

100 SERIES TOGGLE SWITCH

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

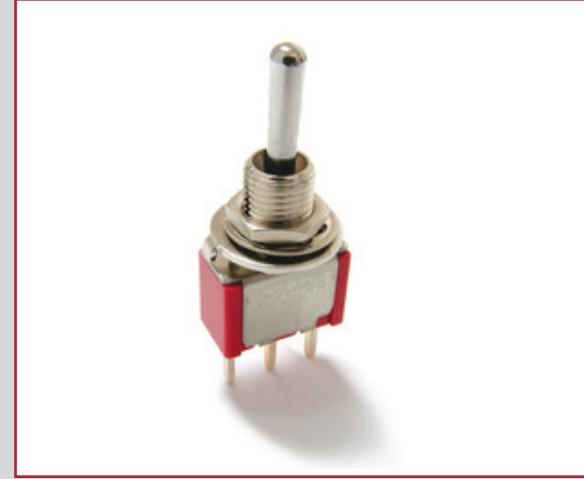
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

CAP
OPTIONS



APPLICATIONS / MARKETS



Floor Care Appliances



Commercial Appliances



Industrial Controls



Medical / Dental



HVAC



Vending Machines

RoHS

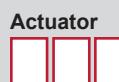
SPECIFICATIONS

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



() = 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
Subtract 0.51 [.020 in] for B6 Bushing
⁸ = B4 is standard for M6, M7, and VS Terminations
⁹ = VS2 and VS3 frame requires M2 Termination

NOTES:

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Specifications subject to change without notice 5.2.2024



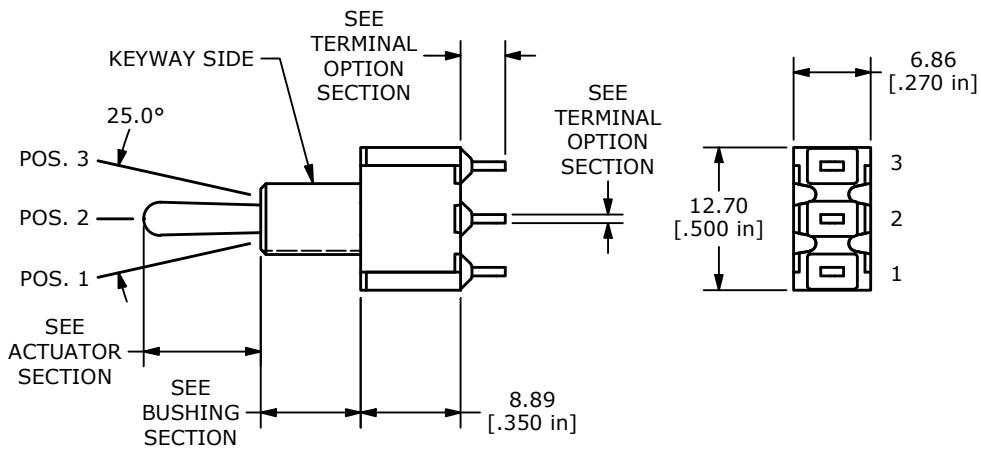
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FUNCTION OPTIONS

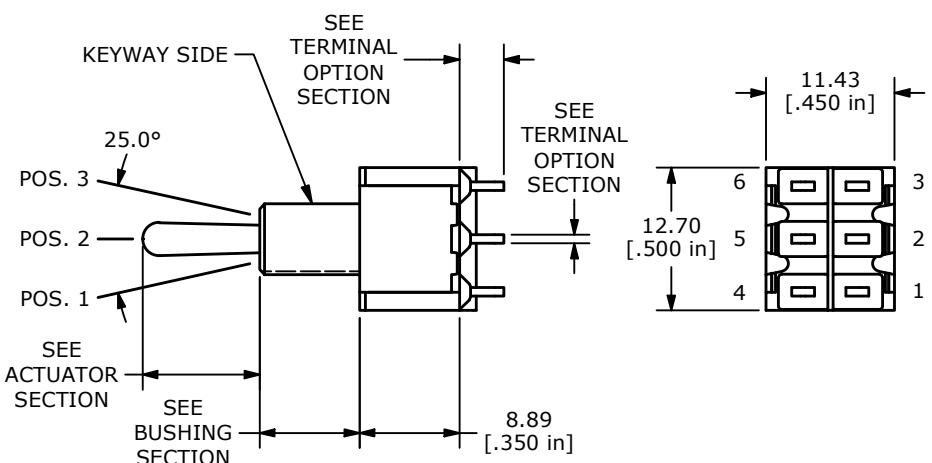
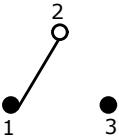


SINGLE POLE

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

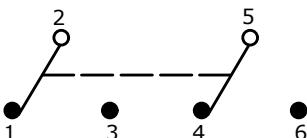


DOUBLE POLE

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

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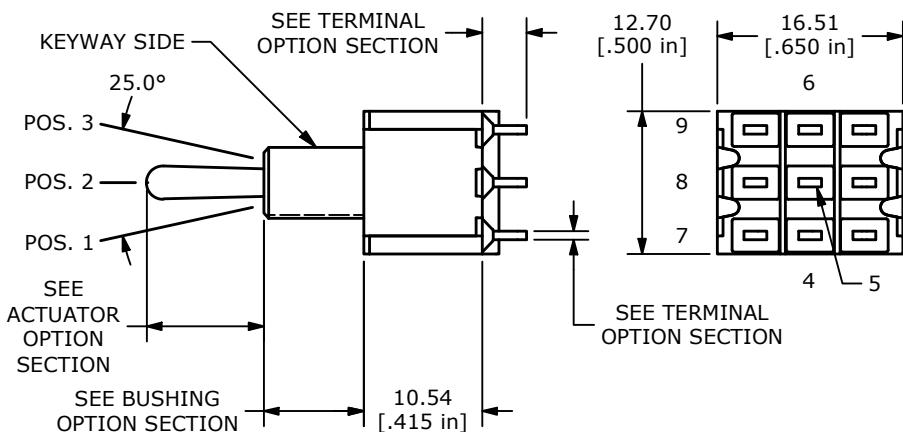
SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

CAP
OPTIONS

FUNCTION OPTIONS (CONTINUED)

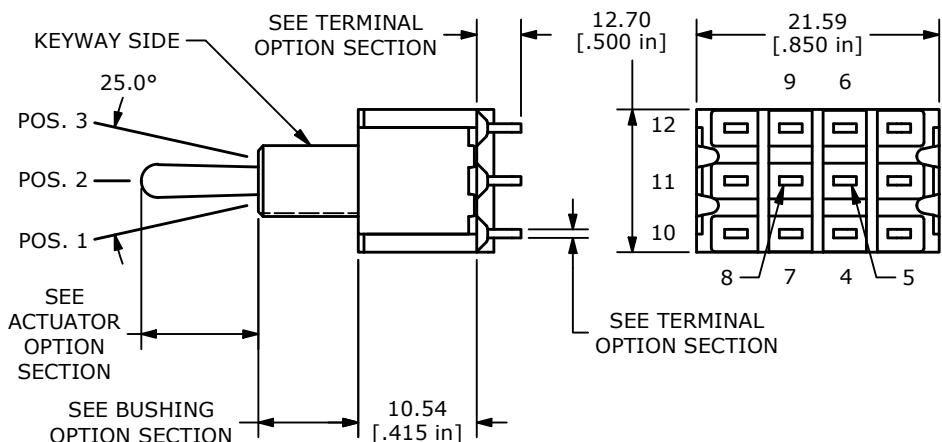
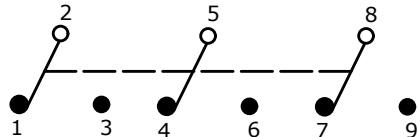


