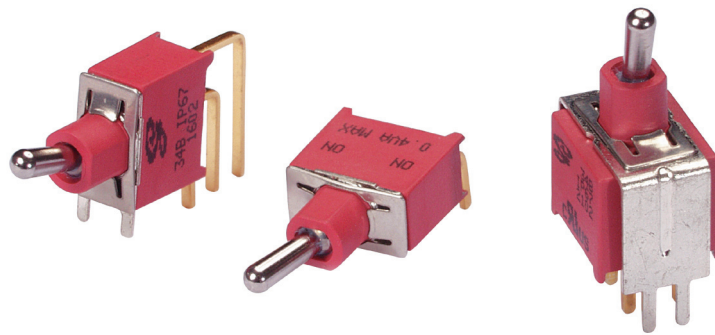


SERIES 34B

Sealed Miniature Toggle Switches

FEATURES

- Save Space and Weight
- SPDT, DPDT, and 3PDT Circuitry
- Choice of Actuators, Bushings and Terminations
- Sealed per IP67



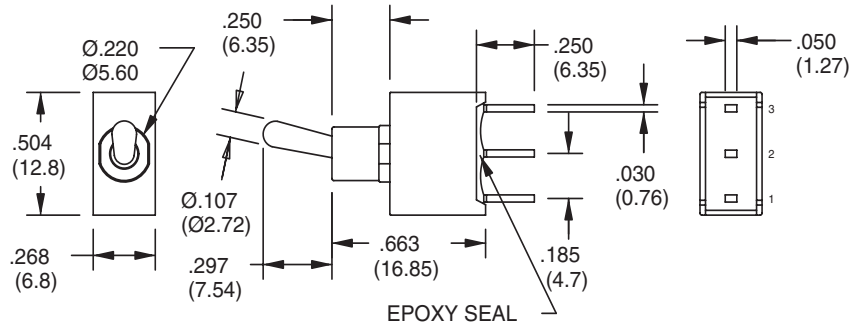
MODELS in inches (and millimeters)

SPDT

Model No.	Switching Position		
	ON	NONE	OFF
WSP1	ON	NONE	ON
WSP2	ON	NONE	(ON)
WSP3	ON	OFF	ON
WSP4	(ON)	OFF	(ON)
WSP5	ON	OFF	(ON)
Term. Comm.	2-3	OPEN	2-1

()=MOMENTARY

SCHEMATIC

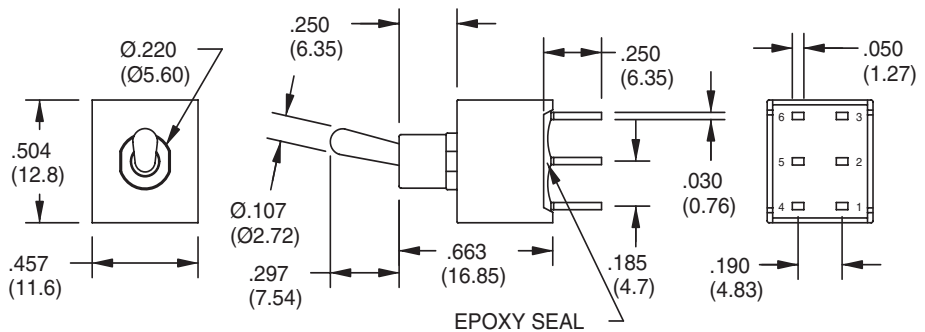
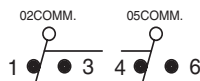


DPDT

Model No.	Switching Position		
	ON	NONE	OFF
WDP1	ON	NONE	ON
WDP2	ON	NONE	(ON)
WDP3	ON	OFF	ON
WDP4	(ON)	OFF	(ON)
WDP5	ON	OFF	(ON)
Term. Comm.	2-3 5-6	OPEN	2-1 5-4

