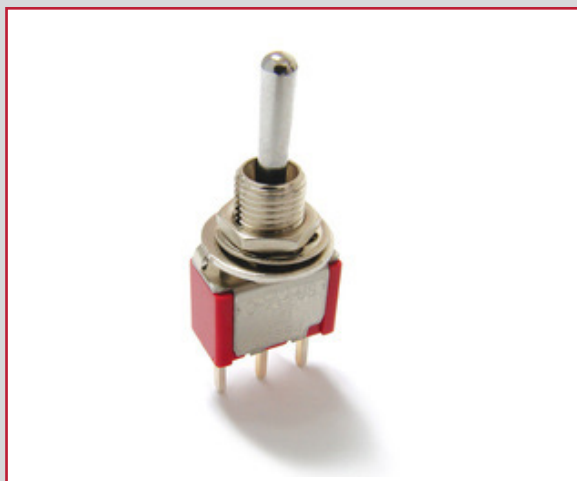


100 SERIES TOGGLE SWITCH

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS



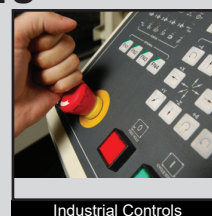
APPLICATIONS / MARKETS



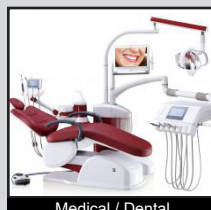
Floor Care Appliances



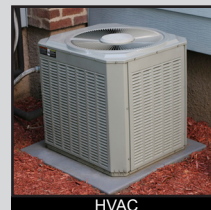
Commercial Appliances



Industrial Controls



Medical / Dental



HVAC



Vending Machines

RoHS

SPECIFICATIONS

Contact Rating: Silver - 5 Amps with resistive load @ 120VAC or 28VDC;
2 Amps with resistive load @ 250VAC
Gold - 0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)
Mechanical Life: 40,000 Make-and-Break Cycles
Electrical Life: 6,000 at Full Power
Contact Resistance: 10mΩ Max. Initial
Insulation Resistance: 1,000MΩ Min.
Dielectric Strength: 1,000V RMS at Sea Level
Operating Temperature: -40°C to 85°C
Torque: Max. 5kg·cm (70 ounce-inch)

FEATURES & BENEFITS

- Up to 4 poles available
- Variety of switching functions
- Miniature
- Multiple actuator & bushing options

PART NUMBER CONFIGURATOR

Series	Function	Actuator	Bushing	Termination	Contact Material	Seal	Hardware
100	SP1 - SPDT - On - None - On SP2 - SPDT - On - None - (On) * SP3 - SPDT - On - Off - On SP4 - SPDT - (On) - Off - (On) * SP5 - SPDT - On - Off - (On) * DP1 - DPDT - On - None - On DP2 - DPDT - On - None - (On) * DP3 - DPDT - On - Off - On DP4 - DPDT - (On) - Off - (On) * DP5 - DPDT - On - Off - (On) * DP6 - DPDT - On - On - On DP7 - DPDT - On - On - (On) * DP8 - DPDT - (On) - On - (On) * 3P1 - 3PDT - On - None - On 3P2 - 3PDT - On - None - (On) * 3P3 - 3PDT - On - Off - On 3P4 - 3PDT - (On) - Off - (On) * 3P5 - 3PDT - On - Off - (On) * 4P1 - 4PDT - On - None - On 4P2 - 4PDT - On - None - (On) * 4P3 - 4PDT - On - Off - On 4P4 - 4PDT - (On) - Off - (On) * 4P5 - 4PDT - On - Off - (On) * 4P6 - 4PDT - On - On - On 4P7 - 4PDT - On - On - (On) * 4P8 - 4PDT - (On) - On - (On) *	T1 - Standard Height = 0.410 *** T2 - 22mm Plastic Bat T3 - Height = 0.550 T4 - Height = 0.640 T5 - Height = 0.840 T6 ¹ - Height = 0.484 Flatted With Built-In An- tiration. Use with B11, B12, B15, B16 Only. T7 ² - Use With B13 Bushing Only T8 ² - Use With B13 Bushing Only T9 ⁷ - Plastic Black Height = 0.840 B1, B3, & B9 Bushing Standard K1 ⁶ K2 ⁶	B1 - THD-STD B2 ³ - NON-THD B3 - THD-STD B4 ⁸ - NON-THD Standard For M6, M7 & VS Termination B5 - HIGH TORQUE B6 - HIGH TORQUE B8 - METRIC-THD B9 - SPLASH PROOF B11 ⁴ - THD-STD For T6 Only B12 ^{3,4} - NON-THD For T6 Only B13 ⁵ - For T7 & T8 Only B15 ⁴ - THD-STD For T6 Only B16 ^{3,4} - NON-THD For T6 Only B25 - For K1 & K2 Only ** B26 - For K1 & K2 Only **	M1 - Solder Lug M2 - PCB Mount M3 - Quick Connect M5 - Wire Wrap M6 - Horizontal Rt. Angle PCB Mount M61 - Horizontal Rt. Angle PCB Mount w/Retention Bracket M7 - Vertical Rt. Angle PCB Mount M71 - Vertical Rt. Angle w/Retention Bracket VS2 ⁹ - Vertical Bracket PCB Mount Dim A = 0.460 VS3 ⁹ - Vertical Bracket PCB Mount Dim A = 0.630 VS5 - Vertical Bracket PCB Mount Dim A = 0.630 * VS64 - Horizontal Rt. Angle * VS21 - Vertical w/Retention Bracket Dim A = 0.460 * VS31 - Vertical w/Retention Bracket Dim A = 0.630 *	Q- Silver R - Gold	E - Epoxy Sealed	(None) H - Hardware to be used with threaded bushing options only

NOTES:

- () = Denotes function is momentary
* = Not available with K1 or K2 Actuator
** = Only available with K1 or K2 Actuator
*** = Optional Toggle Cap (T1 only) T100-1 = White
T100-2 = Black
1 = Only available with B11, B12, B15, B16 Bushing
2 = Only available with B13 Bushing
3 = NON-THD has no hardware available
4 = Only available with T6 Actuator
5 = Only available with T7 and T8 Actuators
6 = Only available with B25 and B26 Bushings
7 = Add 1.78 [.070 in] for B3 and B4 Bushings
8 = B4 is standard for M6, M7, and VS Terminations
9 = VS2 and VS3 frame requires M2 Termination

Specifications subject to change without notice 5.2.2024



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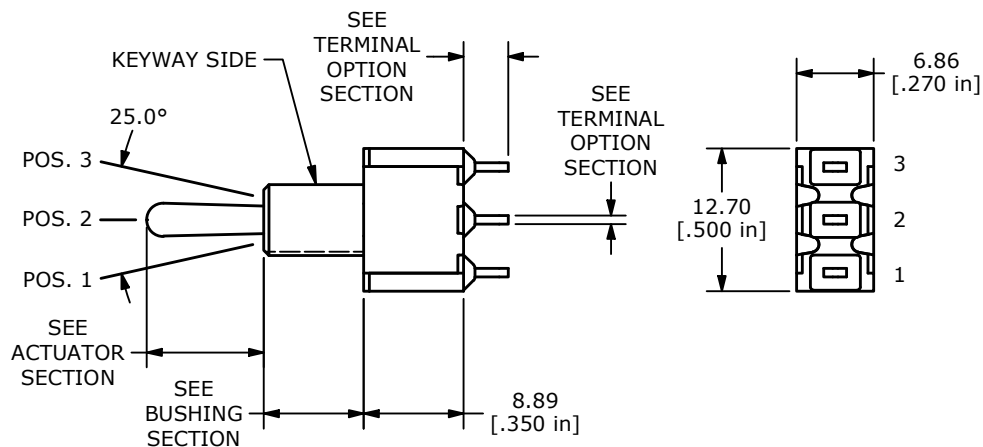
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1

100 SERIES TOGGLE SWITCH

FUNCTION OPTIONS

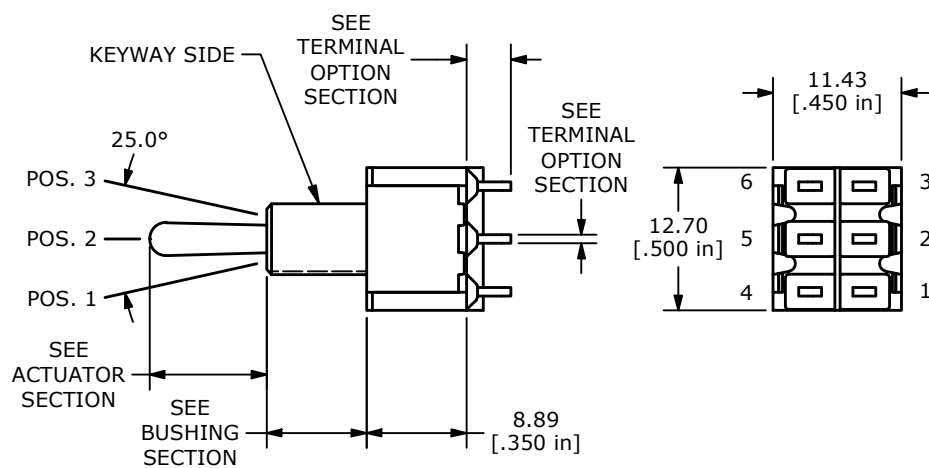
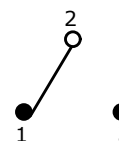


SINGLE POLE

MODEL NO.	POS. 1	POS. 2	POS. 3
SP1	ON	NONE	ON
SP2*	ON	NONE	(ON)
SP3	ON	OFF	ON
SP4*	(ON)	OFF	(ON)
SP5*	ON	OFF	(ON)
TERMINAL CLOSURE	2-3	OPEN	2-1

() = MOMENTARY

* = NOT AVAILABLE W/ K1 & K2 ACTUATOR

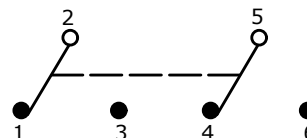


DOUBLE POLE

MODEL NO.	POS. 1	POS. 2	POS. 3
DP1	ON	NONE	ON
DP2*	ON	NONE	(ON)
DP3	ON	OFF	ON
DP4*	(ON)	OFF	(ON)
DP5*	ON	OFF	(ON)
DP6	ON	ON	ON
DP7*	ON	ON	(ON)
DP8*	(ON)	ON	(ON)
TERMINAL CLOSURE	2-3, 5-6	2-3, 5-4	2-1, 5-4

() = MOMENTARY

* = NOT AVAILABLE W/ K1 & K2 ACTUATOR



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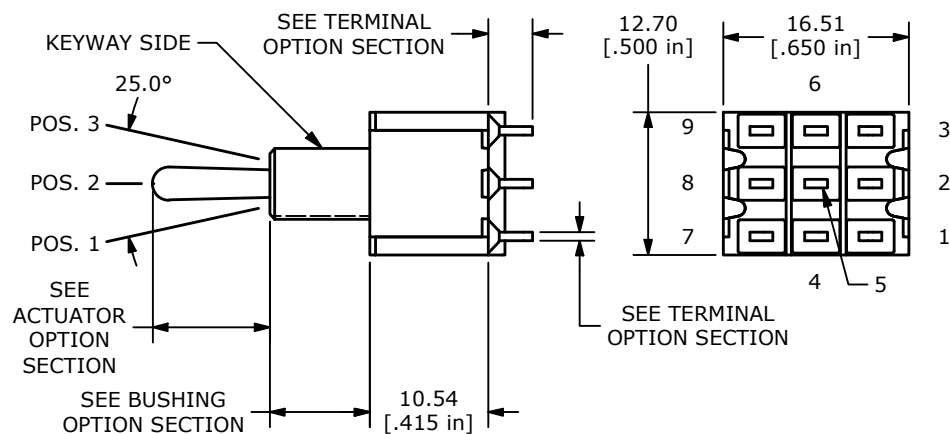
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2