THREE POLE

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

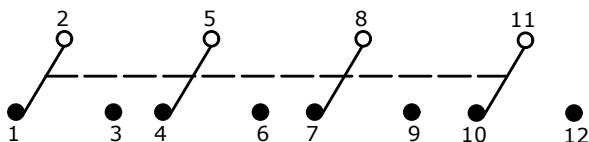


FOUR POLE

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



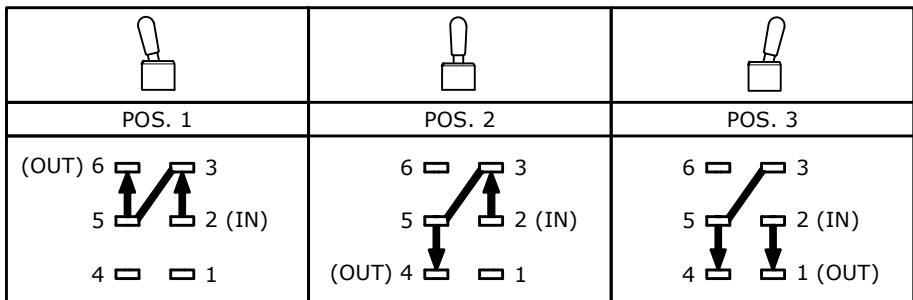
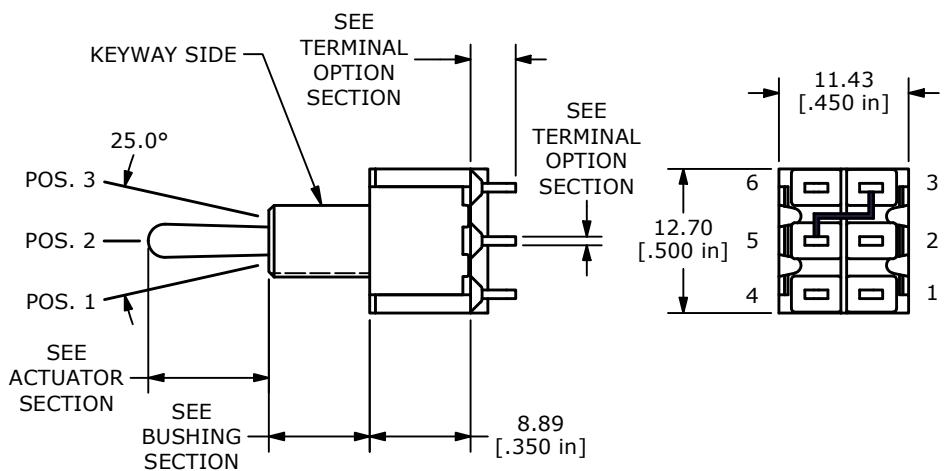
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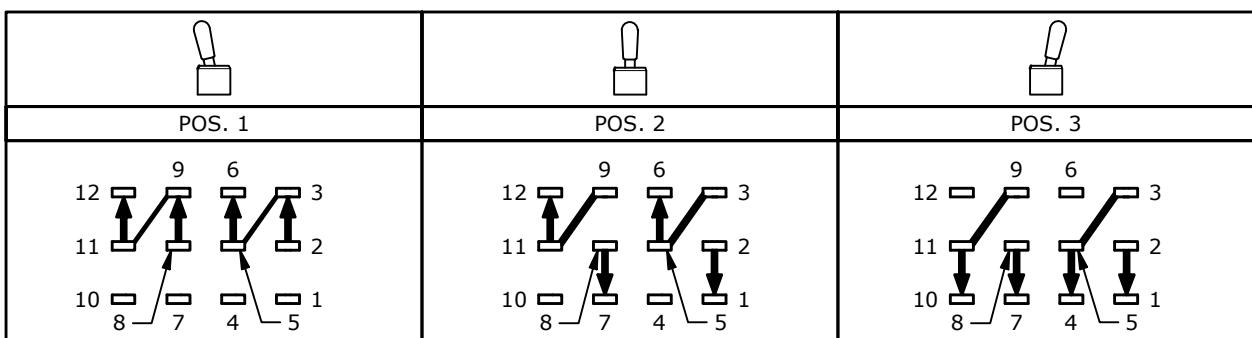
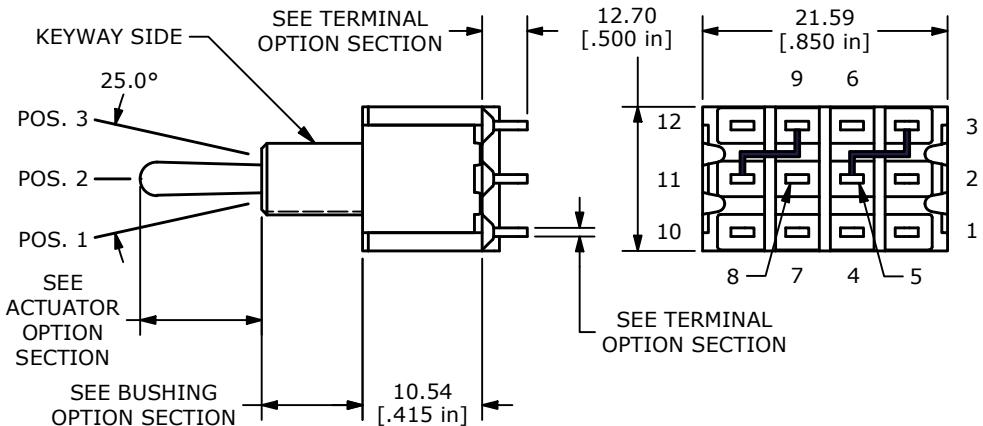
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3 - WAY WIRING DIAGRAM SCHEMATICS



BOTTOM VIEW FOR DP6, DP7, DP8



BOTTOM VIEW FOR 4P6, 4P7, 4P8



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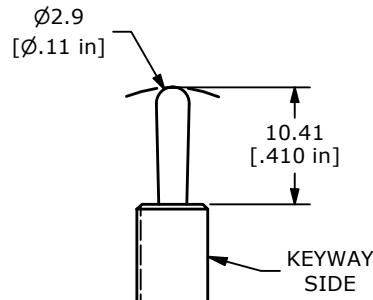
SNAP ACTION
SWITCHES

