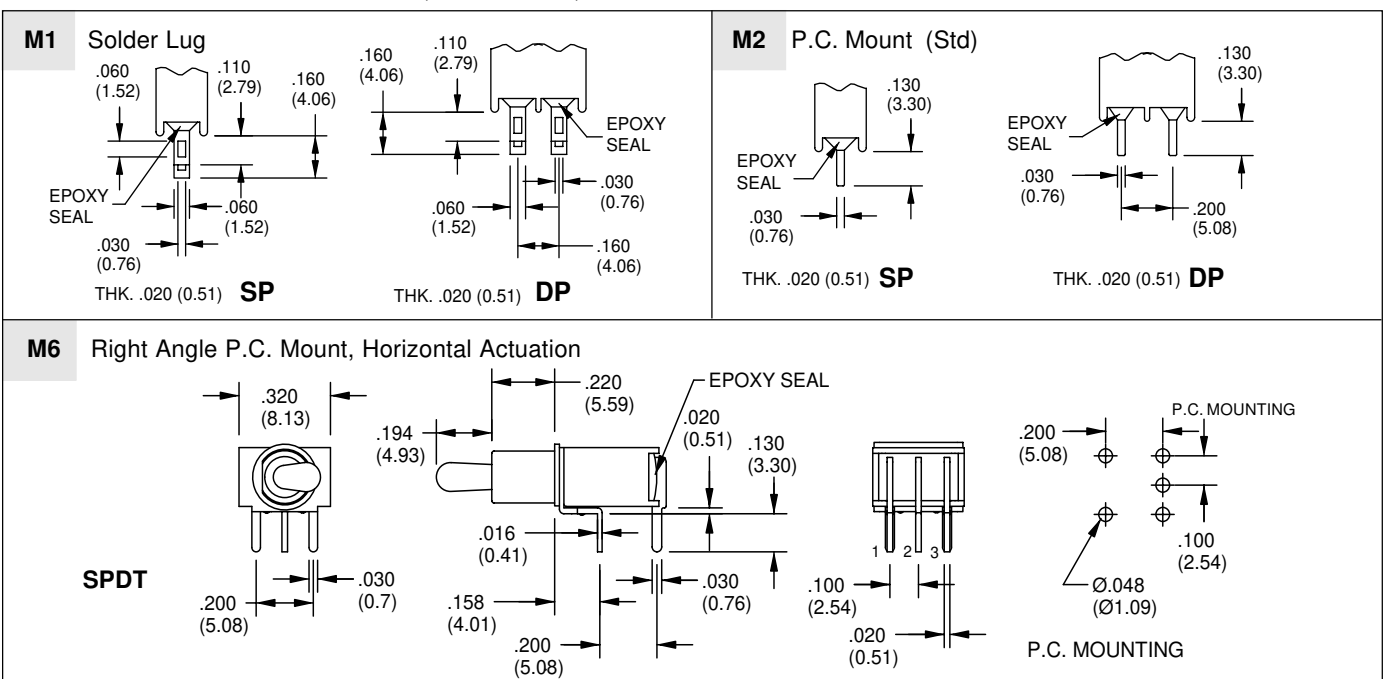
**BUSHING OPTIONS** In inches (and millimeters)