()=MOMENTARY

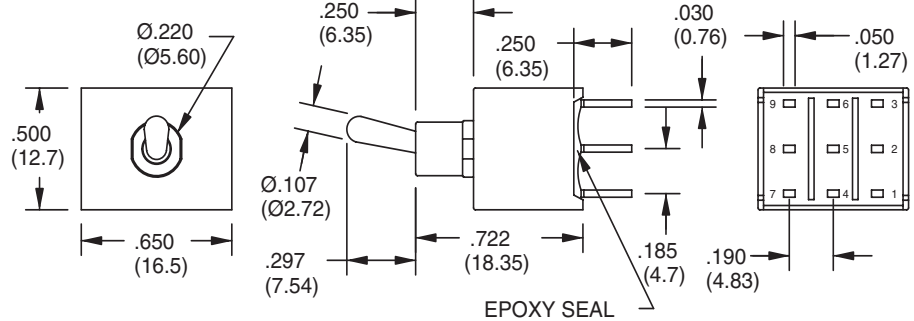
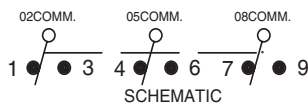
SCHEMATIC



3PDT

Model No.	Switching Position		
	ON	NONE	OFF
W3P1	ON	NONE	ON
W3P2	ON	NONE	(ON)
W3P3	ON	OFF	ON
W3P4	(ON)	OFF	(ON)
W3P5	ON	OFF	(ON)
Term. Comm.	2-3 5-6	OPEN	2-1 5-4

()=MOMENTARY



ACTUATOR OPTIONS in inches (and millimeters)

1 Ø.115 (Ø2.92) .496 (12.60) SUBTRACT .079 (2.00) FOR BUSHING OPTION B1	2 Std Ø.107 (Ø2.72) .299 (7.60) SUBTRACT .083 (2.10) FOR BUSHING OPTION B1
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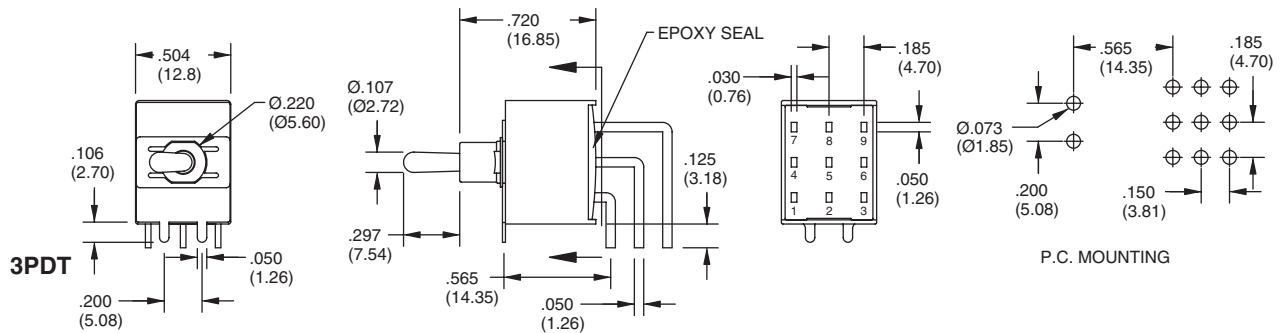
BUSHING OPTIONS in inches (and millimeters)

