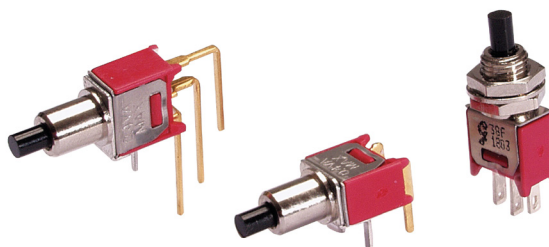




SERIES 38F Sub-Miniature Pushbutton Switches

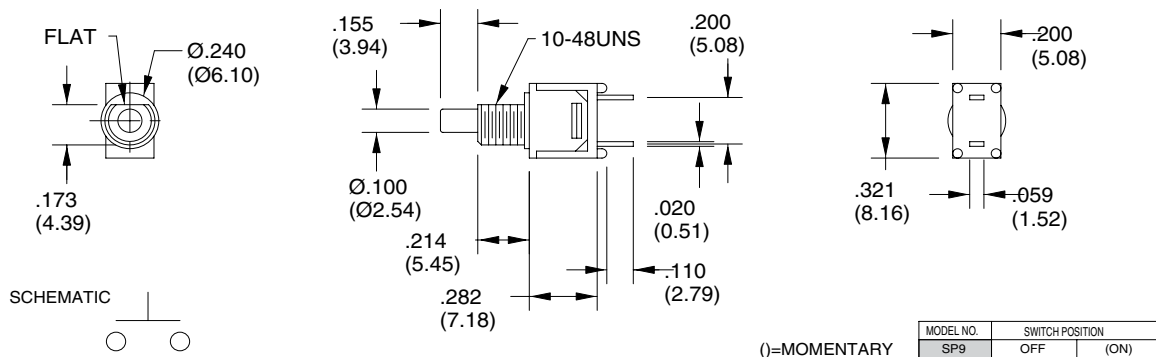
FEATURES

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

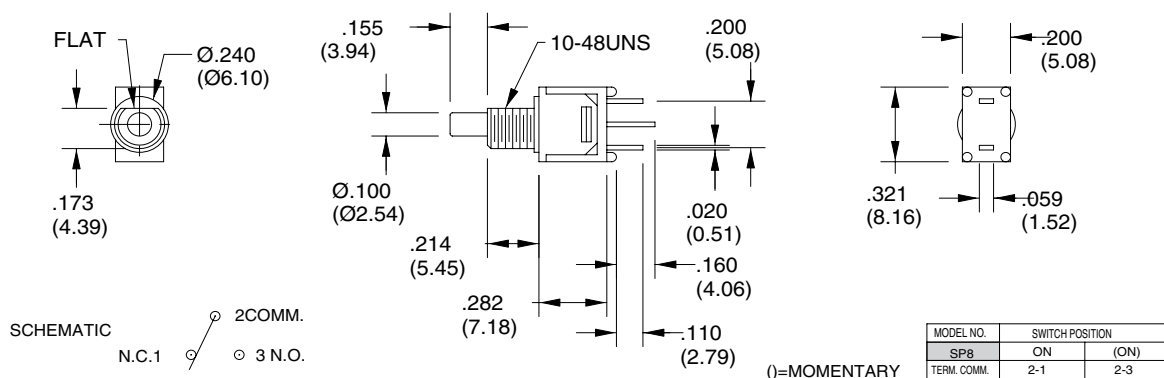


MODELS in inches (and millimeters)

SPST

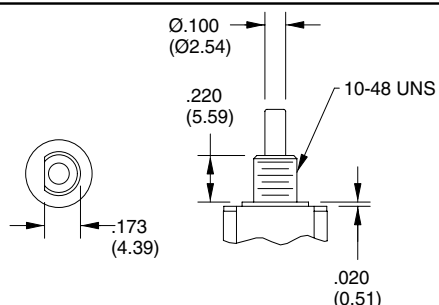


SPDT

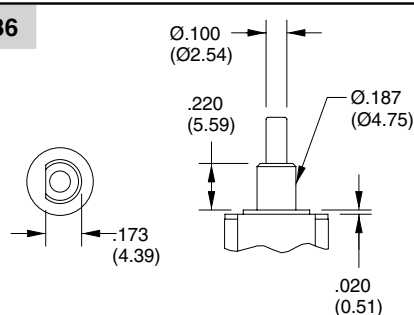


BUSHING OPTIONS in inches (and millimeters)