TACTILE
SWITCHES

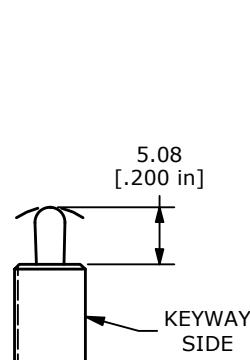
TOGGLE
SWITCHES

CAP
OPTIONS

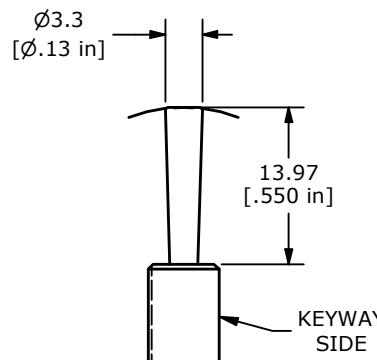
ACTUATOR OPTIONS



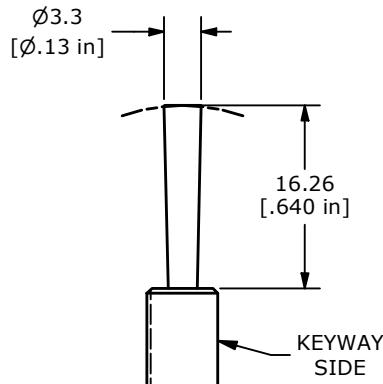
T1*



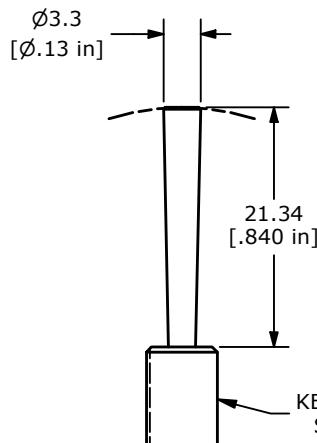
T2*



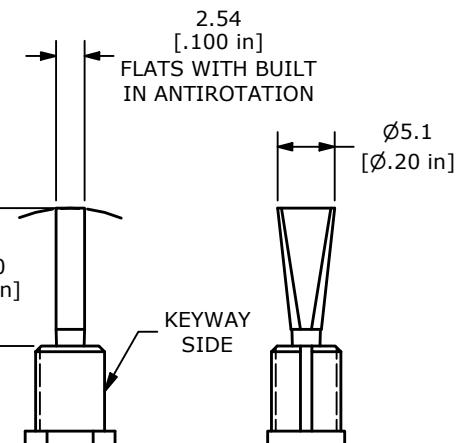
T3*



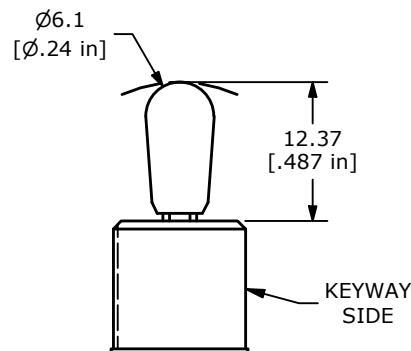
T4*



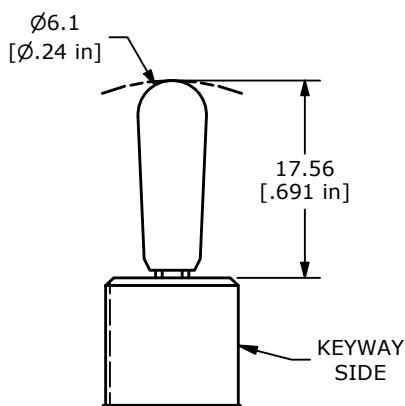
T5*
B3, B4 BUSHING
STANDARD



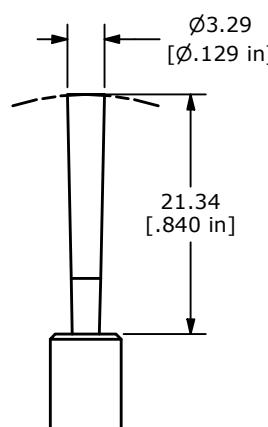
T6
USE WITH B11, B12,
B15, B16 ONLY



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



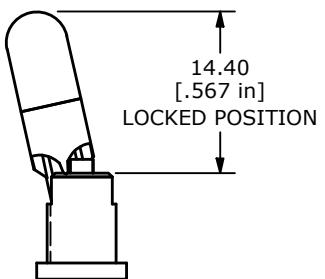
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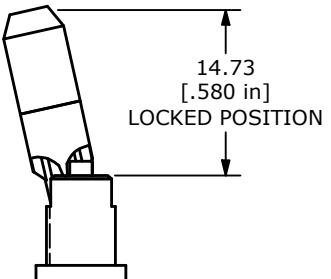
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ACTUATOR OPTIONS (CONTINUED)

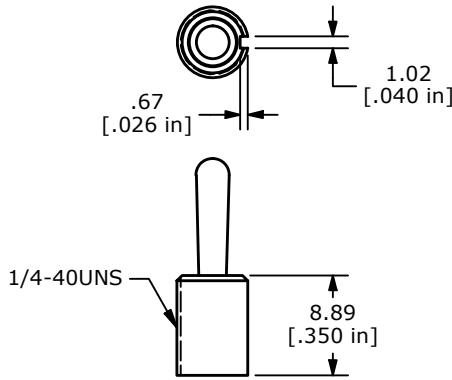


K1
B25, B26 ONLY

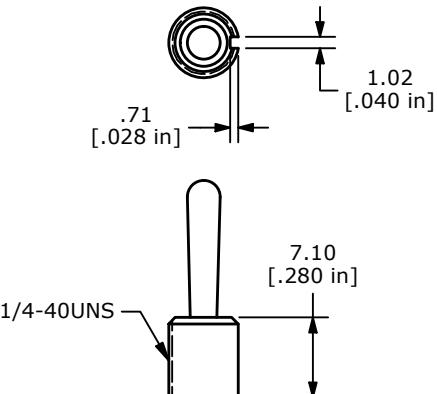


K2
B25, B26 ONLY

BUSHING OPTIONS

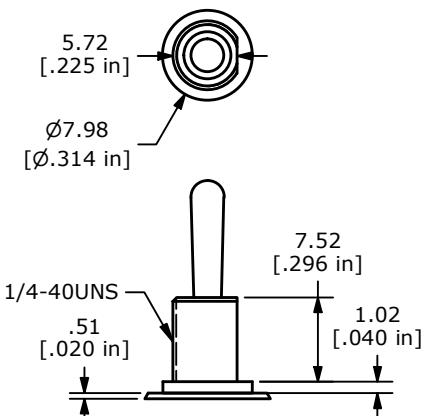


B1 - THD STD
B2 - NON-THD

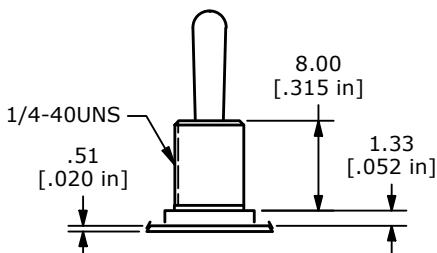
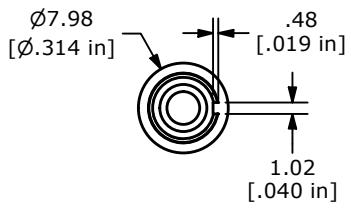