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS

100 SERIES TOGGLE SWITCH

FUNCTION OPTIONS (CONTINUED)

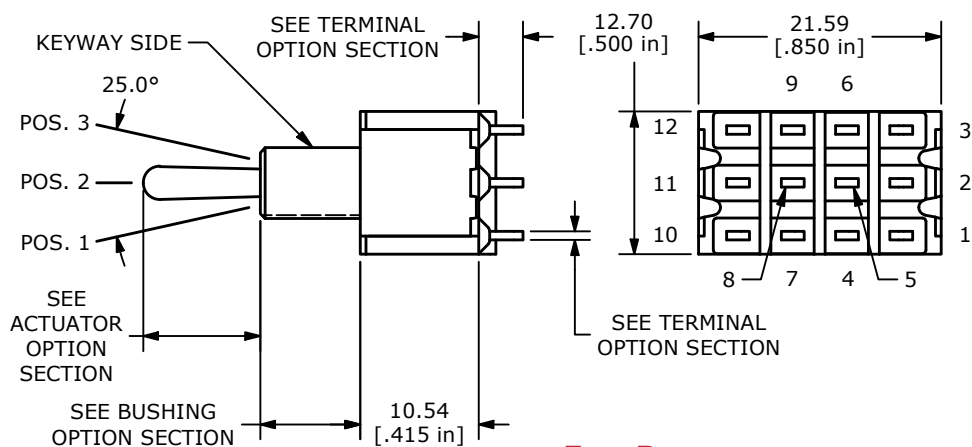
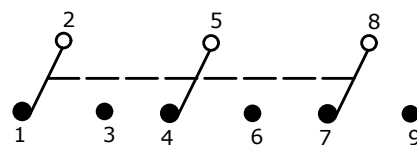


THREE POLE

MODEL NO.	POS. 1	POS. 2	POS. 3
3P1	ON	NONE	ON
3P2*	ON	NONE	(ON)
3P3	ON	OFF	ON
3P4*	(ON)	OFF	(ON)
3P5	ON	OFF	(ON)
TERMINAL CLOSURE	2-3, 5-6, 8-9	OPEN	2-1, 5-4, 8-7

() = MOMENTARY

* = NOT AVAILABLE W/ K1 & K2 ACTUATOR

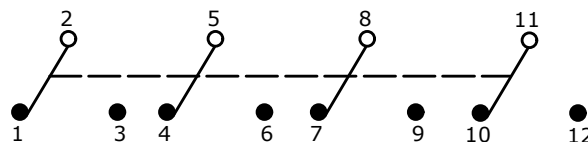


FOUR POLE

MODEL NO.	POS. 1	POS. 2	POS. 3
4P1	ON	NONE	ON
4P2*	ON	NONE	(ON)
4P3	ON	OFF	ON
4P4*	(ON)	OFF	(ON)
4P5*	ON	OFF	(ON)
4P6	ON	ON	ON
4P7*	ON	ON	(ON)
4P8*	(ON)	ON	(ON)
TERMINAL CLOSURE	2-3, 5-6, 8-9, 11-12	2-3, 5-4, 8-9, 11-10	2-1, 5-4, 8-7, 11-10

() = MOMENTARY

* = NOT AVAILABLE W/ K1 & K2 ACTUATOR



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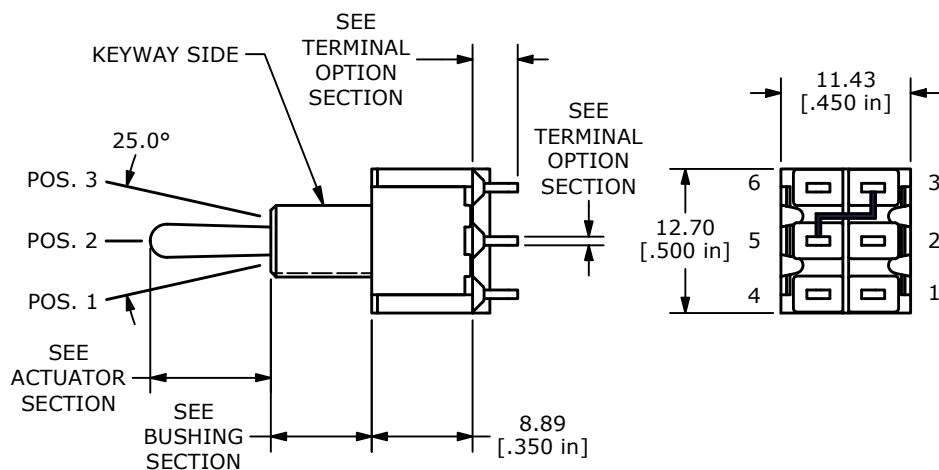
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3

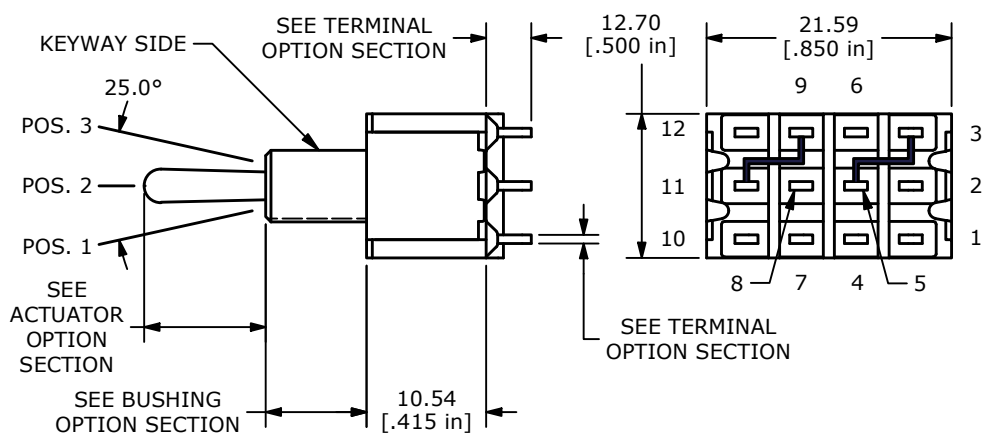
100 SERIES TOGGLE SWITCH

3 - WAY WIRING DIAGRAM SCHEMATICS



		
POS. 1	POS. 2	POS. 3
(OUT) 6  3  5  2 (IN)  4  1 	6  3  5  2 (IN)  (OUT) 4  1 	6  3  5  2 (IN)  4  1 (OUT) 

BOTTOM VIEW FOR DP6, DP7, DP8



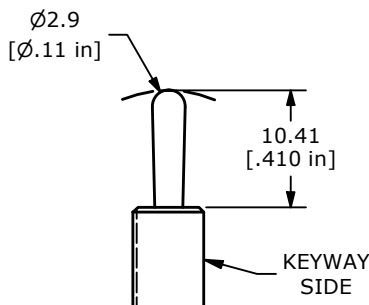
		
POS. 1	POS. 2	POS. 3
12  9  6  3  11  8  7  4  2  1  10  5 	12  9  6  3  11  8  7  4  2  1  10  5 	12  9  6  3  11  8  7  4  2  1  10  5 

BOTTOM VIEW FOR 4P6, 4P7, 4P8

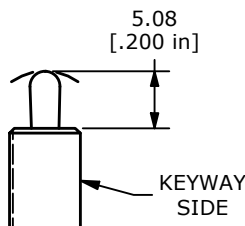


100 SERIES TOGGLE SWITCH

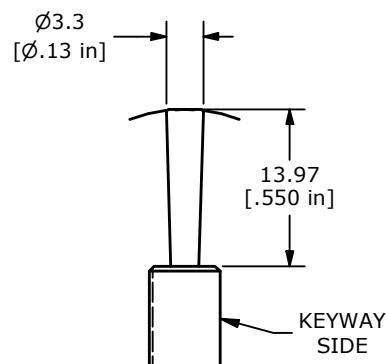
ACTUATOR OPTIONS



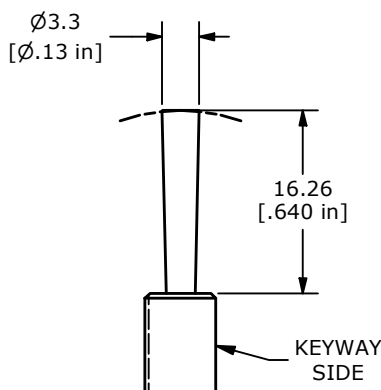
T1*



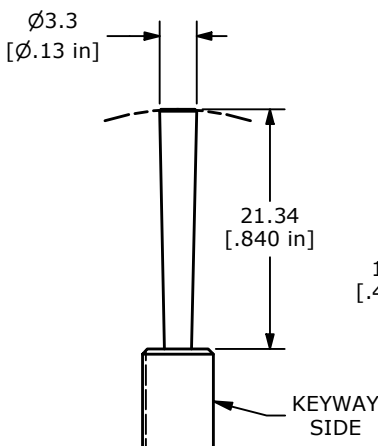
T2*



T3*

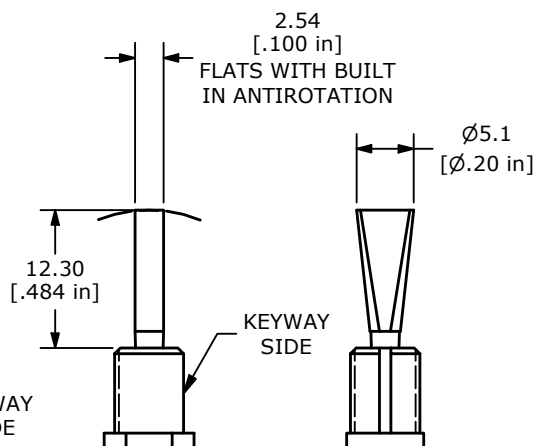


T4*



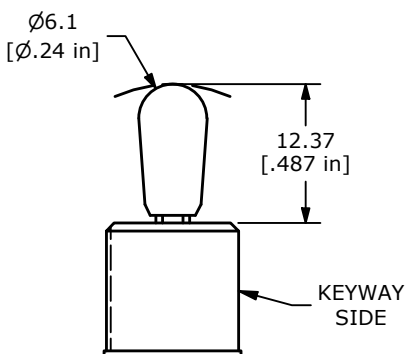
T5*

B3, B4 BUSHING
STANDARD



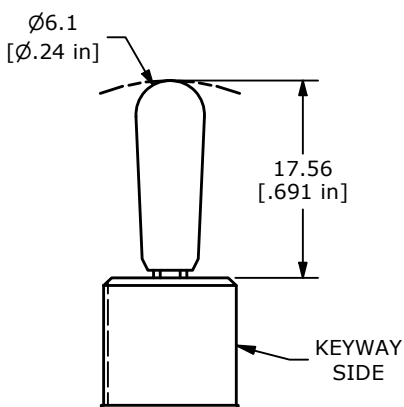
T6

USE WITH B11, B12,
B15, B16 ONLY



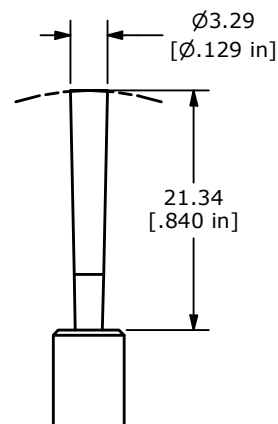
T7

USE WITH B13



T8

USE WITH B13



T9*

B1, B2
STANDARD

* ADD 1.78 [.070] FOR B3, B4
SUBTRACT 0.51 [.020] FOR B6



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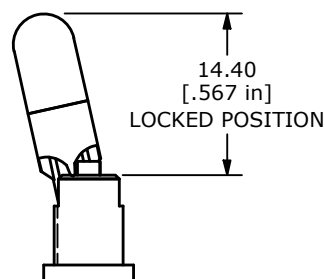
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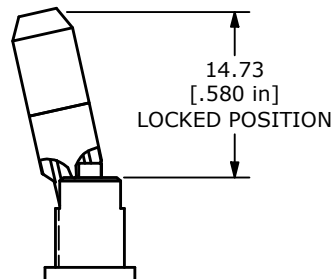
5

