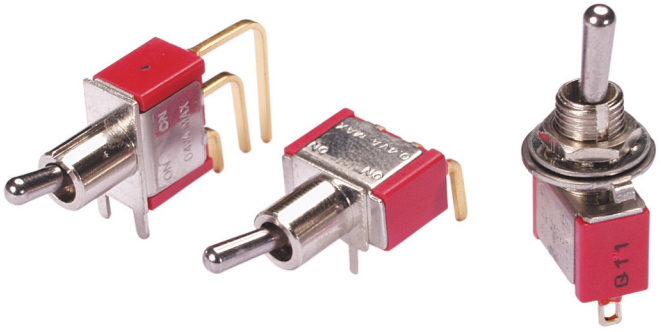
SERIES 34A
Miniature Toggle Switches



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

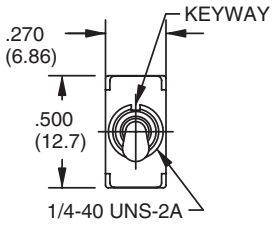
MODELS In inches (and millimeters)

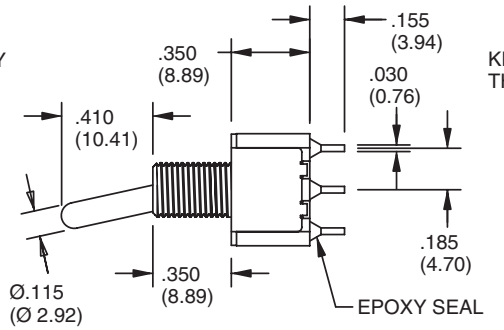
SPDT

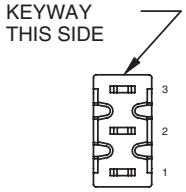
MODEL NO.	SWITCH POSITION		
SP1	ON	NONE	ON
SP2	ON	NONE	(ON)
SP3	ON	OFF	ON
SP4	(ON)	OFF	(ON)
SP5	ON	OFF	(ON)
TERM. COMM.	2-3	OPEN	2-1

()=MOMENTARY

SCHEMATIC





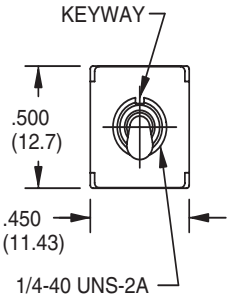


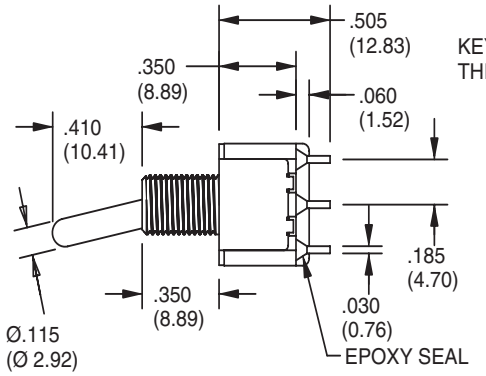
DPDT

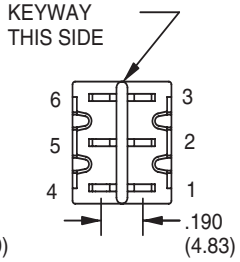
MODEL NO.	SWITCH POSITION		
DP1	ON	NONE	ON
DP2	ON	NONE	(ON)
DP3	ON	OFF	ON
DP4	(ON)	OFF	(ON)
DP5	ON	OFF	(ON)
TERM. COMM.	2-3, 5-6	OPEN	2-1, 5-4