B3 - THD STD
B4 - NON-THD

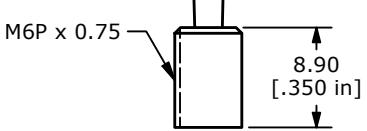
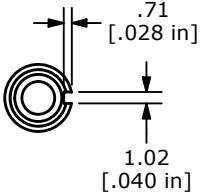
B4 - STD FOR M6, M7,
AND VS TERMINATIONS



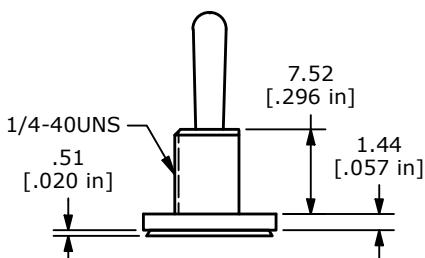
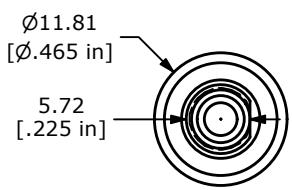
B5 - HIGH TORQUE



B6 - HIGH TORQUE



B8 - METRIC THD



B9 - SPLASH PROOF

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SNAP ACTION
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TACTILE
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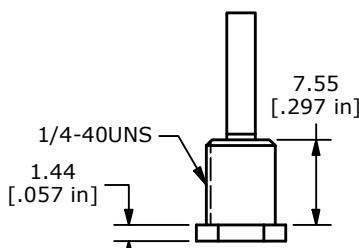
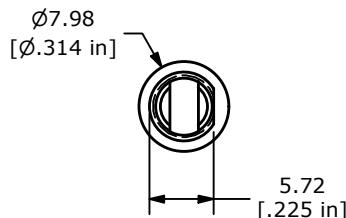
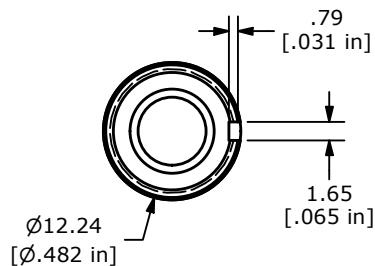
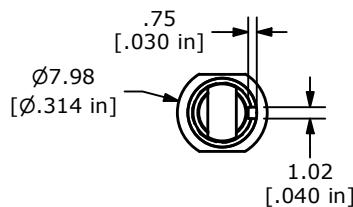
TOGGLE
SWITCHES

CAP
OPTIONS

100 SERIES TOGGLE SWITCH

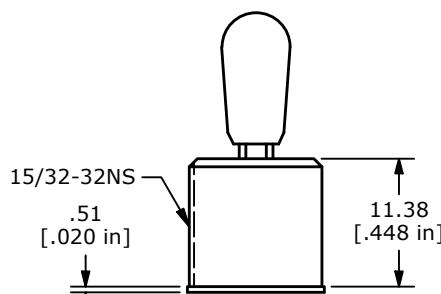
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SWITCHESTACTILE
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OPTIONS

BUSHING OPTIONS (CONTINUED)

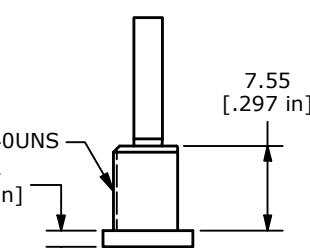


B11 - THD STD
B12 - NON-THD

T6
ACTUATOR ONLY



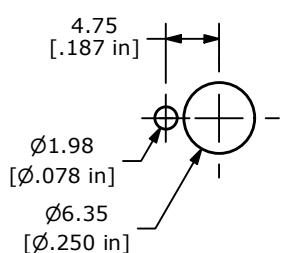
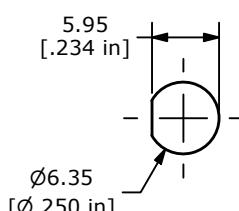
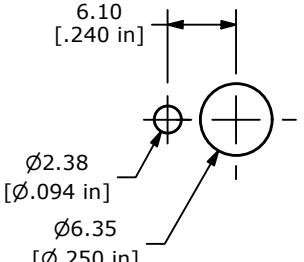
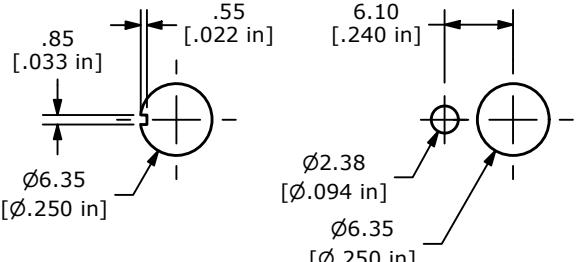
B13
T7, T8
ACTUATORS ONLY



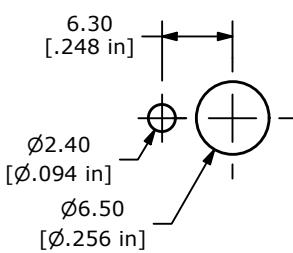
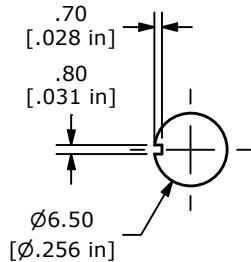
B15 - THD STD
B16 - NON-THD

T6
ACTUATOR ONLY

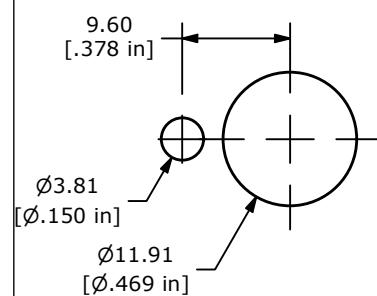
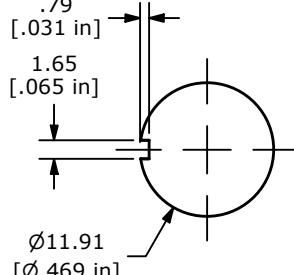
BUSHING OPTIONS PANEL MOUNTING