100 SERIES TOGGLE SWITCH

ACTUATOR OPTIONS (CONTINUED)

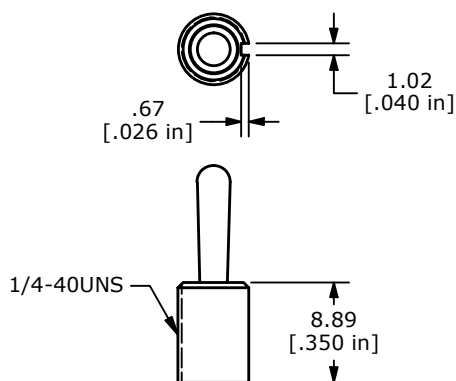


K1
B25, B26 ONLY

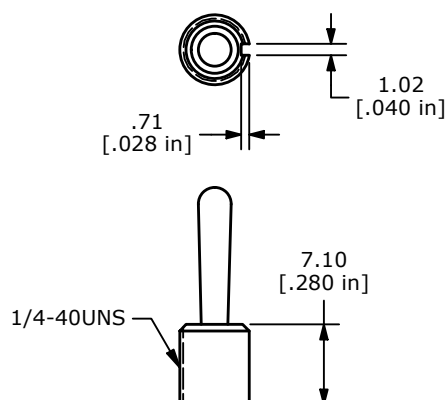


K2
B25, B26 ONLY

BUSHING OPTIONS

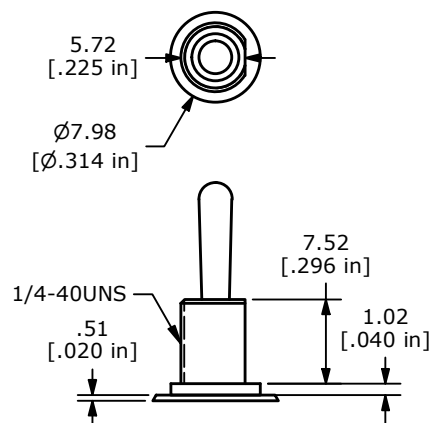


B1 - THD STD
B2 - NON-THD

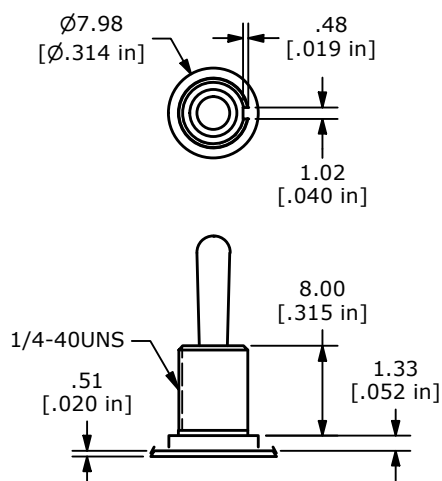


B3 - THD STD
B4 - NON-THD

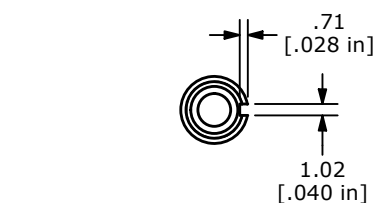
B4 - STD FOR M6, M7,
AND VS TERMINATIONS



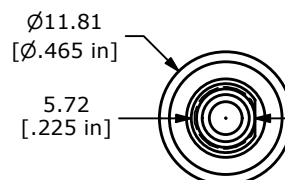
B5 - HIGH TORQUE



B6 - HIGH TORQUE



B8 - METRIC THD



B9 - SPLASH PROOF



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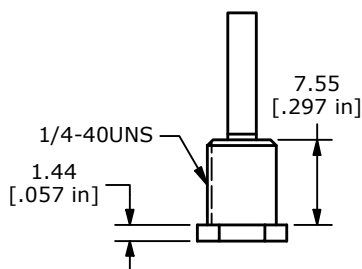
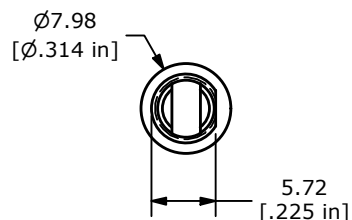
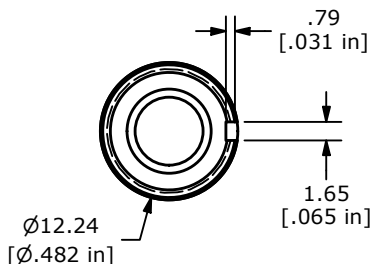
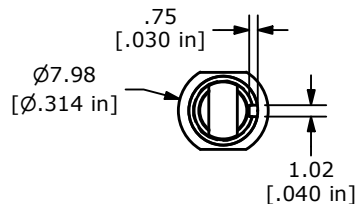
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ANTI-VANDAL
DETECTOR
DIP
KEYLOCK
NAVIGATION
PUSHBUTTON
ROCKER
ROTARY
SLIDE
SNAP ACTION
TACTILE
TOGGLE
CAP
OPTIONS

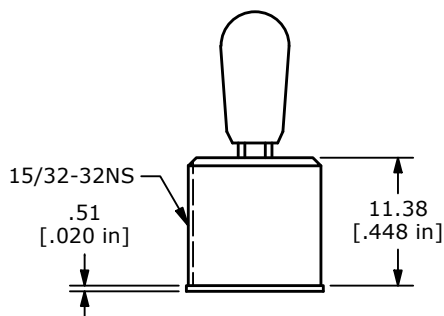
100 SERIES TOGGLE SWITCH

BUSHING OPTIONS (CONTINUED)



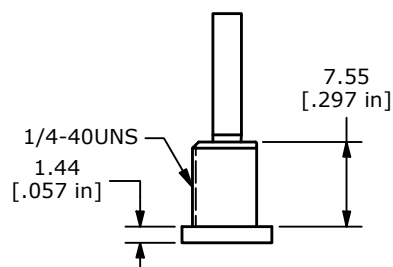
B11 - THD STD
B12 - NON-THD

T6
ACTUATOR ONLY



B13

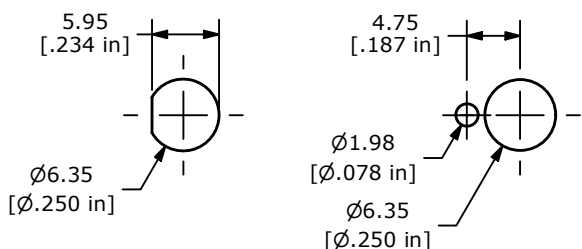
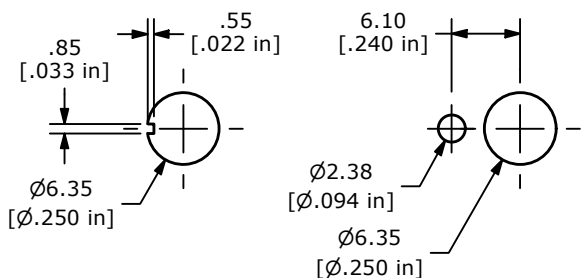
T7, T8
ACTUATORS ONLY



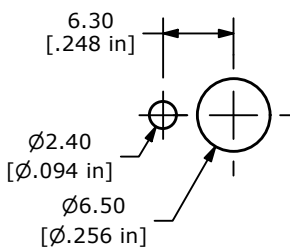
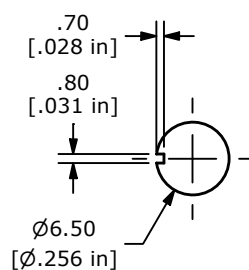
B15 - THD STD
B16 - NON-THD

T6
ACTUATOR ONLY

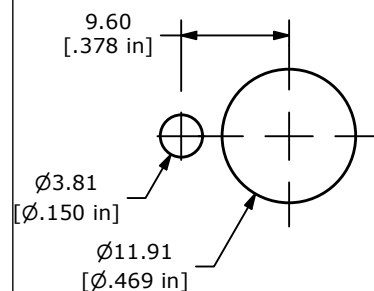
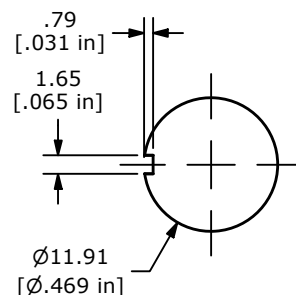
BUSHING OPTIONS PANEL MOUNTING



1/4 IN. BUSHING



METRIC BUSHING



15/32 IN. BUSHING



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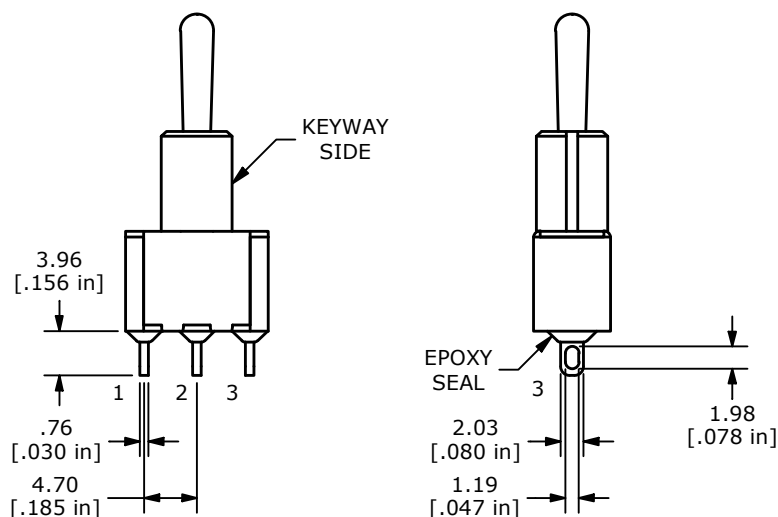
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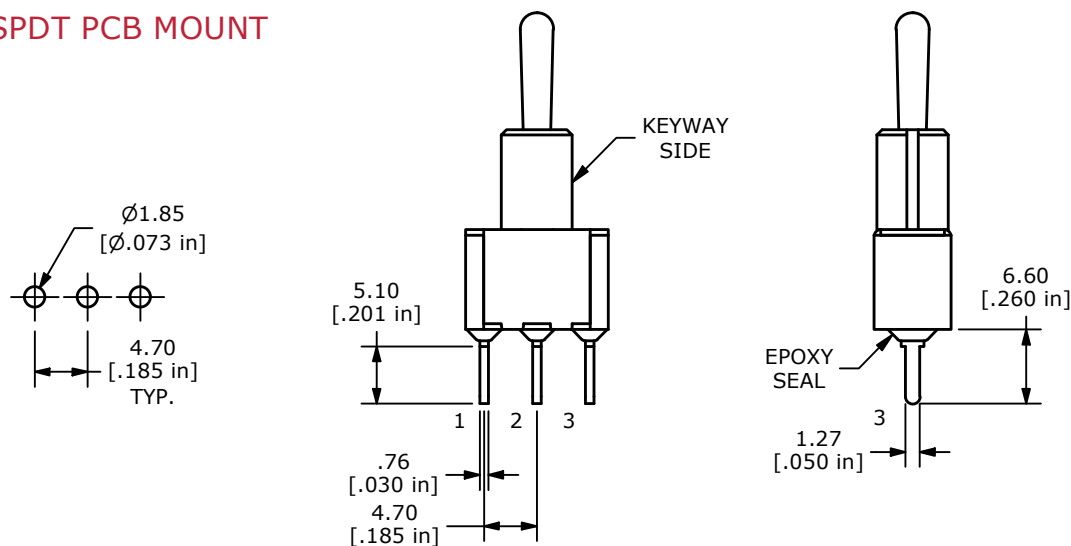
100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