()=MOMENTARY

SCHEMATIC



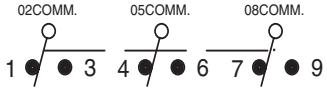




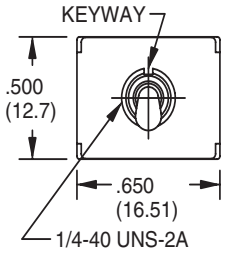
3PDT

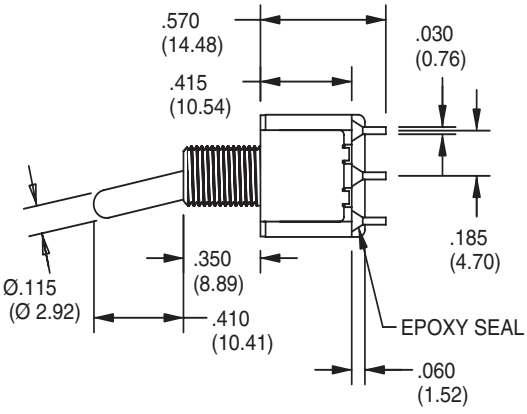
MODEL NO.	SWITCH POSITION		
3P1	ON	NONE	ON
3P2	ON	NONE	(ON)
3P3	ON	OFF	ON
3P4	(ON)	OFF	(ON)
3P5	ON	OFF	(ON)
TERM. COMM.	2-3,5-6 8-9	OPEN	2-1,5-4 8-7

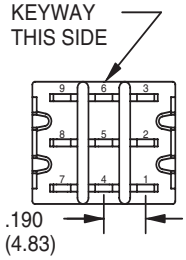
()=MOMENTARY



SCHEMATIC





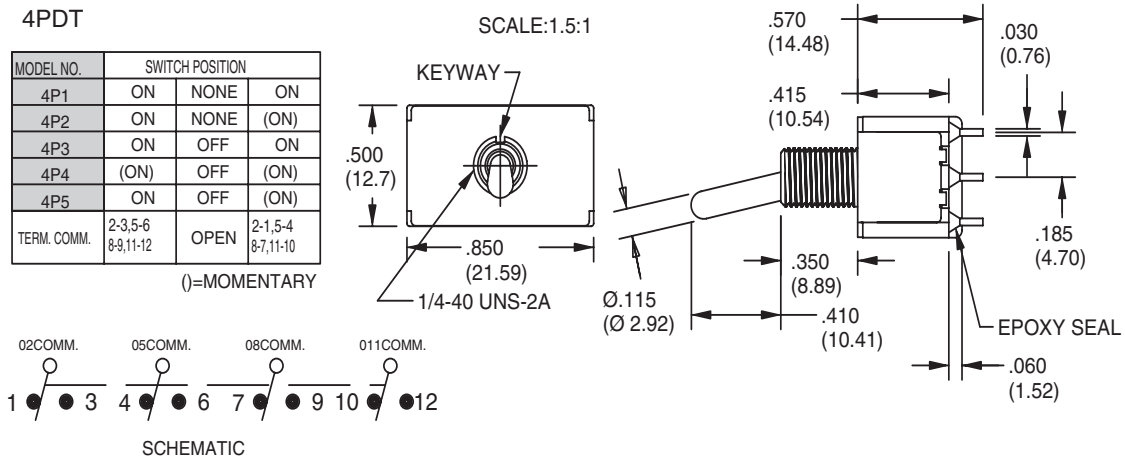


MODELS In inches (and millimeters)

4PDT

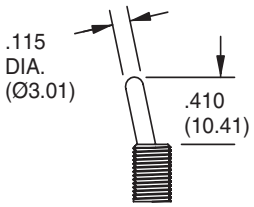
MODEL NO.	SWITCH POSITION		
4P1	ON	NONE	ON
4P2	ON	NONE	(ON)
4P3	ON	OFF	ON
4P4	(ON)	OFF	(ON)
4P5	ON	OFF	(ON)
TERM. COMM.	2-3,5-6 8-9,11-12	OPEN	2-1,5-4 8-7,11-10