1/4 IN. BUSHING



METRIC BUSHING



15/32 IN. BUSHING



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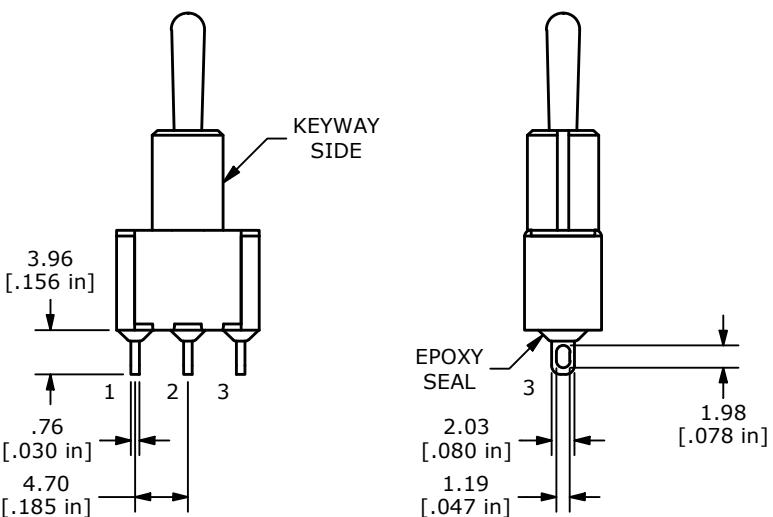
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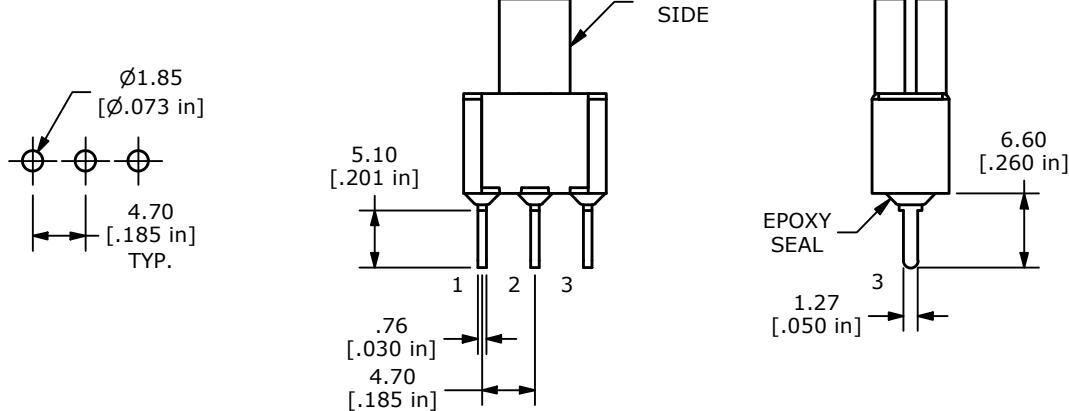
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TERMINATION OPTIONS

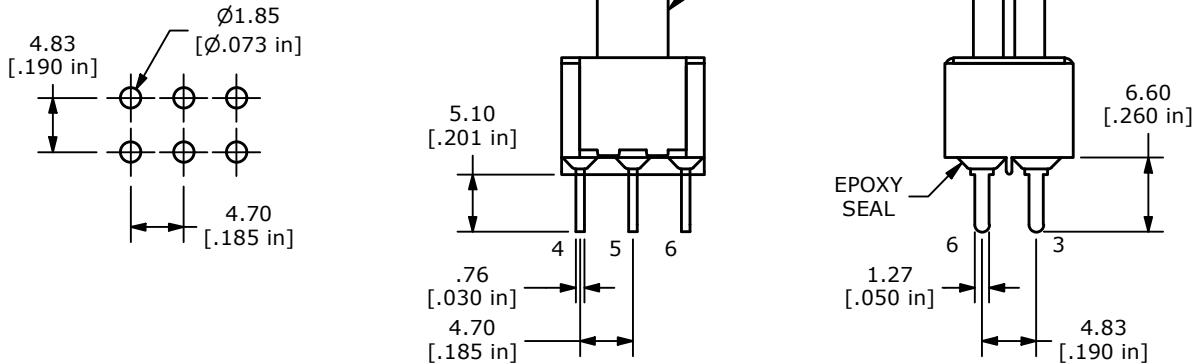
M1 - SOLDER LUG



M2 - SPDT PCB MOUNT



M2 - DPDT PCB MOUNT



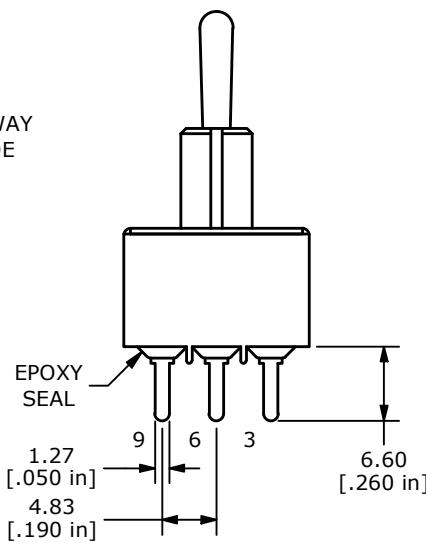
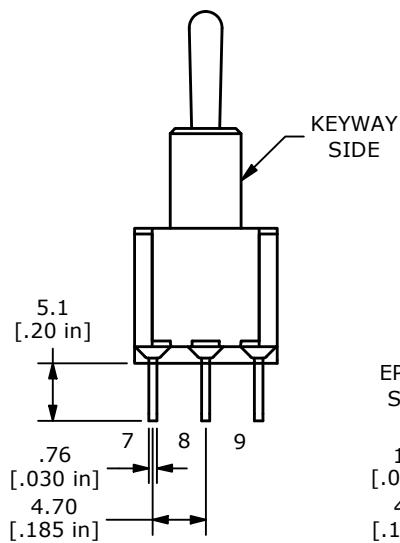
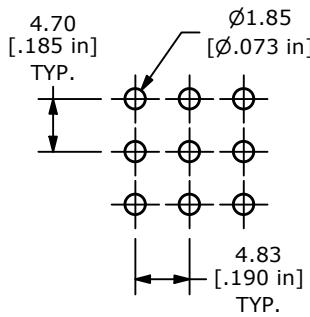
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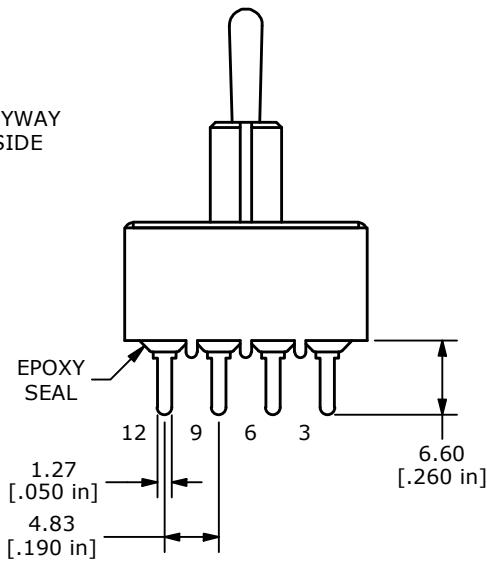
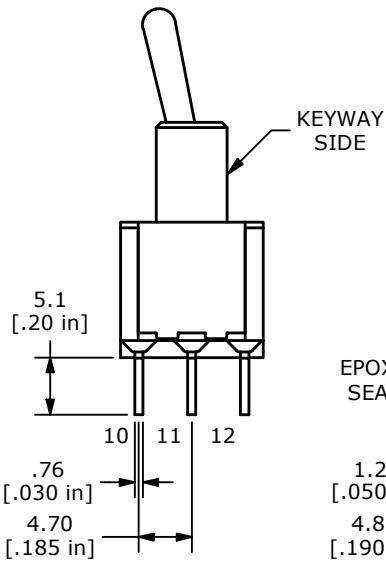
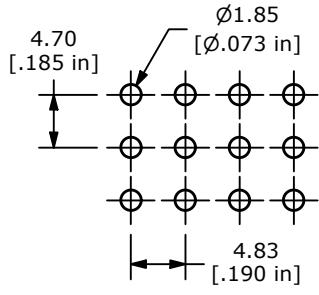
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TERMINATION OPTIONS