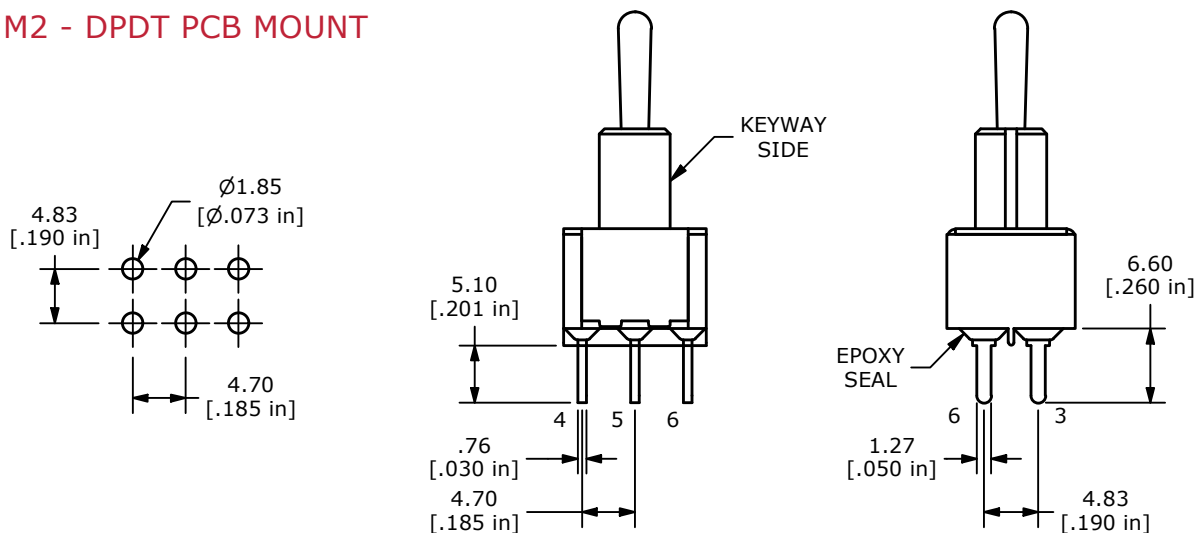
M1 - SOLDER LUG



M2 - SPDT PCB MOUNT



M2 - DPDT PCB MOUNT



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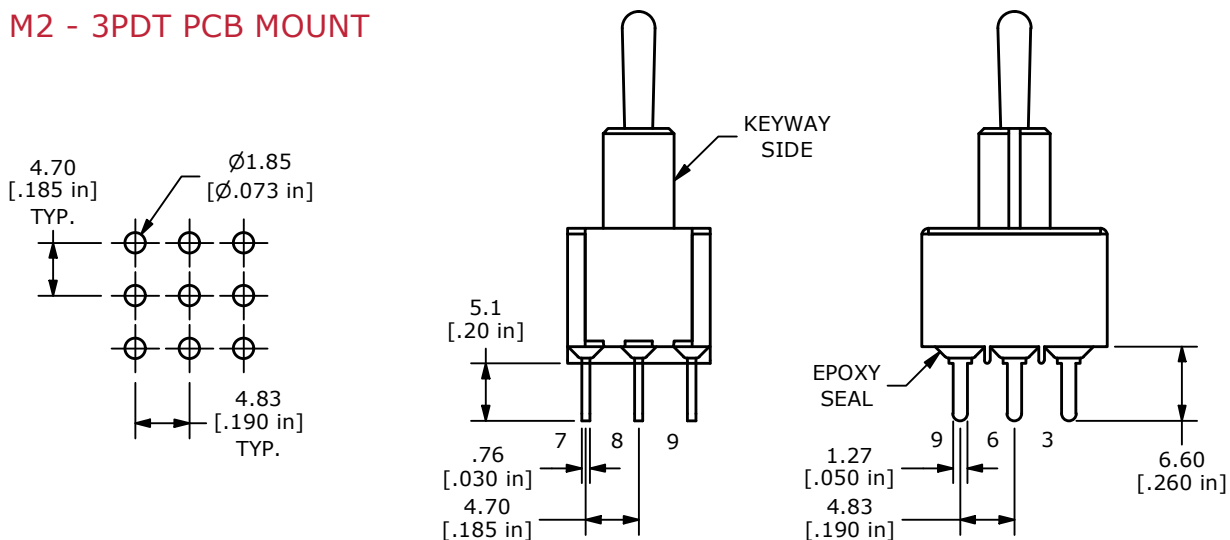
8

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
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TOGGLE SWITCHES
CAP OPTIONS

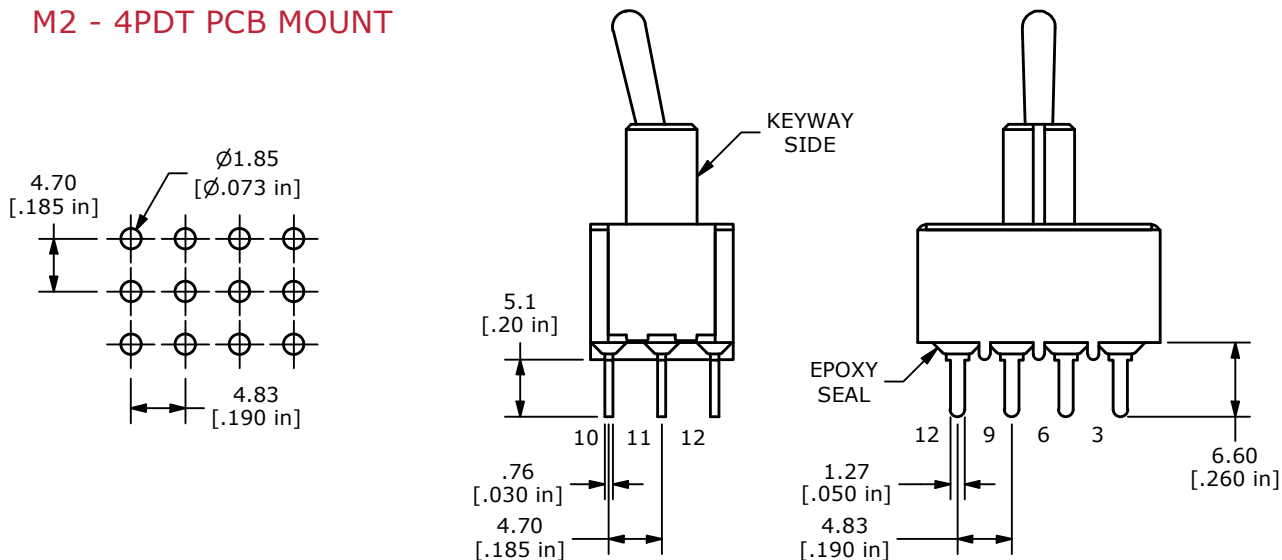
100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

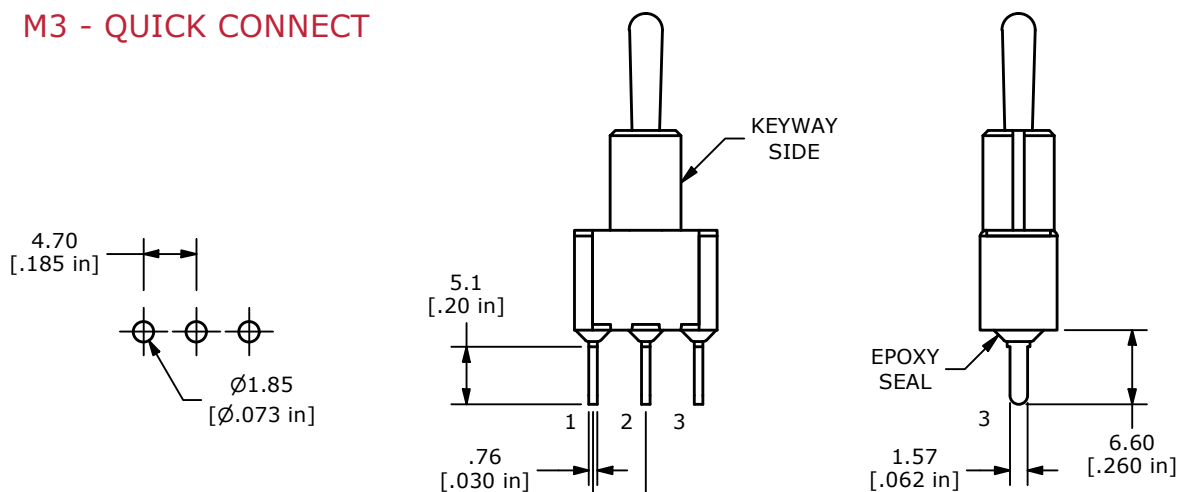
M2 - 3PDT PCB MOUNT



M2 - 4PDT PCB MOUNT



M3 - QUICK CONNECT

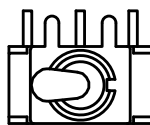
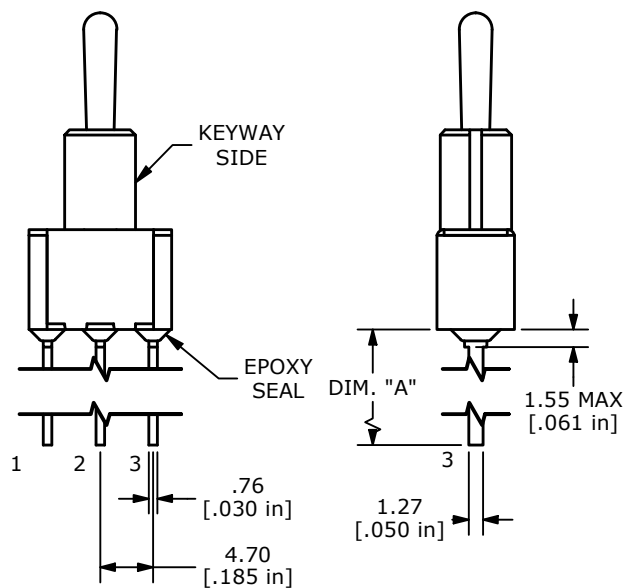