()=MOMENTARY

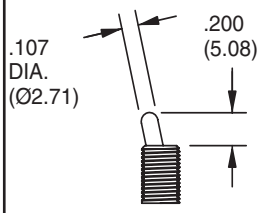


ACTUATOR OPTIONS In inches (and millimeters)

1 Std



2



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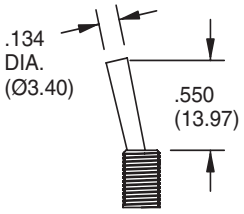

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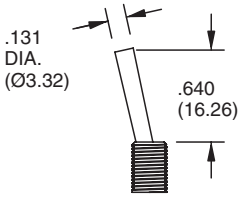

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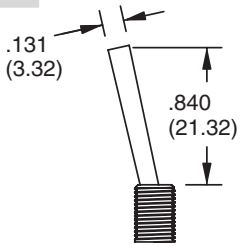

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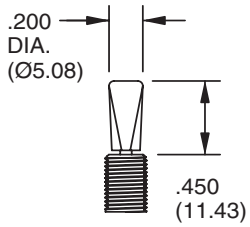
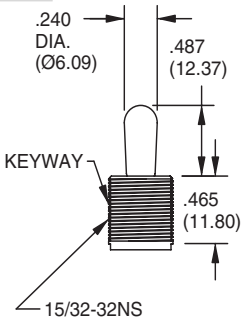


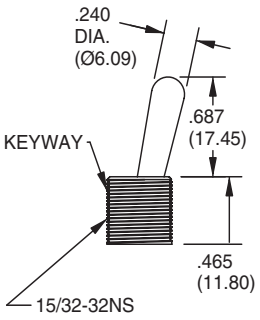
Use with Bushing Options T1, T2, T5 and T6 only.

7



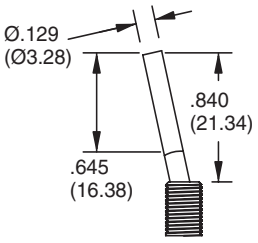
Use T7 Bushing Option only.

8

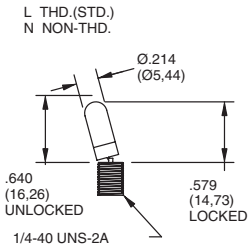


Use T7 Bushing Option only.

9 Nylon Black



L THD. (STD.)
N NON-THD

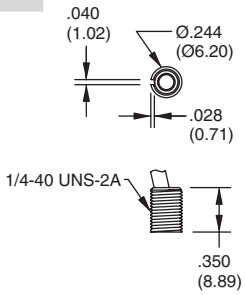


Actuators 1-5 shown with standard B1 bushing. Add .070 (1.78) for B3, subtract .020 (0.51) for B6 bushing.

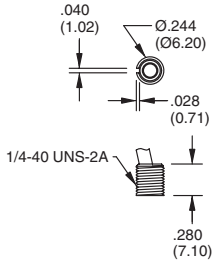
Grayhill, Inc. • 561 Hillgrove Avenue • LaGrange, Illinois 60525-5997 • USA • Phone: 708-354-1040 • Fax: 708-354-2820 • www.grayhill.com

BUSHING OPTIONS In inches (and millimeters)