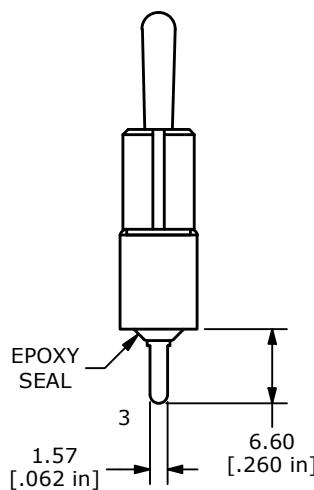
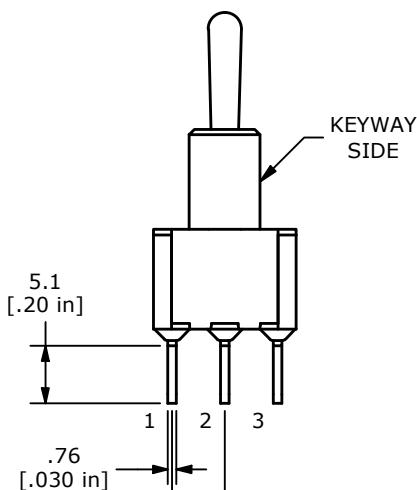
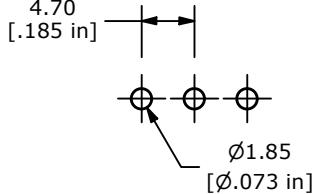
M2 - 3PDT PCB MOUNT



M2 - 4PDT PCB MOUNT



M3 - QUICK CONNECT

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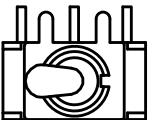
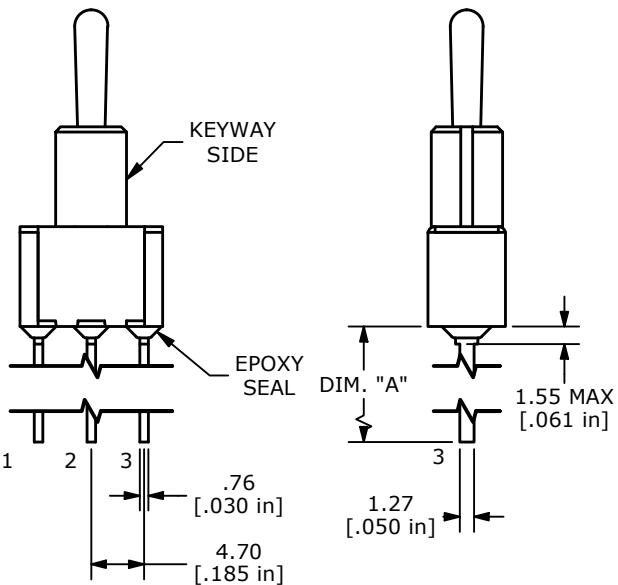
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100 SERIES TOGGLE SWITCH

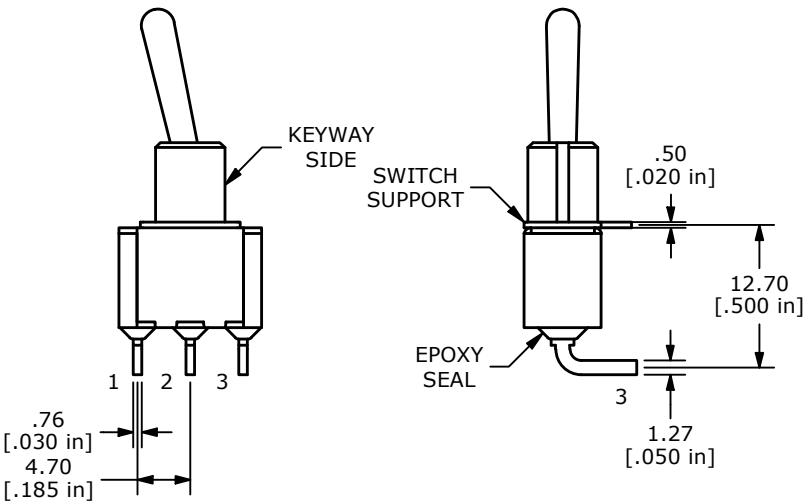
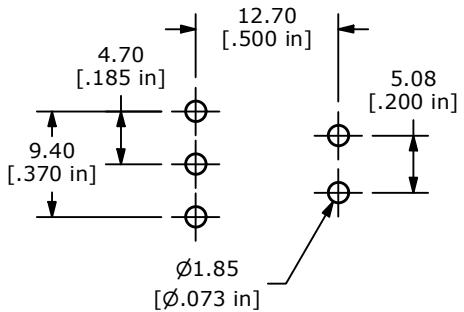
TERMINATION OPTIONS

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



E-SWITCH®

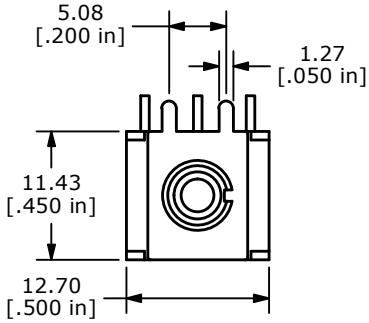
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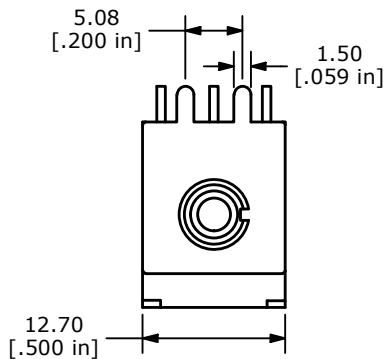
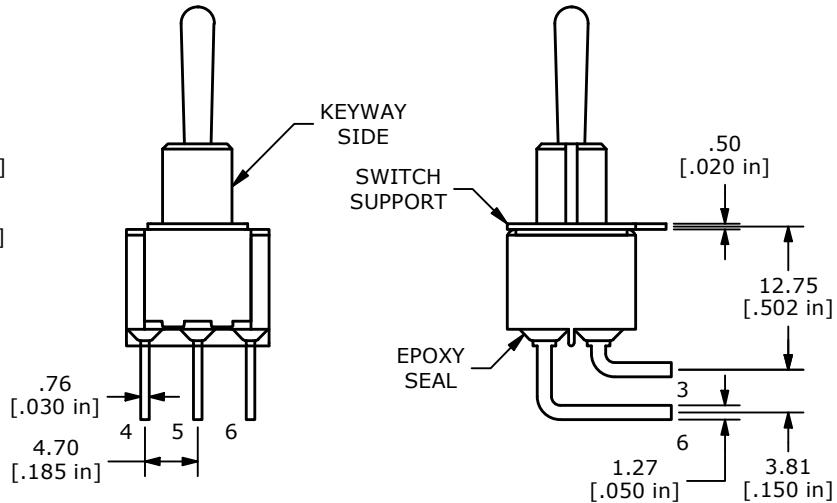
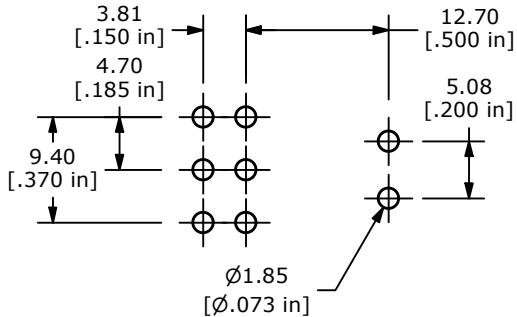
100 SERIES TOGGLE SWITCH