B1 .350 (8.90) 1/4-40 UNS	B4 Std .250 (6.35)
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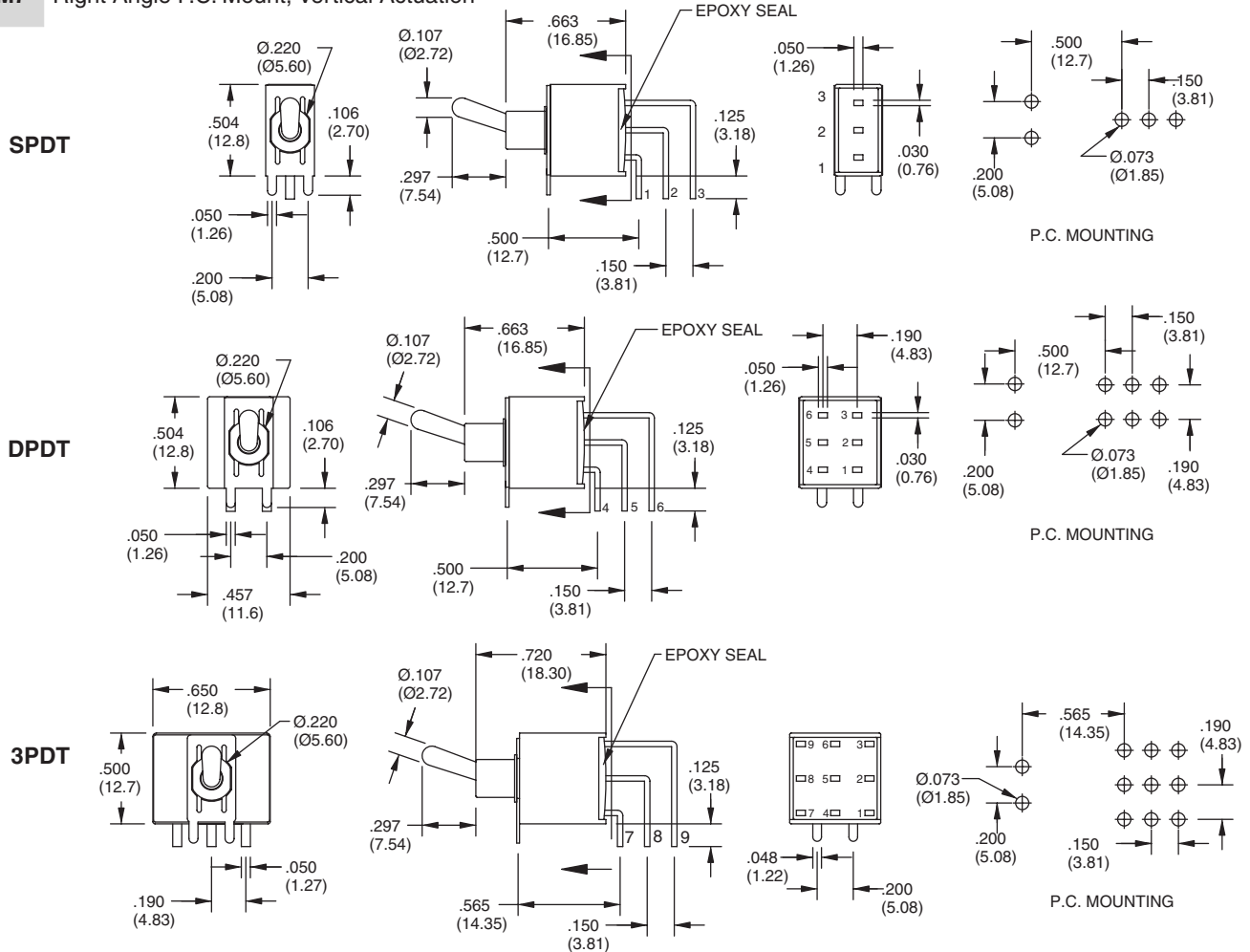
TERMINATION OPTIONS in inches (and millimeters)

M1 Solder Lug .078 (1.98) .156 (3.96) .080 (2.03) .047 (1.19) THK. .030 (0.76) EPOXY SEAL	M2 P.C. Mount (Std) .189 (4.80) .220 (5.60) .050 (1.27) THK. .030 (0.76) EPOXY SEAL
M6 Right Angle P.C. Mount, Horizontal Actuation .106 (2.70) .504 (12.8) .050 (1.26) .200 (5.08) THK. .030 (0.76) EPOXY SEAL SPDT .663 (16.85) .297 (7.54) .500 (12.7) .050 (1.26) THK. .030 (0.76) EPOXY SEAL DPDT .663 (16.85) .297 (7.54) .500 (12.7) .050 (1.26) THK. .030 (0.76) EPOXY SEAL	.185 (4.70) .030 (0.76) .185 (4.70) .500 (12.7) .050 (1.26) .200 (5.08) THK. .030 (0.76) EPOXY SEAL P.C. MOUNTING .185 (4.70) .030 (0.76) .185 (4.70) .500 (12.7) .050 (1.26) .200 (5.08) THK. .030 (0.76) EPOXY SEAL P.C. MOUNTING