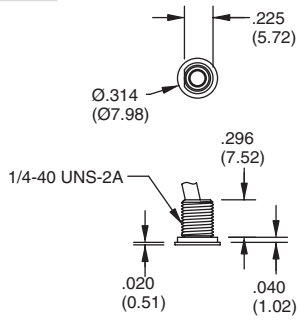
B1 Thd (Std) / B2 Non-Thd



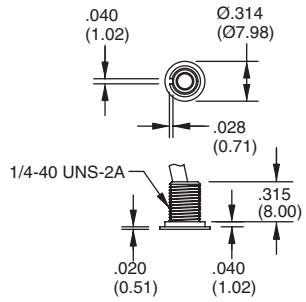
B3 Thd / B4 Non-Thd



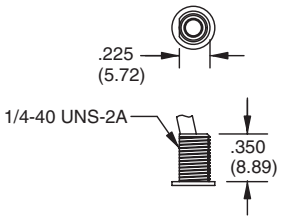
B5 High Torque



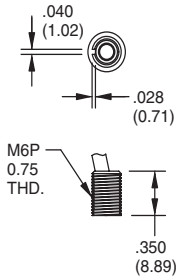
B6 High Torque



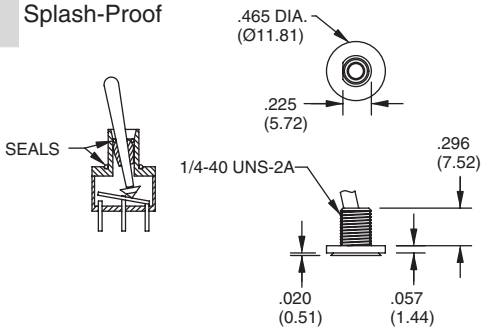
B7 Long



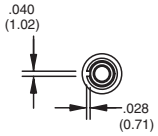
B8 Metric



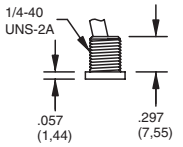
B9 Splash-Proof



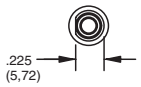
T1



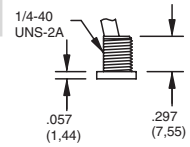
T2



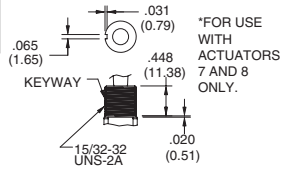
T5