ANTI-VANDAL
SWITCHESDETECTOR
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESROCKER
SWITCHESROTARY
SWITCHESSLIDE
SWITCHESSNAP ACTION
SWITCHESTACTILE
SWITCHESTOGGLE
SWITCHESCAP
OPTIONS

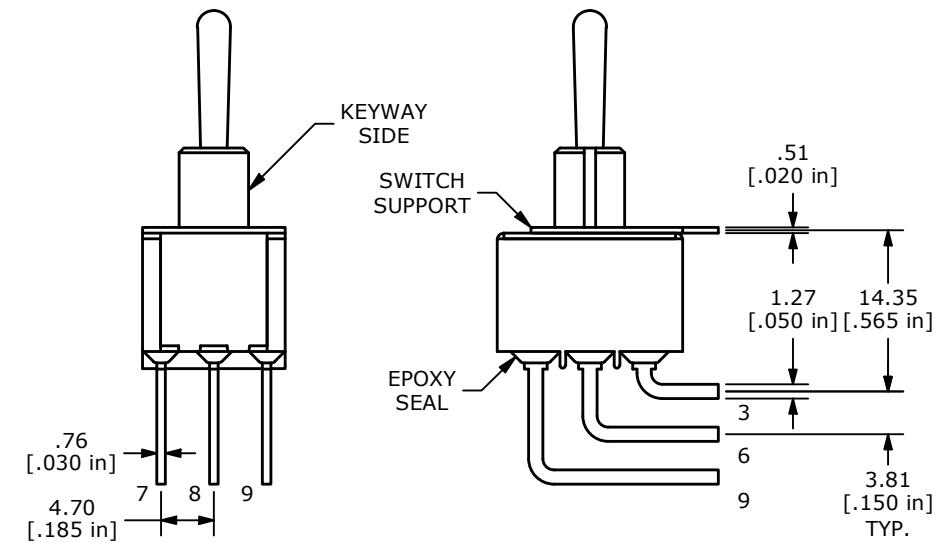
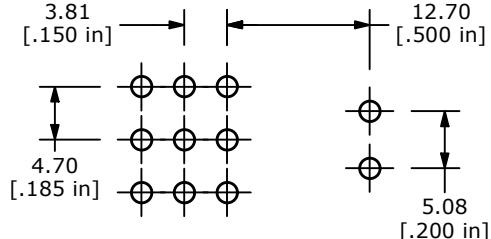
TERMINATION OPTIONS



M6 - DP
HORIZONTAL RIGHT
ANGLE PCB MOUNT



M6 - 3P
HORIZONTAL RIGHT
ANGLE PCB MOUNT



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100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

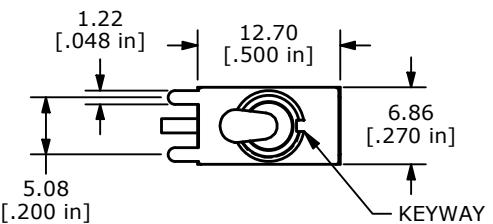
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

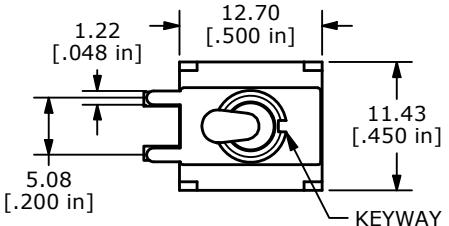
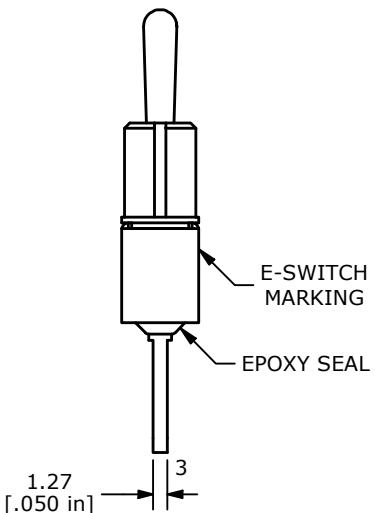
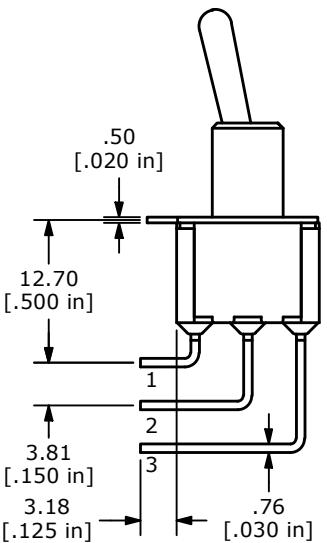
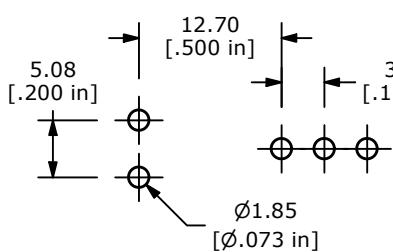
TACTILE
SWITCHES

