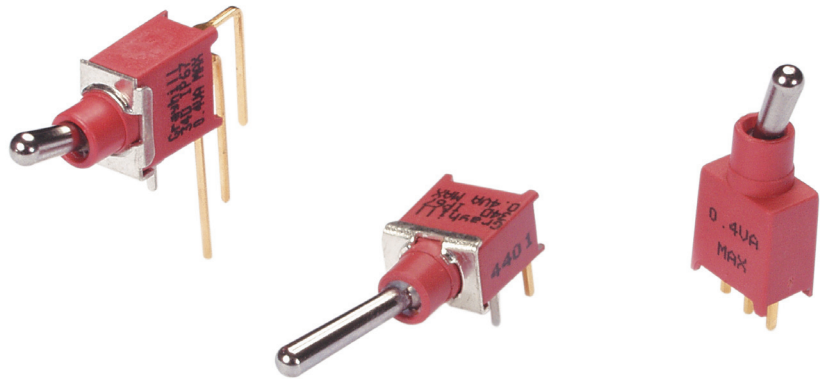


SERIES 34D Sealed Sub-Miniature Toggle Switches

FEATURES

- Save Space and Weight
- SPDT and DPDT Circuitry
- Choice of Actuators, Bushings, and Terminations
- Sealed per IP67

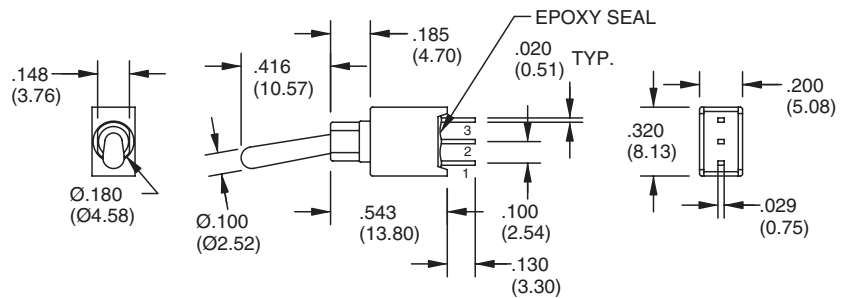


MODELS in inches (and millimeters)

SPDT

Model No.	Switching Position		
	ON	NONE	ON
WMSP1	ON	NONE	(ON)
WMSP2	ON	OFF	ON
WMSP3	(ON)	OFF	(ON)
WMSP4	ON	OFF	(ON)
WMSP5	ON	OFF	(ON)
Term. Comm.	2-3	OPEN	2-1

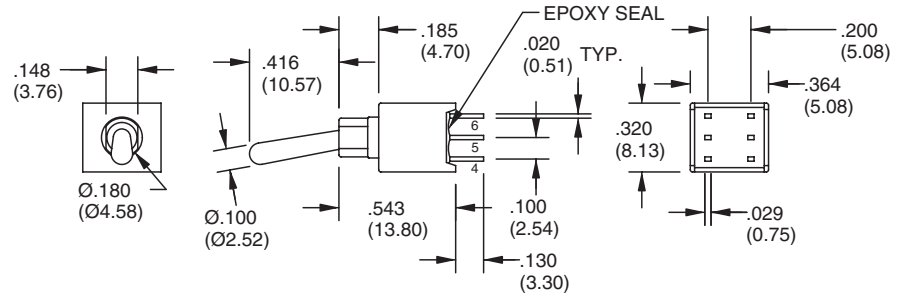
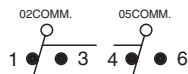
()=MOMENTARY