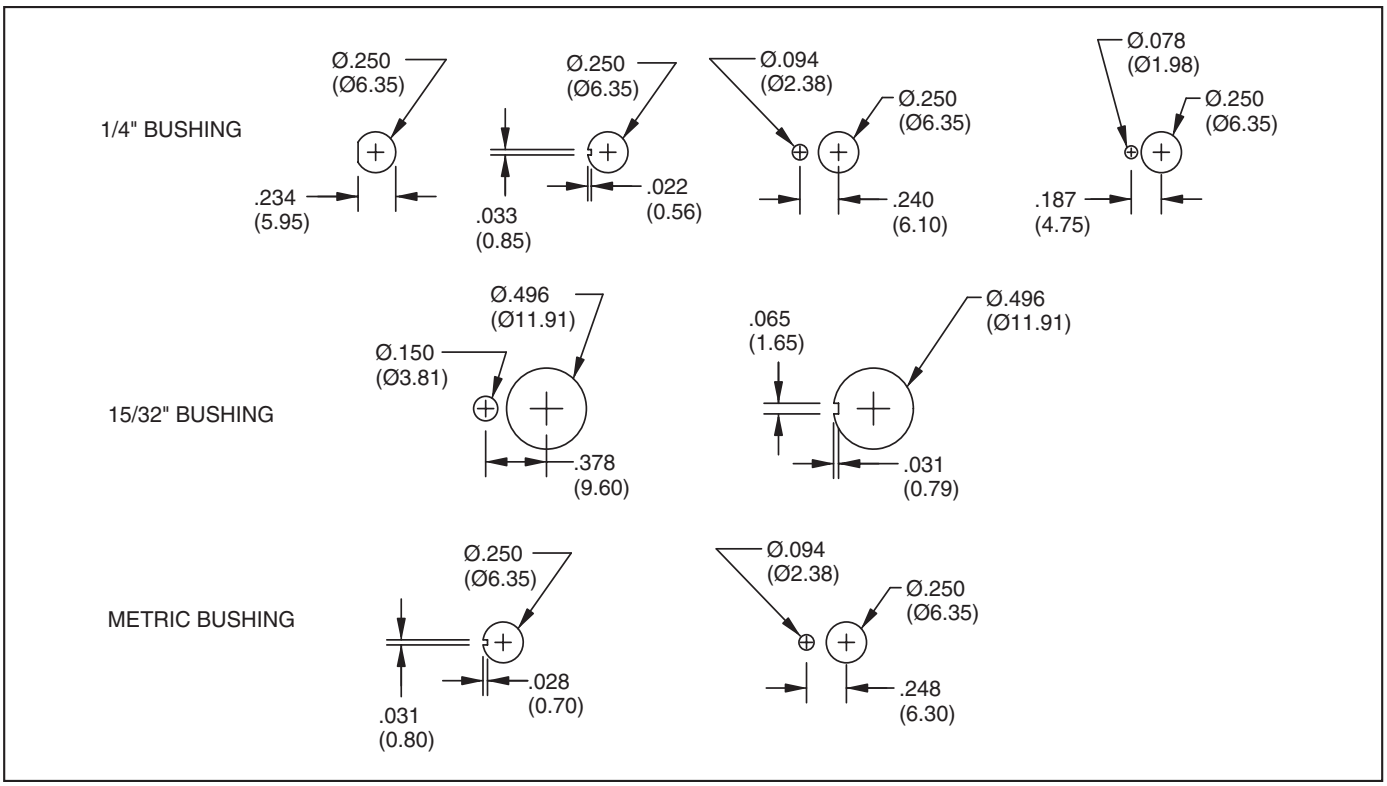
T6



T7

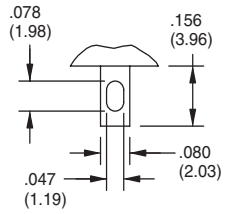


PANEL MOUNTING In inches (and millimeters)



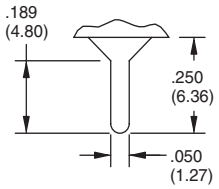
TERMINATION OPTIONS In inches (and millimeters)

M1 Solder Lug (Std)



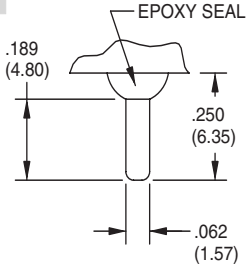
THK. .030 (0.76)

M2 P.C. Mount



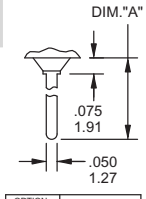
THK. .030 (0.76)

M3 P.C. Mount, Quick Connect



.030 (0.76) THK.

WX

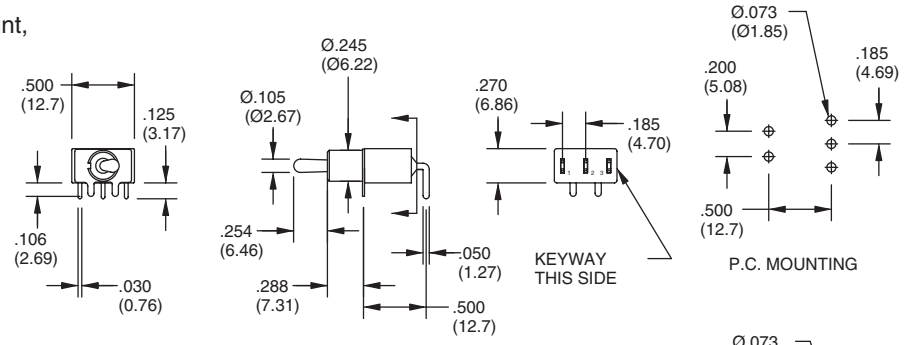


OPTION CODE	DIM."A"
W1	.750(19.05)
W2	.964(24.48)
W3	.425(10.80)
W4	1.062(26.97)