100 SERIES TOGGLE SWITCH

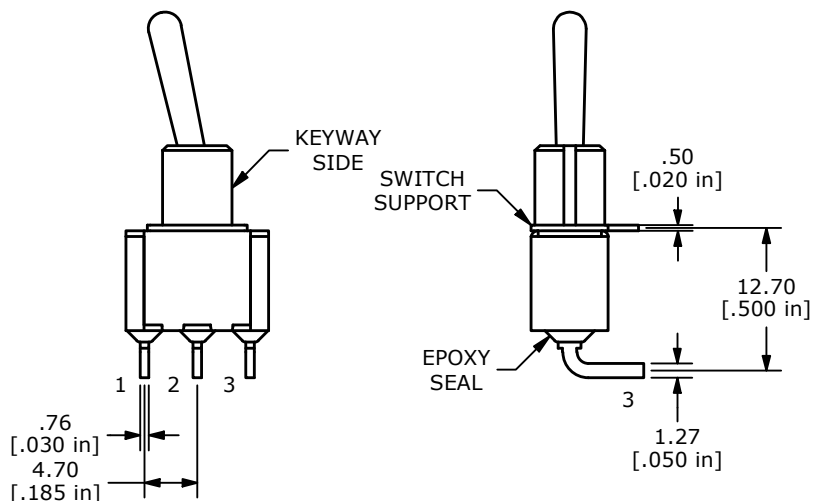
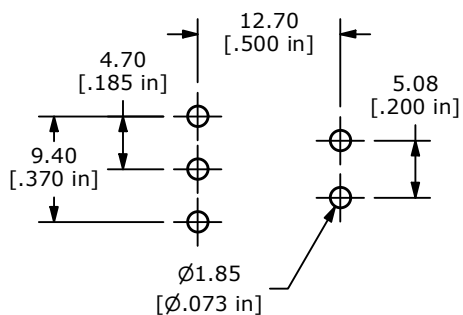
TERMINATION OPTIONS

M5 - WIRE WRAP

OPTION CODE	DIM "A"
M51	18.70 [0.736 in]
M52	24.20 [0.953 in]
M53	10.55 [0.415 in]
M54	26.97 [1.062 in]



M6 - SP HORIZONTAL RIGHT ANGLE PCB MOUNT



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ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

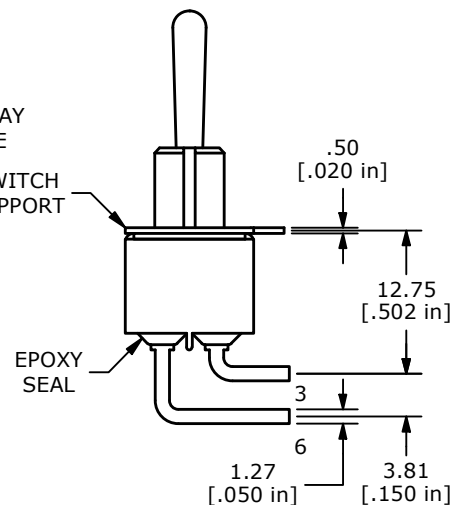
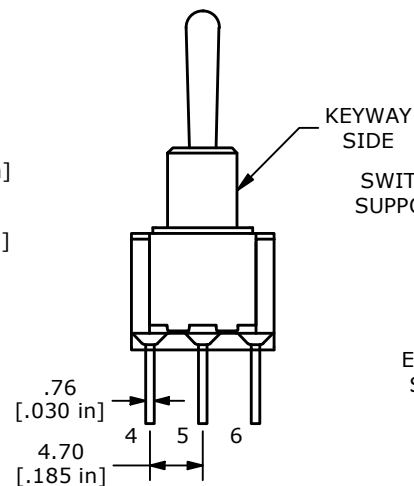
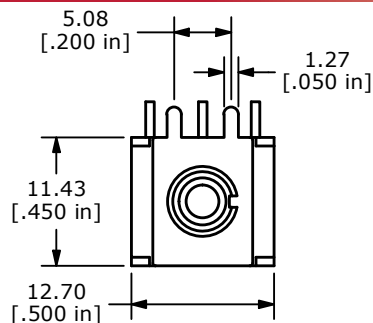
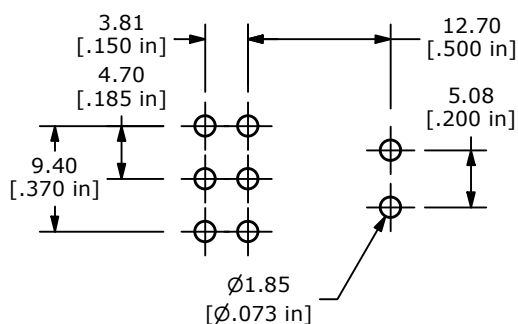
CAP
OPTIONS

100 SERIES TOGGLE SWITCH

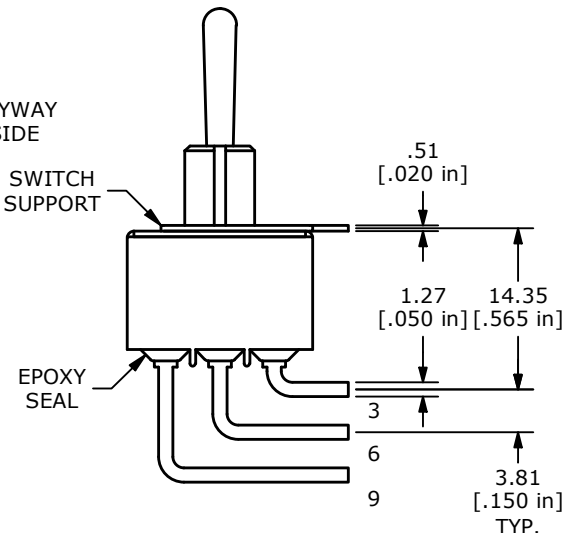
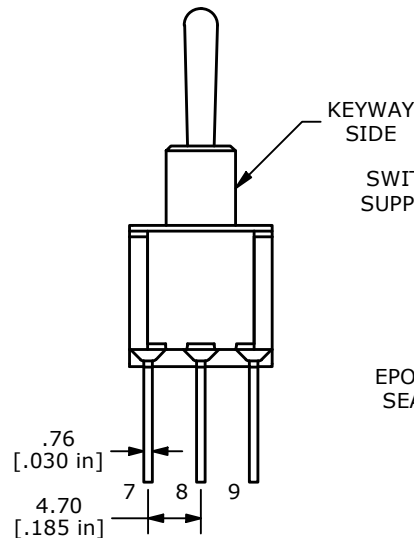
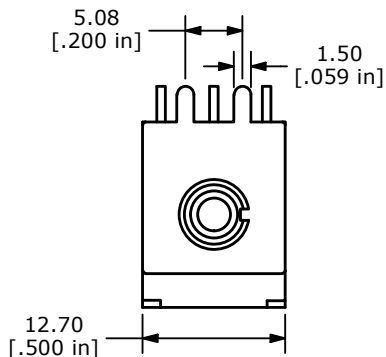
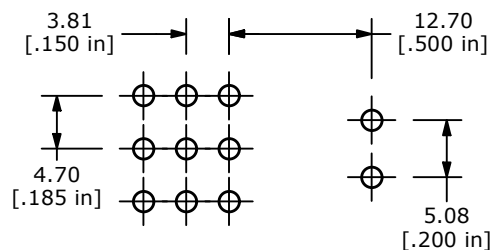
TERMINATION OPTIONS

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS

M6 - DP HORIZONTAL RIGHT ANGLE PCB MOUNT



M6 - 3P HORIZONTAL RIGHT ANGLE PCB MOUNT



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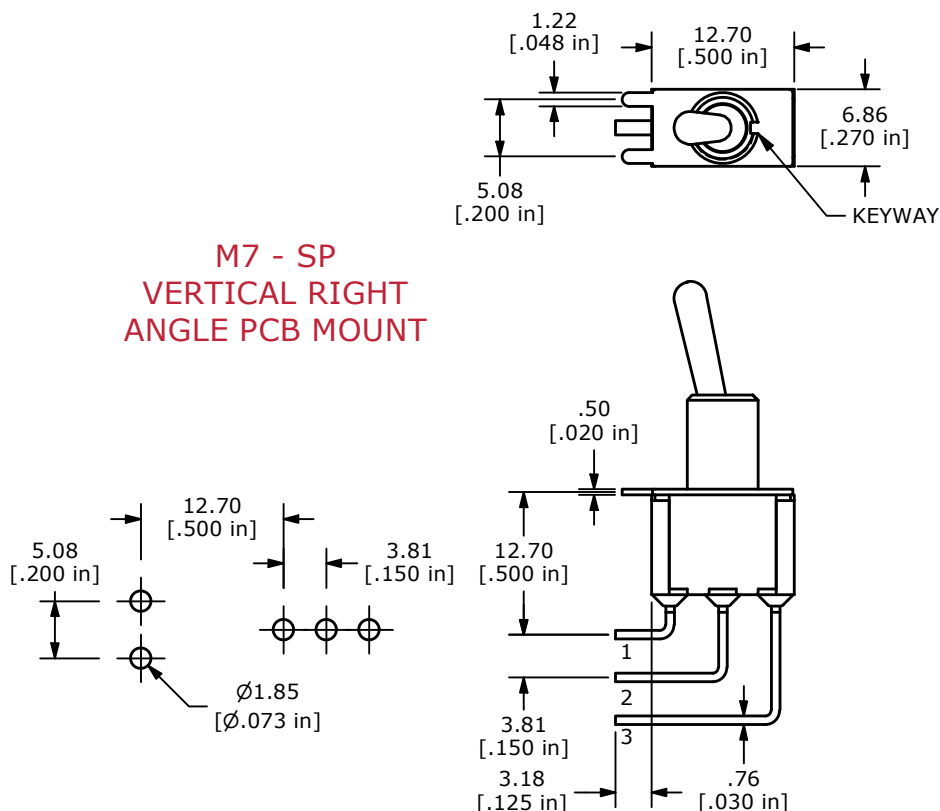
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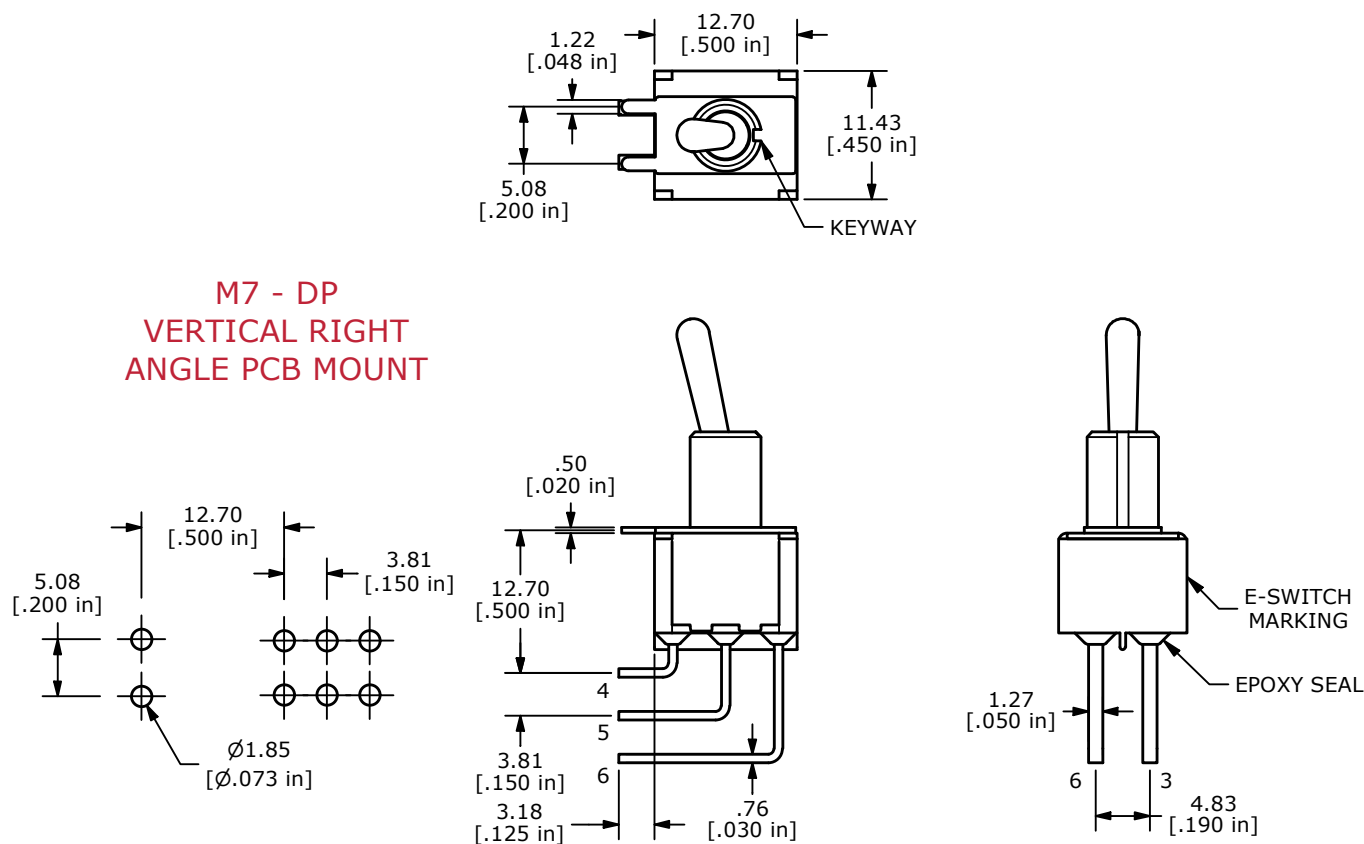
100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