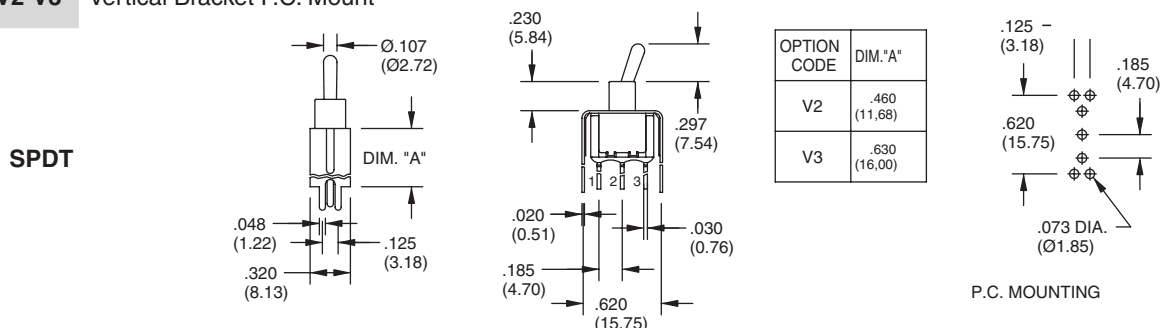
TERMINATION OPTIONS in inches (and millimeters)



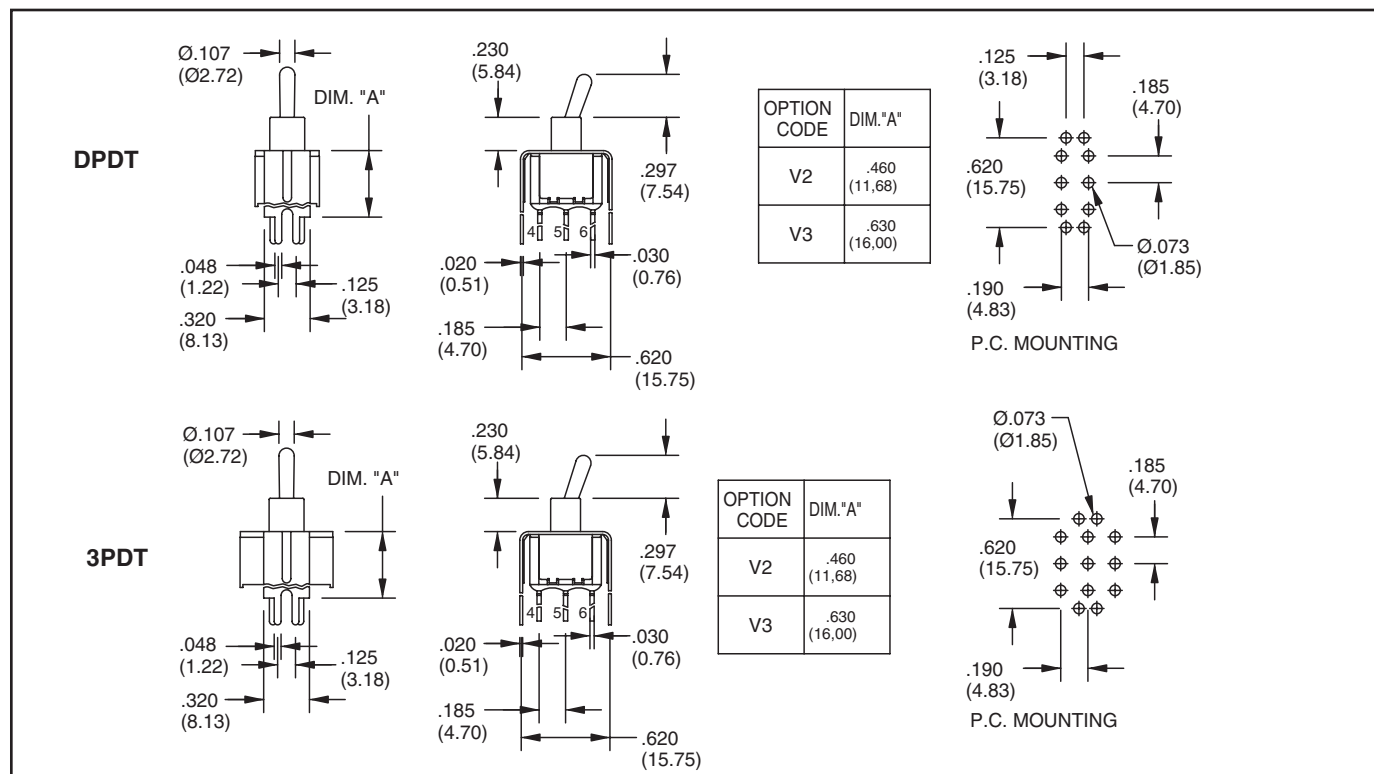
M7 Right Angle P.C. Mount, Vertical Actuation