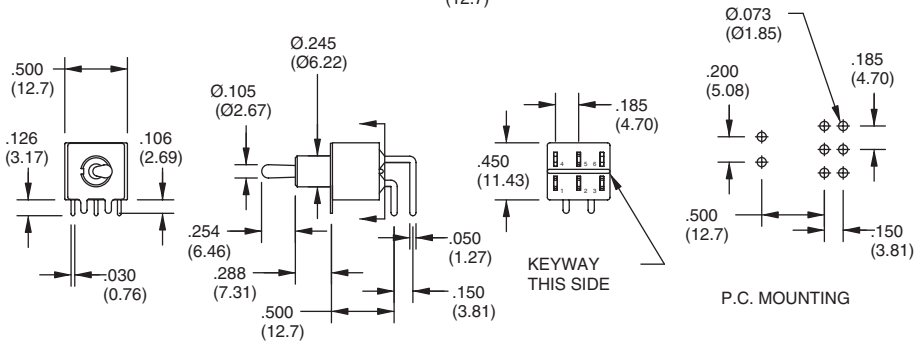
WIRE WRAP

M6 Right Angle P.C. Mount, Horizontal Actuation

SPDT

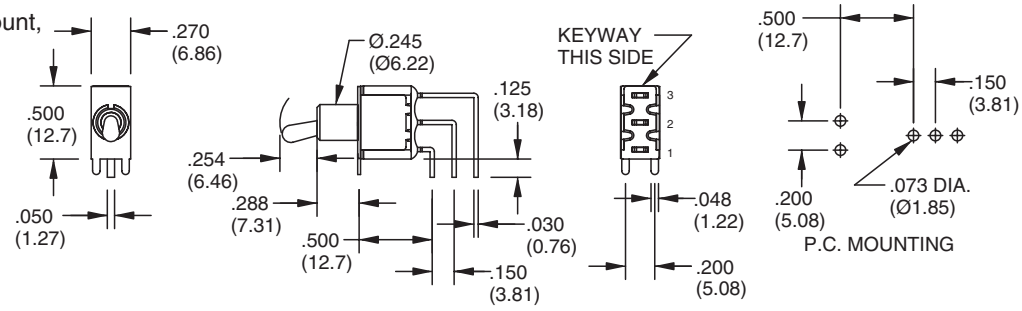


DPDT

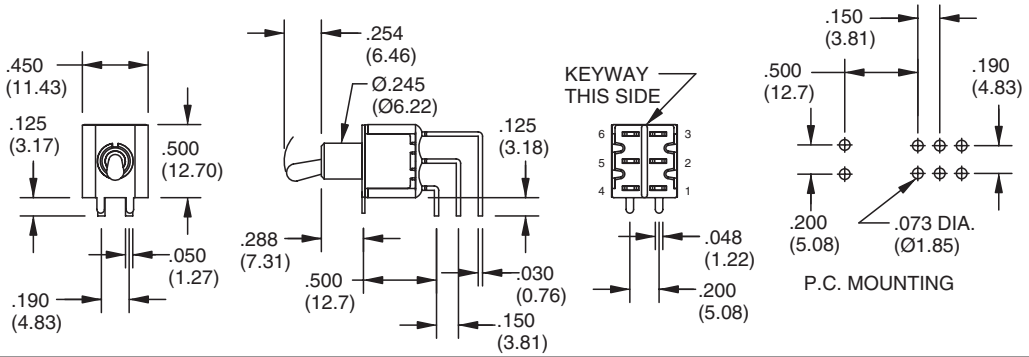