M7 - SP VERTICAL RIGHT ANGLE PCB MOUNT



M7 - DP VERTICAL RIGHT ANGLE PCB MOUNT



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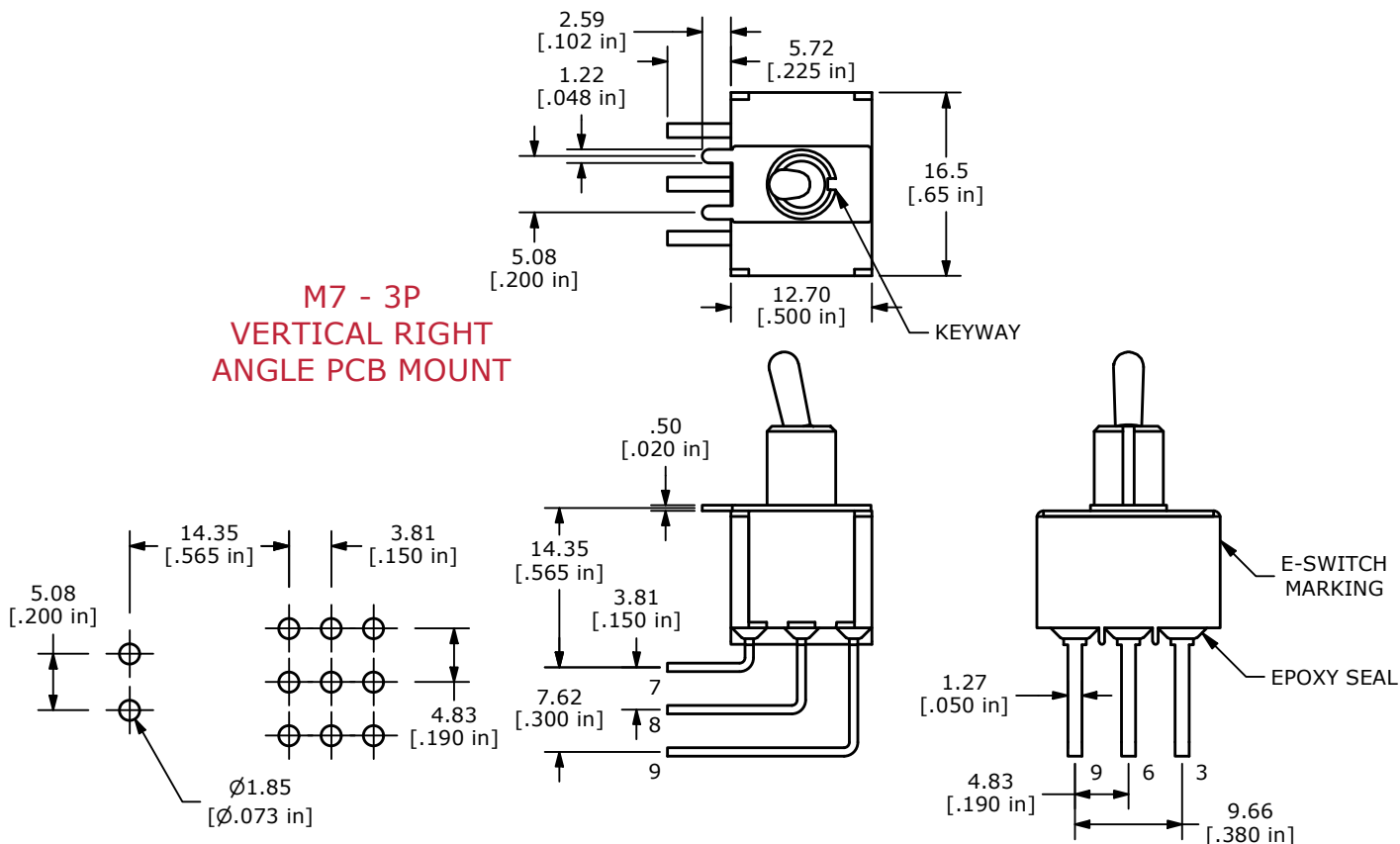
ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS

100 SERIES TOGGLE SWITCH

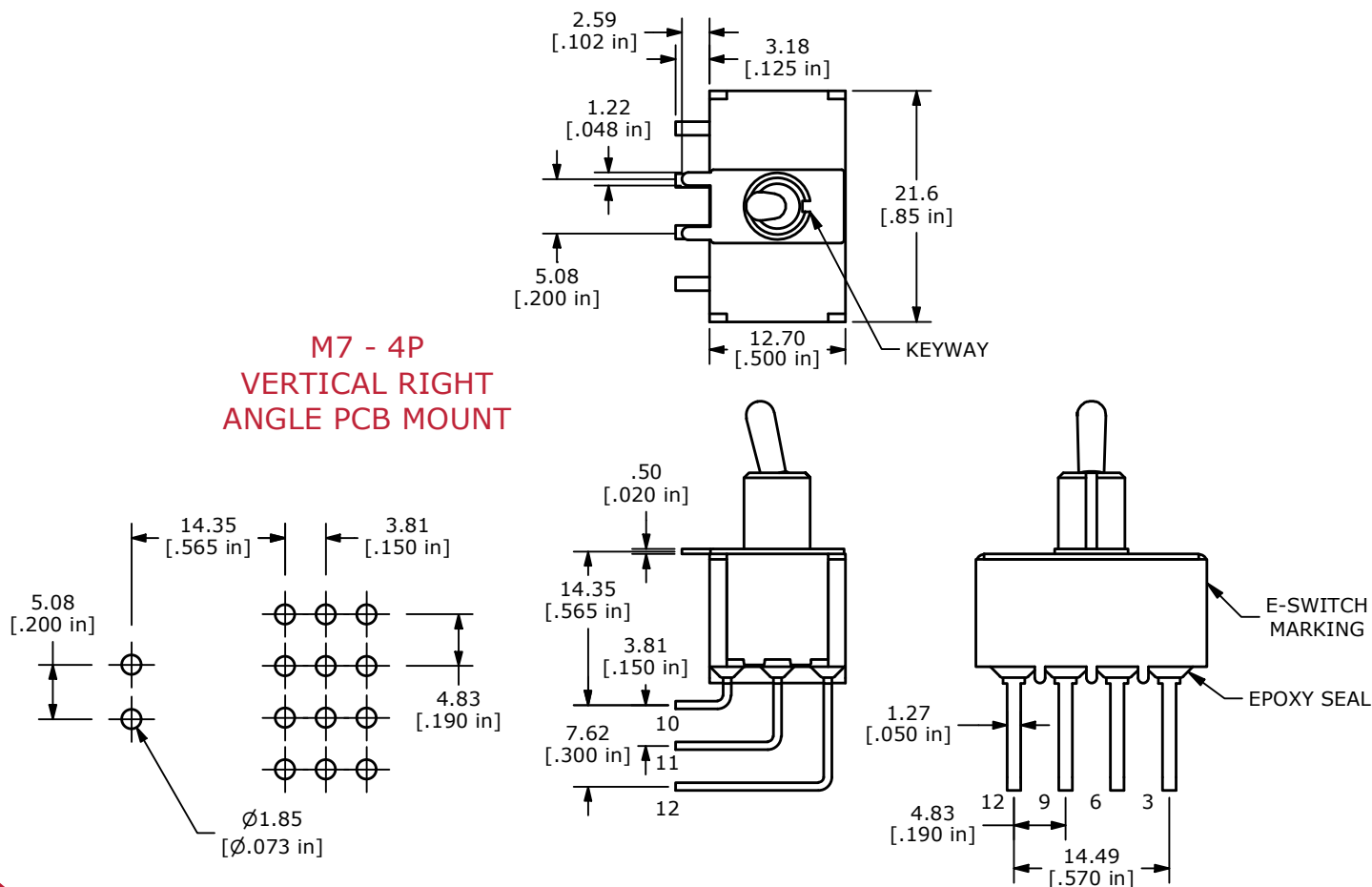
TERMINATION OPTIONS

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS

M7 - 3P VERTICAL RIGHT ANGLE PCB MOUNT



M7 - 4P VERTICAL RIGHT ANGLE PCB MOUNT



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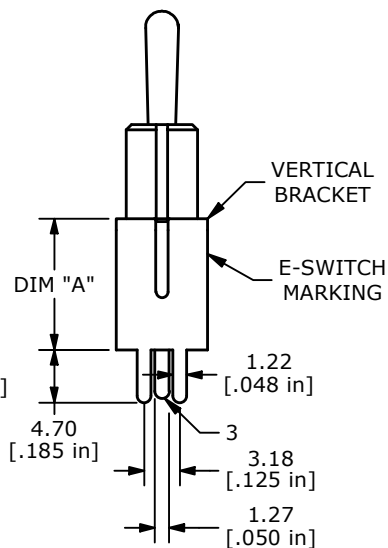
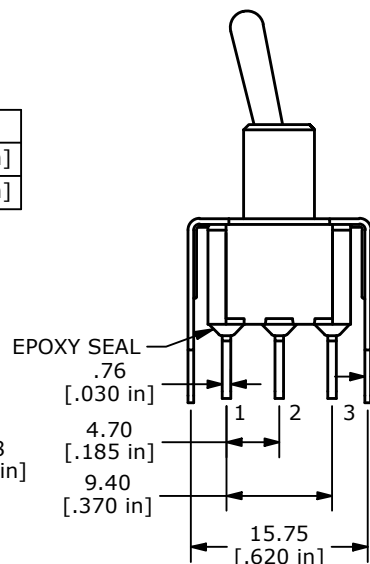
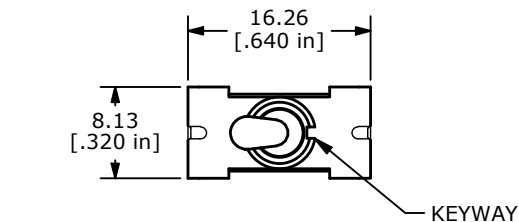
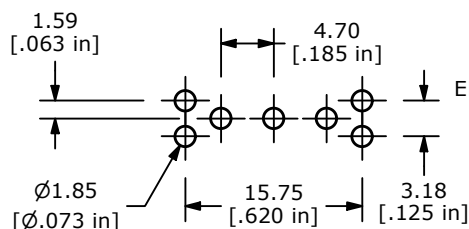
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100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