V2-V3 Vertical Bracket P.C. Mount



TERMINATION OPTIONS in inches (and millimeters)



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: 50,000 make-and-break cycles at full load

Contact Resistance: 10 milliohms max. initial @ 2-4 VDC, 100 mA

Insulation Resistance: 1,000 megaohms min
Dielectric Strength: 1,500 V RMS @ sea level
Operating Temperature: -30°C to 85°C

MATERIALS

Case and Bushings: Glass-filled nylon 6/6, flame retardant, heat stabilized (UL94V-0)
Frame: Spring steel

Actuator: Brass, chrome plated. Internal O-ring seal standard with all actuators.

Switch Support: Brass, tin-plated

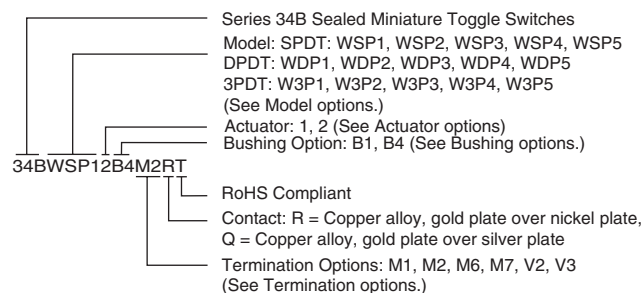
Actuator Pivot & Mounting Bracket: Nylon

Actuator Pivot Retainer: Stainless Steel

Terminal and Contacts: Copper alloy with plated over nickel or silver plate

Terminal Seal: Epoxy

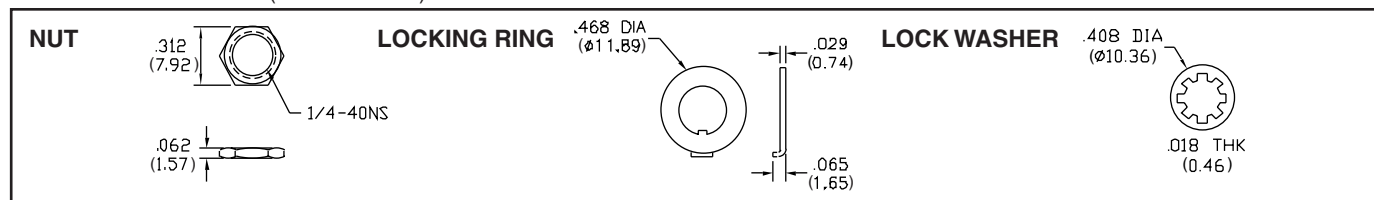
ORDERING INFORMATION



Available from your local Grayhill Component Distributor.