M7 Right Angle P.C. Mount, Vertical Actuation

SPDT



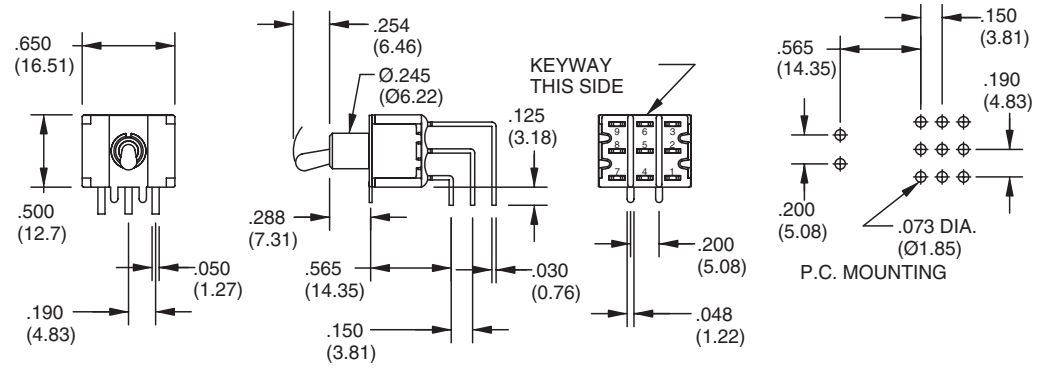
DPDT



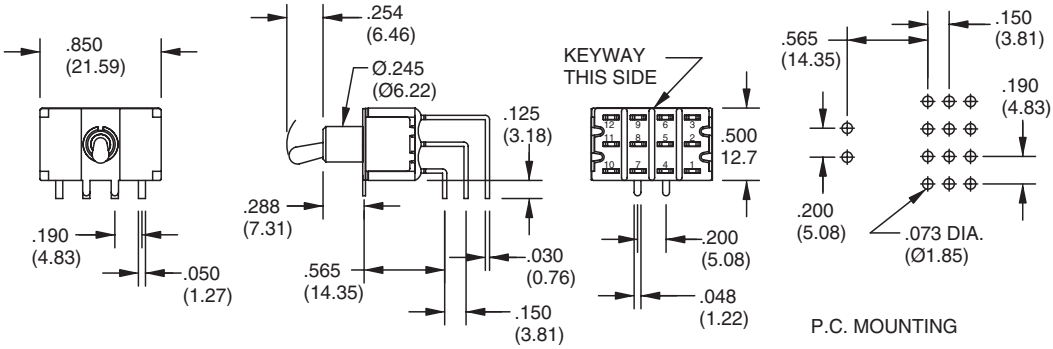
TERMINATION OPTIONS In inches (and millimeters)