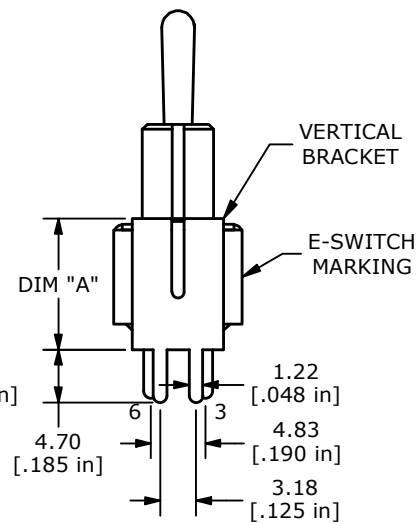
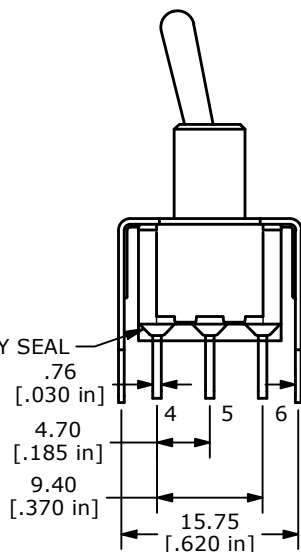
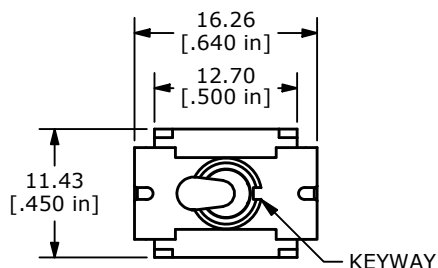
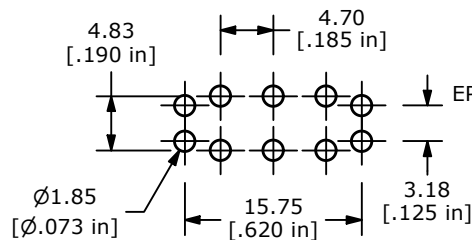
VS2 - VS3 - SP VERTICAL BRACKET PCB MOUNT (REQUIRES M2 TERMINATION)

OPTION CODE	DIM "A"
VS2	11.68 [0.460 in]
VS3	16.00 [0.630 in]



VS2 - VS3 - DP VERTICAL BRACKET PCB MOUNT (REQUIRES M2 TERMINATION)

OPTION CODE	DIM "A"
VS2	11.68 [0.460 in]
VS3	16.00 [0.630 in]



100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

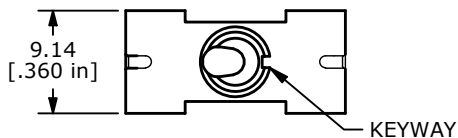
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

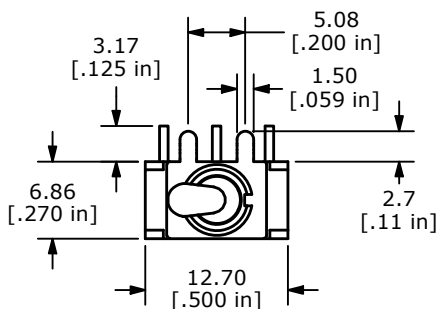
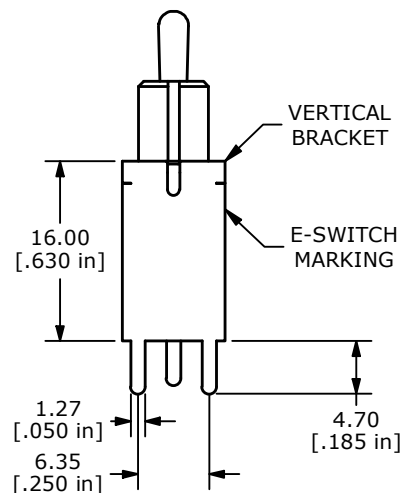
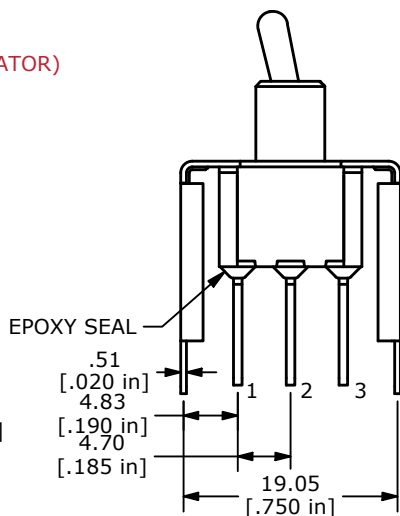
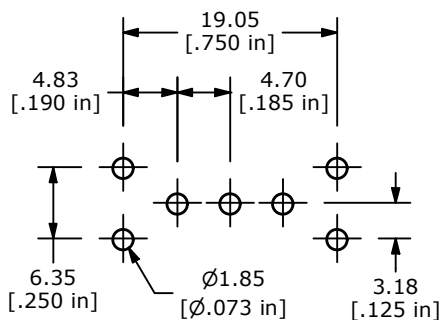
TACTILE
SWITCHES

TOGGLE
SWITCHES

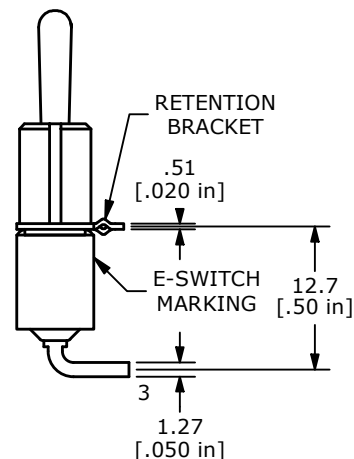
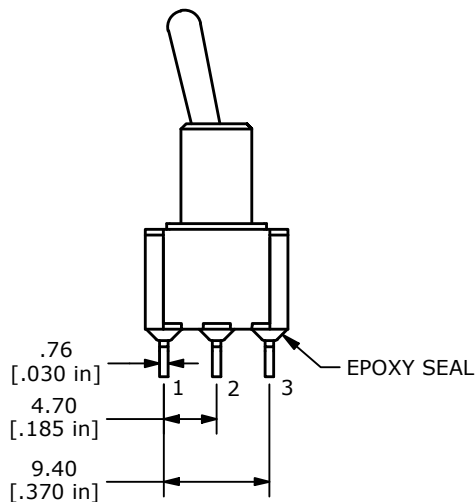
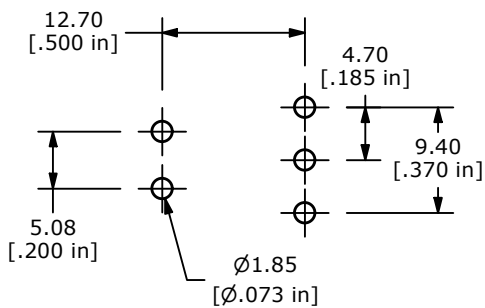
CAP
OPTIONS



**VS5 - SP
VERTICAL BRACKET
PCB MOUNT**
(NOT AVAILABLE w/K1 OR K2 ACTUATOR)



**M61 - SP
HORIZONTAL RT.
ANGLE PCB MOUNT**
(w/ RETENTION BRACKET)



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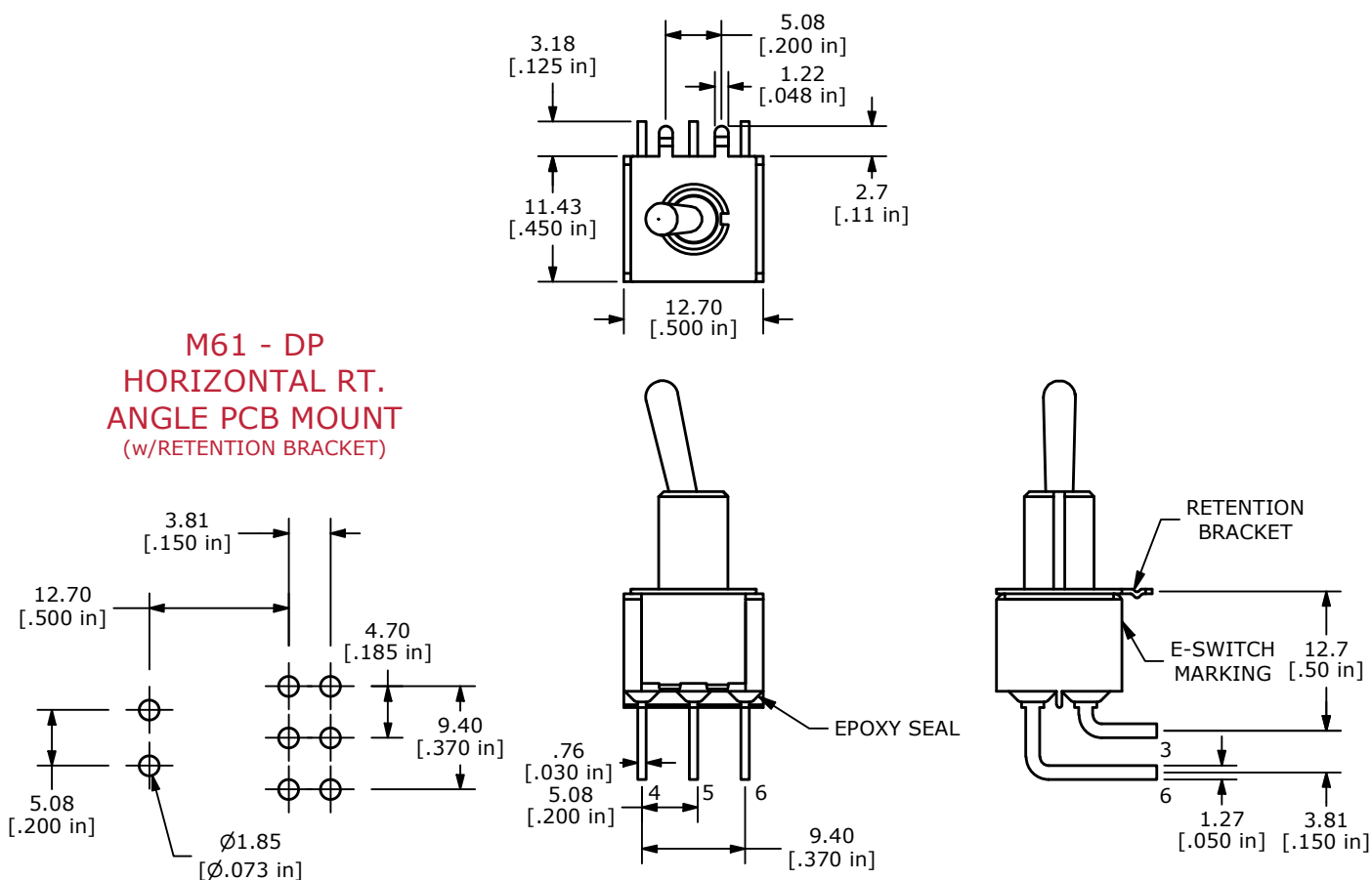
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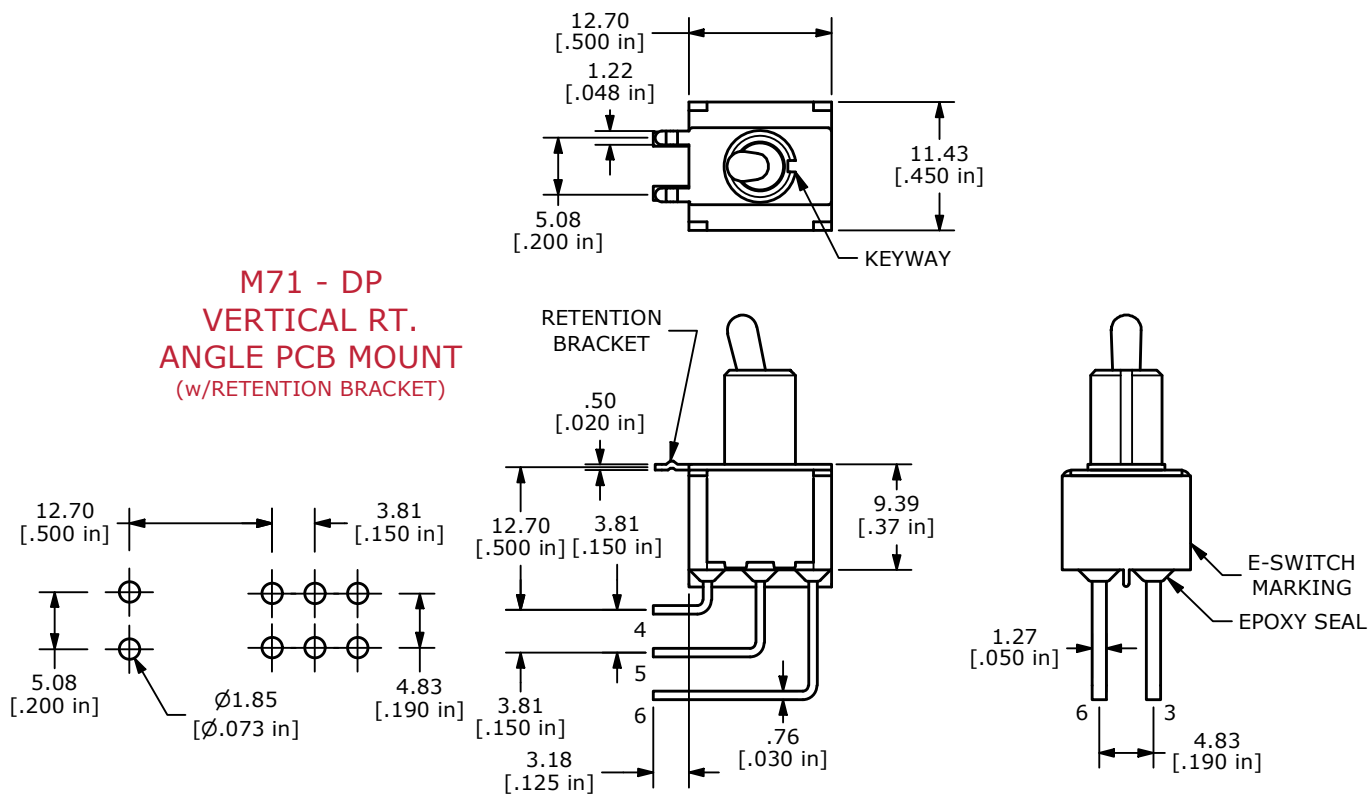
100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