B5



B6





B7

Top View: $\varnothing .187$ ($\varnothing 4.75$)

Side View: $\varnothing .100$ ($\varnothing 2.54$), $\varnothing .187$ ($\varnothing 4.75$), .220 (5.59), .020 (.51)

B8

Top View: $\varnothing .314$ ($\varnothing 8.00$), .225 (5.72)

Side View: $\varnothing .122$ ($\varnothing 3.10$), .310 (7.87), .200 (5.08), .020 (.51), 1/4 40NS

B9

Top View: $\varnothing .200$ ($\varnothing 5.08$)

Side View: $\varnothing .100$ ($\varnothing 2.54$), .130 (3.30), .020 (.51)

B0

Top View: $\varnothing .314$ ($\varnothing 8.00$), .225 (5.72)

Side View: $\varnothing .122$ ($\varnothing 3.10$), .310 (7.87), .200 (5.08), .020 (.51)

M1 Solder Lug

Dimensions (inches / millimeters):

- Top view: .110 (2.79), .040 (1.02), .060 (1.53), .160 (4.06), .060 (1.52), .030 (0.76)
- Side view: THK. .020 (0.51)

M2 P. C. Mount (Std)

Dimensions (inches / millimeters):

- Top view: .040 (1.02), .130 (3.30), .030 (0.76)
- Side view: THK. .020 (0.51)