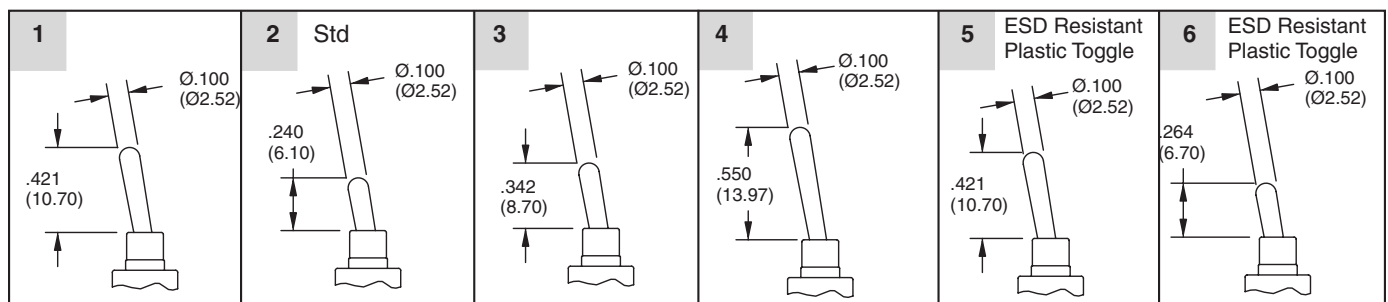
DPDT

Model No.	Switching Position		
	ON	NONE	ON
WMDP1	ON	NONE	(ON)
WMDP2	ON	OFF	ON
WMDP3	(ON)	OFF	(ON)
WMDP4	ON	OFF	(ON)
WMDP5	ON	OFF	(ON)
Term. Comm.	2-3	5-6	2-1 5-4

()=MOMENTARY



ACTUATOR OPTIONS in inches (and millimeters)



B4

Technical drawing of a mechanical part. The main view shows a cross-section of a component with a central hole. The hole has a diameter of $\varnothing 1.77$ (4.50). A detail view of the hole is shown to the right, indicating a diameter of $\varnothing 1.180$ ($\varnothing 4.57$).

The diagrams illustrate the cross-sectional dimensions for two types of microvias:

- SP (Single Pad):**
 - THK. .020 (0.51) - Thickness of the prepreg.
 - SP - Single Pad configuration.
 - EPOXY SEAL - The top layer of the microvia.
 - .059 (1,50) - Thickness of the epoxy seal.
 - .110 (2,80) - Diameter of the microvia.
 - .061 (1,55) - Diameter of the microvia opening.
 - .150 (3,80) - Diameter of the microvia opening.
 - .028 (0,70) - Thickness of the microvia wall.
- DP (Double Pad):**
 - THK. .020 (0.51) - Thickness of the prepreg.
 - DP - Double Pad configuration.
 - EPOXY SEAL - The top layer of the microvia.
 - .039 (1,00) - Thickness of the epoxy seal.
 - .110 (2,80) - Diameter of the microvia.
 - .061 (1,55) - Diameter of the microvia opening.
 - .158 (4,00) - Diameter of the microvia opening.
 - .150 (3,80) - Diameter of the microvia opening.

M2

P.C.MOUNT

SINGLE POLE

P.C. MOUNTING

EPOXY SEAL

Ø.043 (Ø1.09)

.130 (3.30)

.100 (2.54)

.030 (0.76)