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

HARDWARE In inches (and millimeters)



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Grayhill:

<u>34BW3P11B1M1RT</u>	<u>34BW3P11B4M7QT</u>	<u>34BW3P12B1M6QT</u>	<u>34BW3P12B4M1QT</u>	<u>34BW3P12B4M1RT</u>
<u>34BW3P12B4M6QT</u>	<u>34BW3P12B4M7QT</u>	<u>34BW3P31B1M1QT</u>	<u>34BW3P32B4M1QT</u>	<u>34BW3P32B4M1RT</u>
<u>34BWDP11B1M1RT</u>	<u>34BWDP11B4M2QT</u>	<u>34BWDP11B4M6QT</u>	<u>34BWDP11B4M6RT</u>	<u>34BWDP11B4V2QT</u>
<u>34BWDP11B4V3QT</u>	<u>34BWDP11B4V3RT</u>	<u>34BWDP12B1M1RT</u>	<u>34BWDP12B1M2RT</u>	<u>34BWDP12B4M1RT</u>
<u>34BWDP12B4M6QT</u>	<u>34BWDP12B4M7QT</u>	<u>34BWDP12B4V2QT</u>	<u>34BWDP12B4V3RT</u>	<u>34BWDP21B4M2QT</u>
<u>34BWDP31B1M1QT</u>	<u>34BWDP31B1M1RT</u>	<u>34BWDP31B4M2QT</u>	<u>34BWDP31B4M7QT</u>	<u>34BWDP31B4V2QT</u>
<u>34BWDP32B1M1QT</u>	<u>34BWDP32B1M1RT</u>	<u>34BWDP32B4V2QT</u>	<u>34BWDP41B1M1RT</u>	<u>34BWDP41B4M2QT</u>
<u>34BWDP52B1M1QT</u>	<u>34BWDP52B4M6QT</u>	<u>34BWSP11B1M1QT</u>	<u>34BWSP11B1M1RT</u>	<u>34BWSP11B1M2RT</u>
<u>34BWSP11B1M6RT</u>	<u>34BWSP11B1M7RT</u>	<u>34BWSP11B4M1RT</u>	<u>34BWSP11B4M7RT</u>	<u>34BWSP11B4V2QT</u>
<u>34BWSP11B4V3RT</u>	<u>34BWSP12B1M1QT</u>	<u>34BWSP12B1M1RT</u>	<u>34BWSP12B1M2RT</u>	<u>34BWSP12B4M2RT</u>
<u>34BWSP12B4M6QT</u>	<u>34BWSP12B4M6RT</u>	<u>34BWSP12B4M7QT</u>	<u>34BWSP12B4M7RT</u>	<u>34BWSP12B4V2RT</u>
<u>34BWSP21B1M1RT</u>	<u>34BWSP22B4M2QT</u>	<u>34BWSP31B1M1QT</u>	<u>34BWSP31B1M1RT</u>	<u>34BWSP31B4M2RT</u>
<u>34BWSP31B4M7RT</u>	<u>34BWSP31B4V2RT</u>	<u>34BWSP32B1M2QT</u>	<u>34BWSP32B4M7RT</u>	<u>34BWSP41B1M1RT</u>
<u>34BWSP41B4V2QT</u>	<u>34BWSP41B4V3RT</u>	<u>34BWSP42B4V3RT</u>	<u>34BWSP51B1M1QT</u>	<u>34BWSP51B1M2RT</u>
<u>34BWSP51B4V3QT</u>	<u>34BWSP52B1M1QT</u>	<u>34BWSP52B1M2QT</u>	<u>34BWSP52B1M2RT</u>	<u>34BWSP52B4M2QT</u>
<u>34BWSP52B4M7QT</u>	<u>34BW3P31B1M1RT</u>	<u>34BWSP11B4M6QT</u>	<u>34BWDP11B1M6QT</u>	<u>34BWSP11B4V2RT</u>
<u>34BWDP31B1M2QT</u>	<u>34BWDP12B4M2RT</u>	<u>34BWDP32B4M2RT</u>	<u>34BWSP31B1M2RT</u>	<u>34BWSP31B1M6QT</u>
<u>34BWSP41B1M1QT</u>	<u>34BWSP41B4V2RT</u>	<u>34BWDP11B1M2RT</u>		