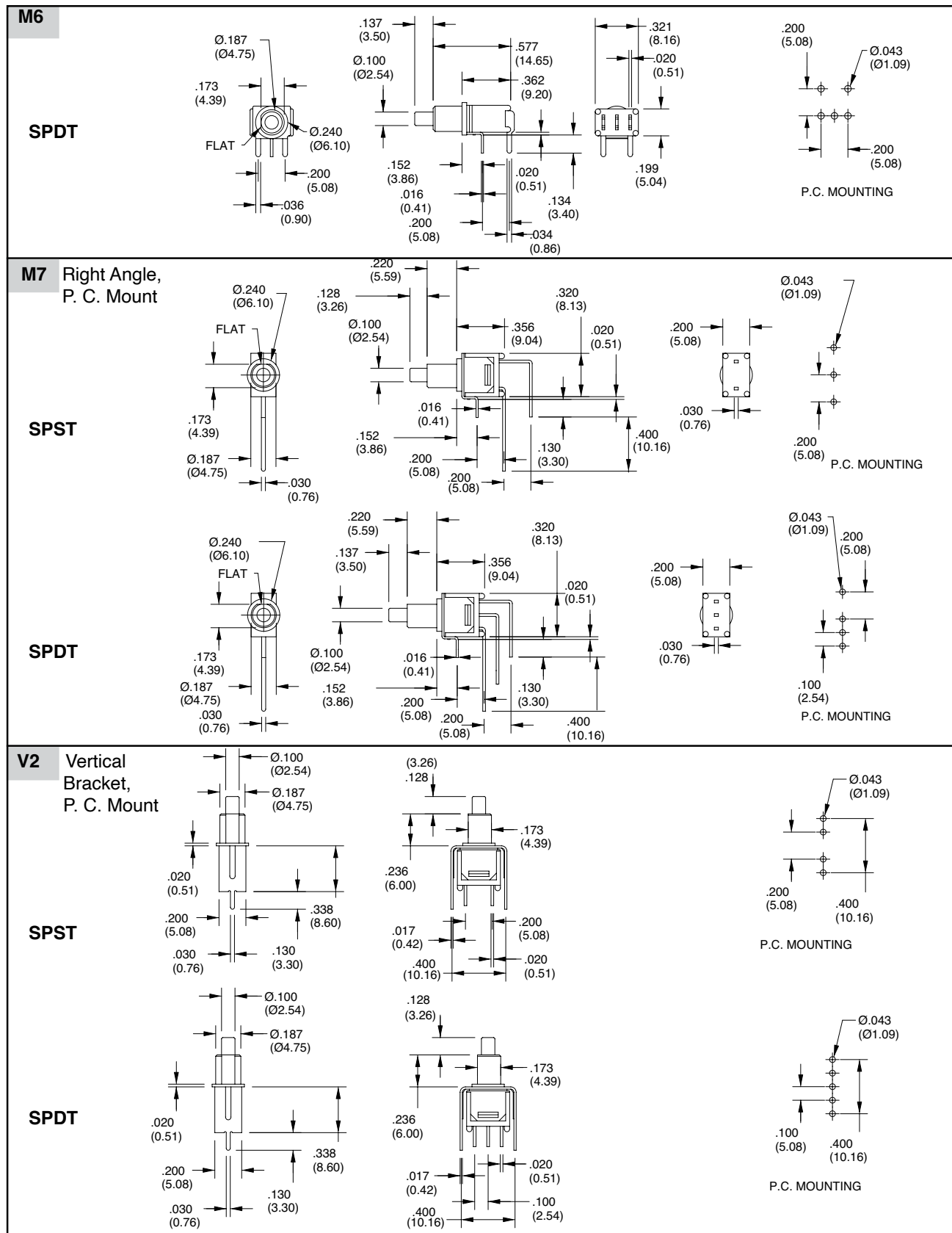
M6 Right Angle, P. C. Mount

Dimensions (inches / millimeters):

- Top view: Ø.187 (Ø4.75), .173 (4.39), Ø.240 (Ø6.10), .200 (5.08), .036 (0.90)
- Side view: .128 (3.26), Ø.100 (Ø2.54), .577 (14.65), .362 (9.20), .152 (3.86), .016 (0.41), .200 (5.08), .020 (0.51), .134 (3.40), .034 (0.86)
- End view: .321 (8.16), .020 (0.51), .199 (5.04)
- P.C. MOUNTING: .200 (5.08), Ø.043 (Ø1.09)



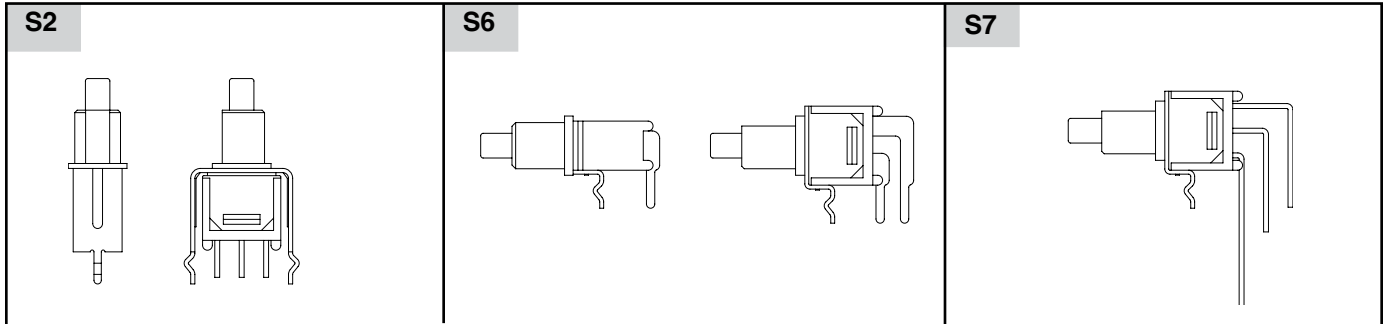
TERMINATION OPTIONS (CONT.) in inches (and millimeters)





Snap-in Termination Options

(Snap-in termination options have the same PC layout as M2, M6 and M7 options)



SPECIFICATIONS

RATINGS

Contact Rating: Q & G option - 1A with resistive load @ 125 VAC or 28 VDC; R option - 0.4 VA max @ 20 Vmax (AC or DC)

Electrical Life: 30,000 make-and-break cycles at full load

Travel: .030 ± .010

Contact Resistance: 20 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) (UL94V-0)

Plunger: Polyester

Bushing: Brass, nickel plated

Housing: Stainless steel

Terminal/Switch Support: Brass, electrotin plated

Terminal Seal: Epoxy

ORDERING INFORMATION

SERIES	MODEL NO.	BUSHING	TERMINATION	CONTACT	SEAL
38F	SP8	B5	M1	Q	T
38F = Sub-Miniature Pushbutton Switches	Options: SP8, SP9 (see models for switching positions)	Options: B5, B6, B7, B8, B9, B0 (see bushing options)	Options: M1, M2, M6, M7, V2, S2, S6, S7 (see termination options)	R = Copper alloy, gold plate over nickel plate. Q = Copper alloy, silver plated G=Gold plate over silver plate	T = Lead Free and RoHS Compliant
Example Part Number: 38FSP8B5M1QE					
Available from your local Grayhill Component Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.					