M2

P.C. MOUNTING

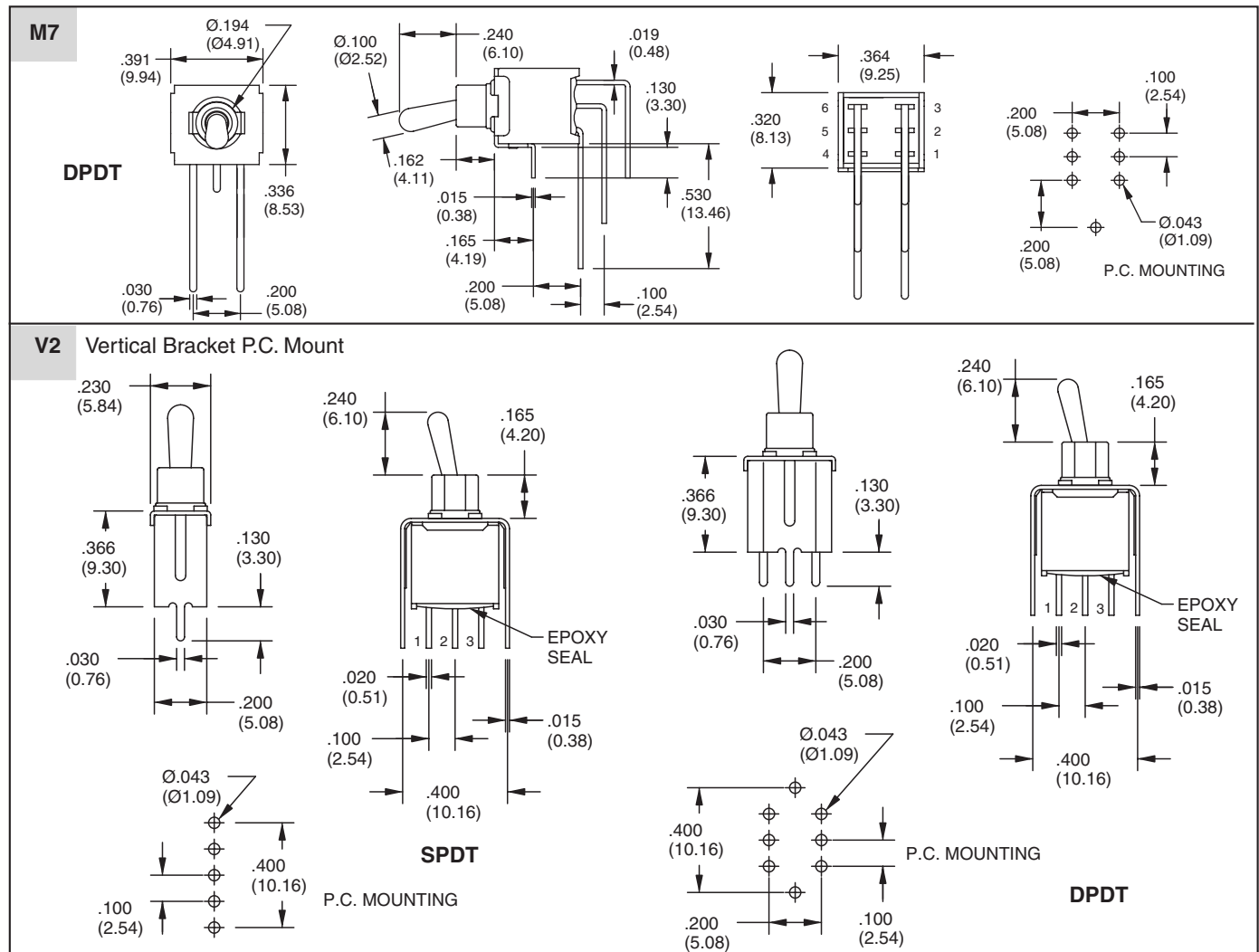
DOUBLE POLE

Diagram illustrating the dimensions for M2 P.C. Mounting and Double Pole configurations:

- P.C. MOUNTING Dimensions:**
 - Top width: .100 (2.54)
 - Bottom width: .130 (3.30)
 - Left side width: .030 (0.76)
 - Right side width: .200 (5.08)
 - Central hole diameter: $\varnothing .043$ ($\varnothing 1.09$)
- DOUBLE POLE Dimensions:**
 - Left side width: .030 (0.76)
 - Right side width: .200 (5.08)

[illegible][illegible]

TERMINATION OPTIONS in inches (and millimeters)



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: 20 milliohms max. initial @ 2-4 VDC, 100 mA

Insulation Resistance: 1,000 megaohms minimum

Dielectric Strength: 1,500 V RMS @ sea level

Operating Temperature: -30°C to 85°C

MATERIALS

Case: Diallyl phthalate (DAP) (UL94V-0)

Toggle Handle: Brass, chrome plated

Bushing: Brass, nickel plated

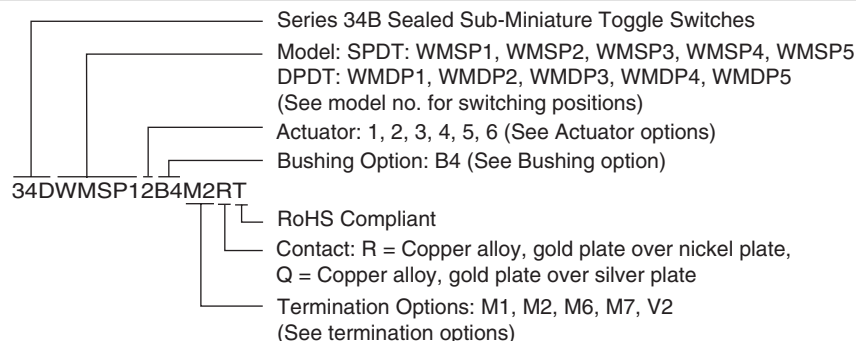
Housing: Stainless steel

Terminal/Switch Support: Brass, electrotin plated

Contacts & Terminals: Copper alloy, gold plate over nickel plate or silver plate

Terminal Seal: Epoxy

ORDERING INFORMATION



Available from your local Grayhill Component Distributor.

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