**M61 - DP
HORIZONTAL RT.
ANGLE PCB MOUNT
(w/RETENTION BRACKET)**



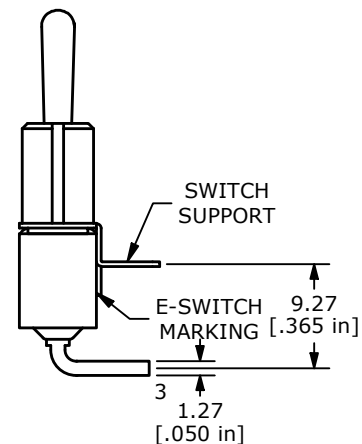
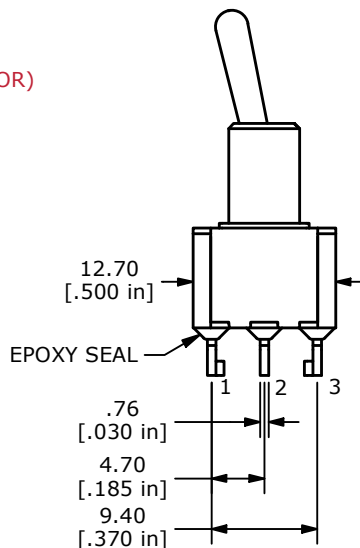
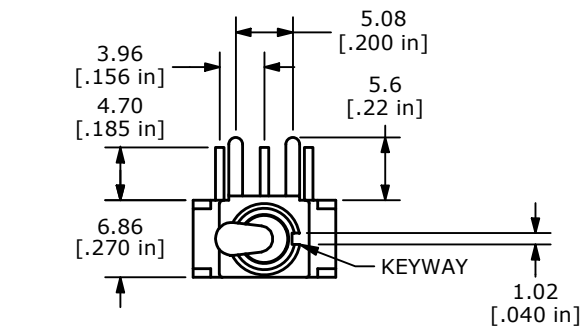
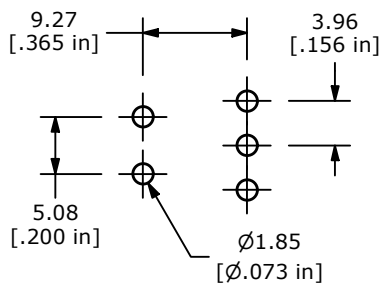
**M71 - DP
VERTICAL RT.
ANGLE PCB MOUNT
(w/RETENTION BRACKET)**



100 SERIES TOGGLE SWITCH

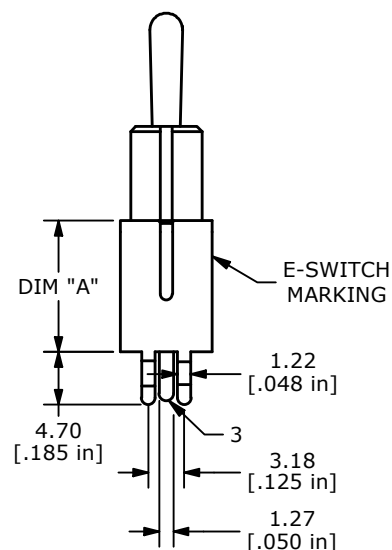
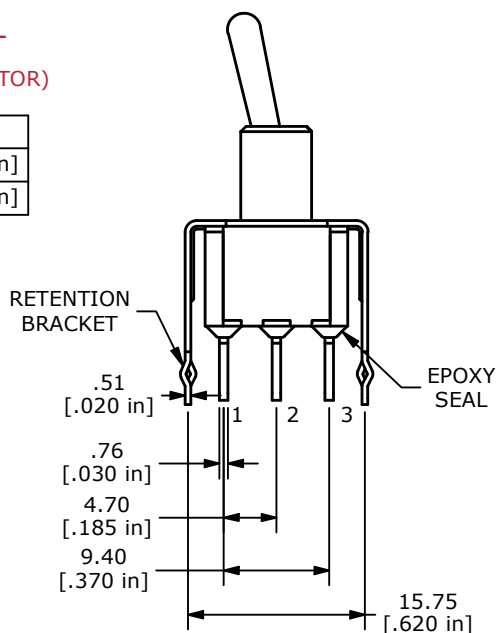
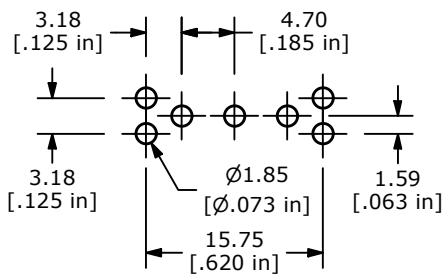
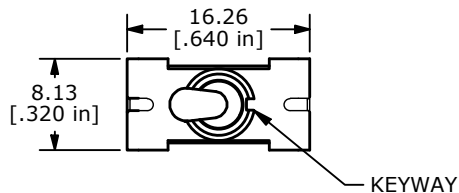
TERMINATION OPTIONS

M64 - SP HORIZONTAL RT. ANGLE PCB MOUNT (NOT AVAILABLE w/K1 OR K2 ACTUATOR)



VS21 - VS31 - SP VERTICAL PCB MOUNT (NOT AVAILABLE w/K1 OR K2 ACTUATOR)

OPTION CODE	DIM "A"
VS21	11.68 [0.460 in]
VS31	16.00 [0.630 in]



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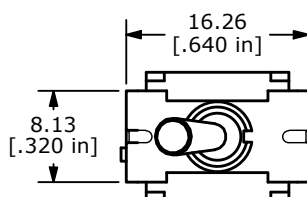
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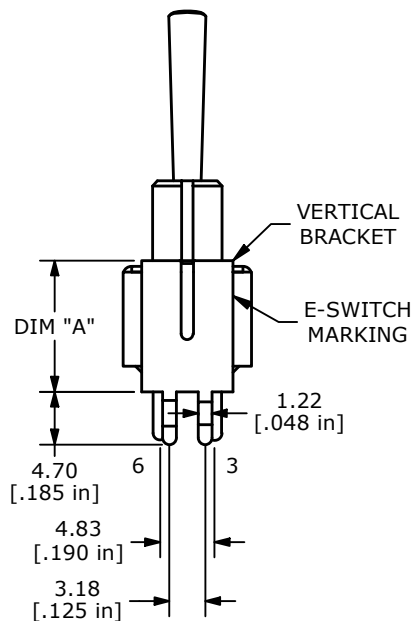
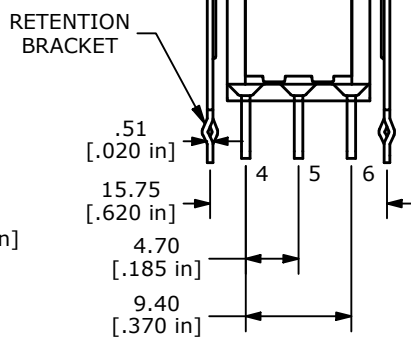
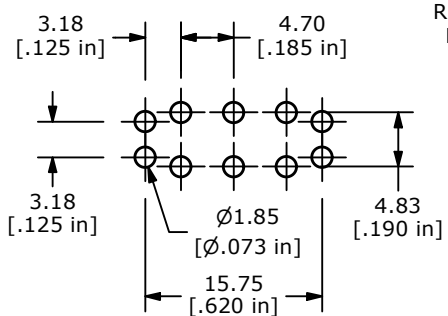
100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS



VS21 - VS31 - DP
VERTICAL PCB MOUNT
 (NOT AVAILABLE w/K1 OR K2 ACTUATOR)

OPTION CODE	DIM "A"
VS21	11.68 [0.460 in]
VS31	16.00 [0.630 in]



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 DIP SWITCHES
 KEYLOCK SWITCHES
 NAVIGATION SWITCHES
 PUSHBUTTON SWITCHES
 ROCKER SWITCHES
 ROTARY SWITCHES
 SLIDE SWITCHES
 SNAP ACTION SWITCHES
 TACTILE SWITCHES
 TOGGLE SWITCHES
 CAP OPTIONS