M7 Right Angle P.C. Mount, Vertical Actuation

3PDT

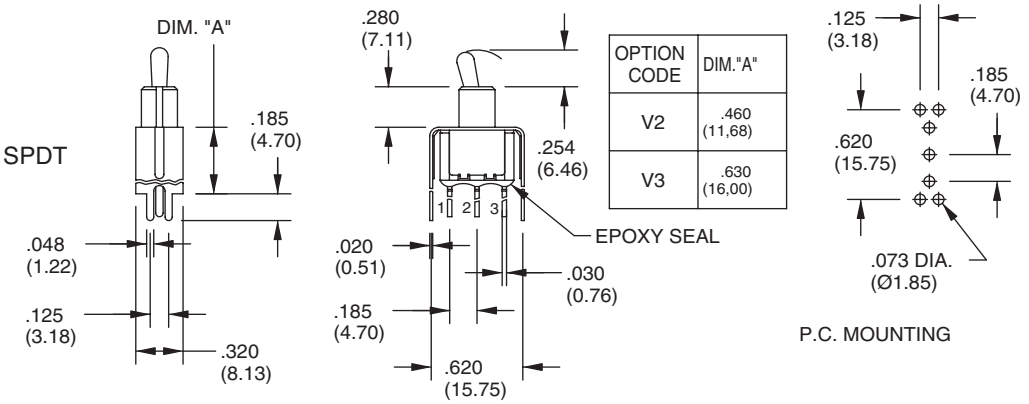


4PDT

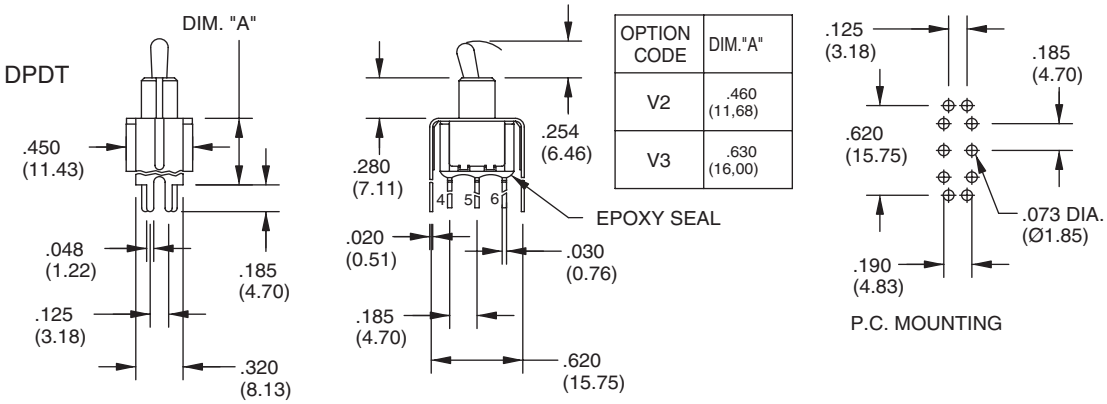


V2-V3 Vertical Bracket P.C. Mount

SPDT



DPDT



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
Dielectic 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, nickle-plated
Housing: Stainless steel

ORDERING INFORMATION

34ASP12B4M2RT

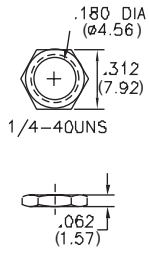
- Series 34A Miniature Toggle Switch
- Model: SPDT: SP1, SP2, SP3, SP4, SP5,
  DPDT: DP1, DP2, DP3, DP4, DP5
  3PDT: 3P1, 3P2, 3P3, 3P4, 3P5
  4PDT: 4P1, 4P2, 4P3, 4P4, 4P5
  (See Model options)
- Actuator Options: 1, 2, 3, 4, 5, 6, 7, 8, 9, L, N
  (See Actuator options.)
- Bushing Options: B1, B2, B3,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

HARDWARE In inches (and millimeters)

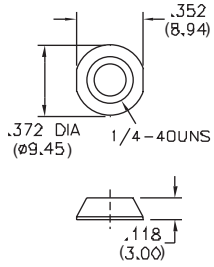
NUTS

Series 34A (Std)



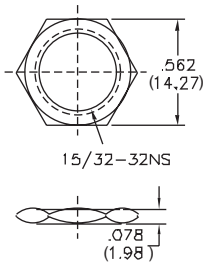
HDW2

Dress Nut



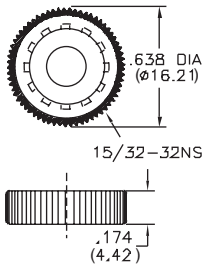
HDW3

For Actuator Options 7, 8 (Std)



HDW4

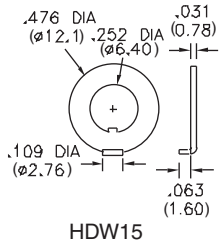
Knurled Nut (Sealed)



HDW5

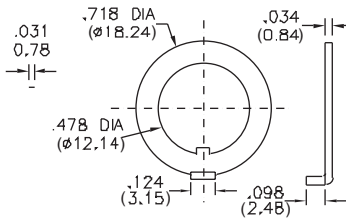
LOCKING RINGS

Series 34A (Std)



HDW15

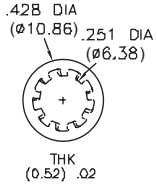
For Actuator Options 7, 8



HDW17

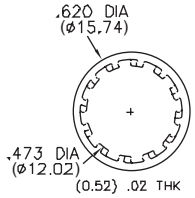
LOCK WASHERS

Series 34A (Std)



HDW11

For Actuator Options 7, 8



HDW12