**PANEL MOUNTING** In inches (and millimeters)

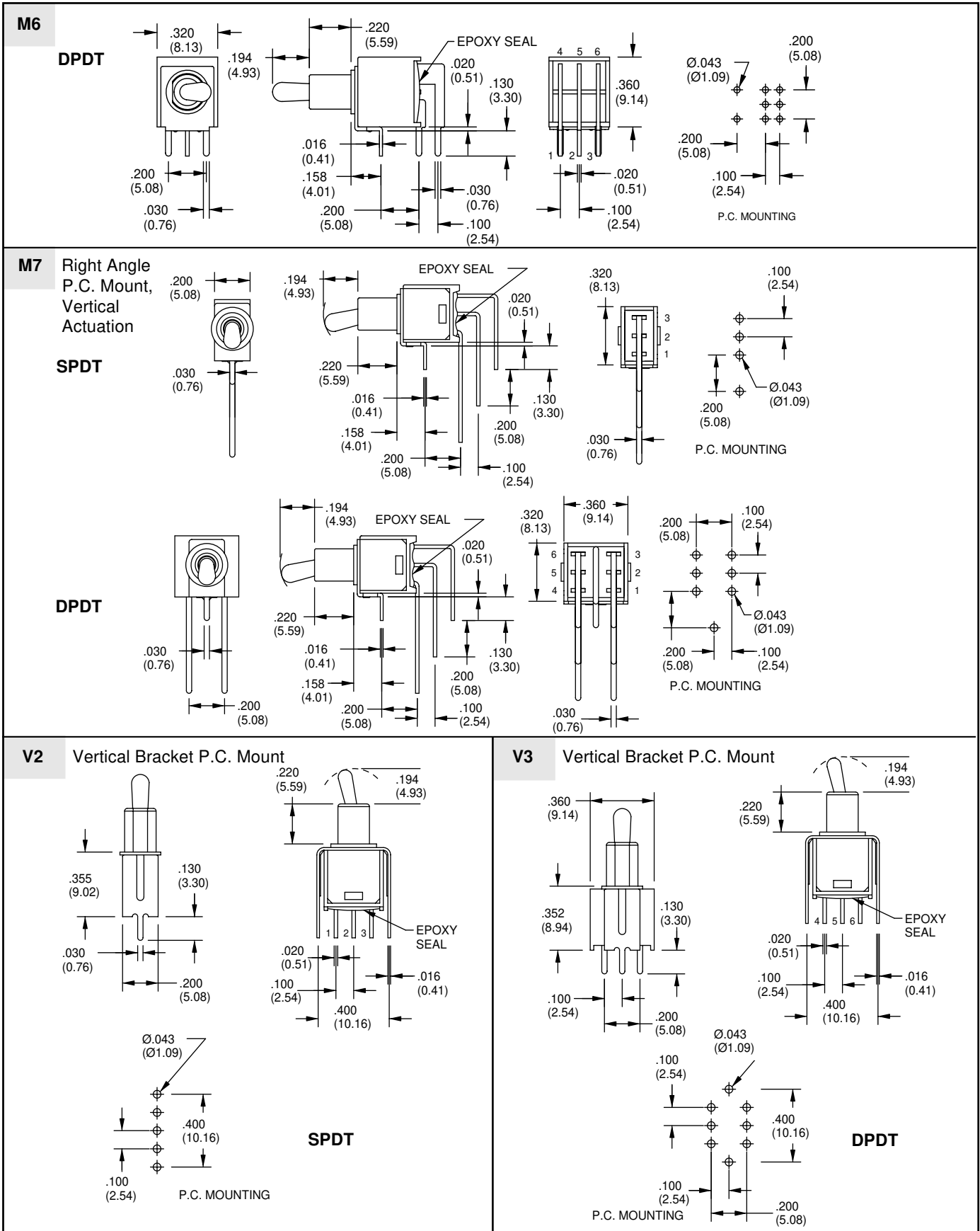


**TERMINATION OPTIONS** In inches (and millimeters)





**TERMINATION OPTIONS** In inches (and millimeters)



Toggle Switches

**SPECIFICATIONS RATINGS**

**Contact Rating:** Q option - 3A with resistive load @ 125VAC or 28 VDC; 1.5A with resistive load @ 250 VAC. R option-0.4 VA max @ 20 Vmax (AC or DC)  
**Electrical Life:** 30,000 make-and-break cycles at full load

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

**MATERIALS**

**Case:** Diallyl phthalate (DAP) (UL 94V-0)  
**Toggle Handle:** Brass, chrome plated  
**Bushing:** Brass, nickel plated  
**Housing:** Stainless steel  
**Terminal/Switch Support:** Brass, electrotin plated  
**Terminal Seal:** Epoxy

**ORDERING INFORMATION**

SERIES	MODEL NO.	ACTUATOR	BUSHING	TERMINATION	CONTACT	SEAL
<b>34C</b>	<b>MSP1</b>	<b>2</b>	<b>B4</b>	<b>M2</b>	<b>R</b>	<b>E</b>
34C = Sub-Miniature Toggle Switches	Options: MSP1, MSP2, MSP3, MSP4, MSP5, MDP1, MDP2, MDP3, MDP4, MDP5 (see models for switching positions)	Options: 1, 2, 3, 4, 5 (see actuator options)	Options: B1, B2, B3, B4, B5, B6, B7, B8 (see bushing options)	Options: M1, M2, M6, M7, V2, V3 (see termination options)	R = Copper alloy, gold plate over nickel plate.  Q = Copper alloy, silver plated	E = Epoxy seal
<b>Example Part Number:</b> 34CMSP12B4M2RE						
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)

<p><b>NUT</b></p> <p>10-48UNS          .06 (1.52)          HDW21</p>	<p><b>LOCK WASHER</b></p> <p>THK (0.54) .021          HDW22</p>
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