TOGGLE
SWITCHES

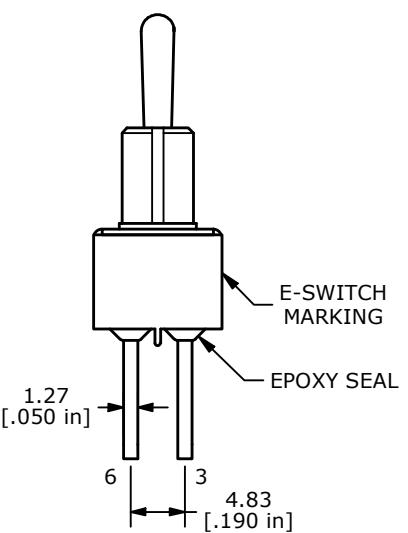
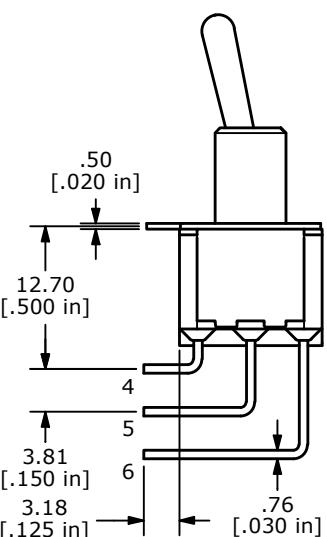
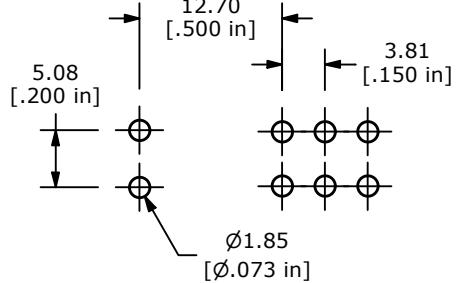
CAP
OPTIONS



M7 - SP
VERTICAL RIGHT
ANGLE PCB MOUNT



M7 - DP
VERTICAL RIGHT
ANGLE PCB MOUNT



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100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

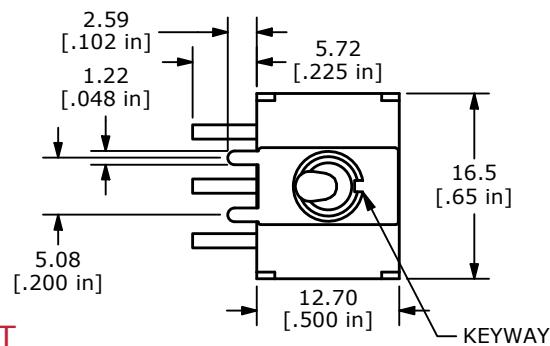
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

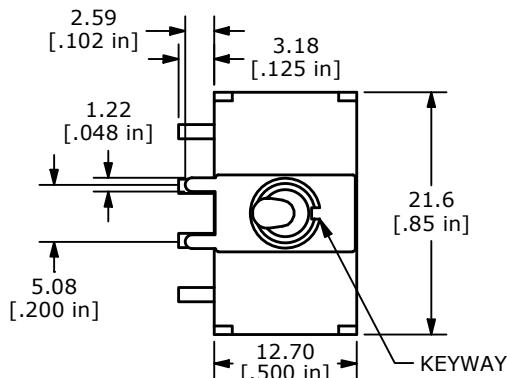
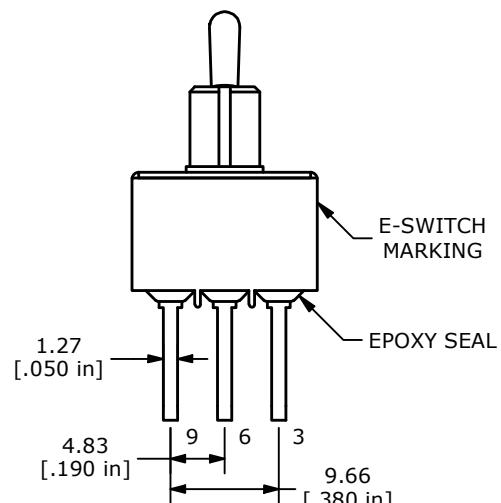
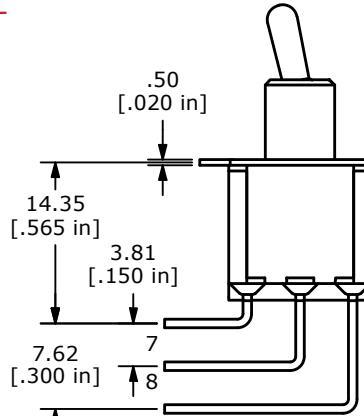
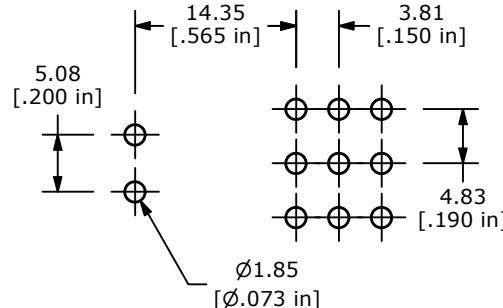
TACTILE
SWITCHES

TOGGLE
SWITCHES

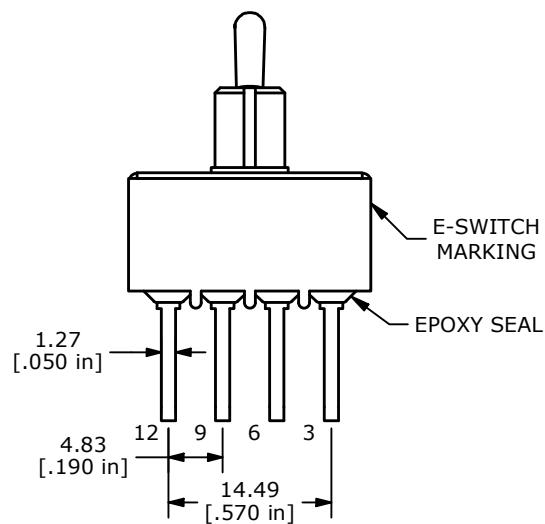
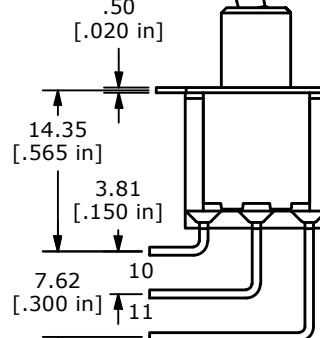
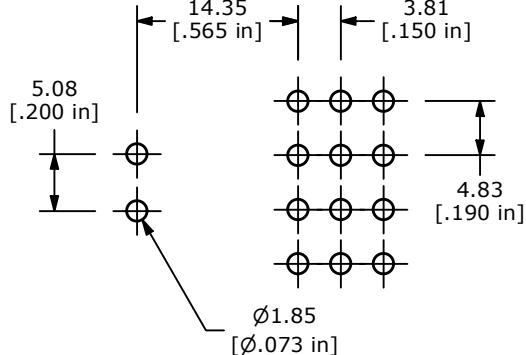
CAP
OPTIONS



M7 - 3P
VERTICAL RIGHT
ANGLE PCB MOUNT



M7 - 4P
VERTICAL RIGHT
ANGLE PCB MOUNT



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100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

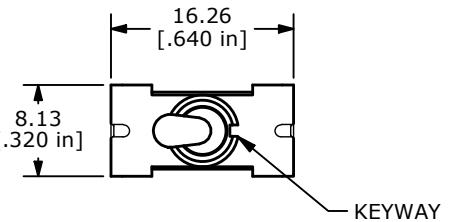
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

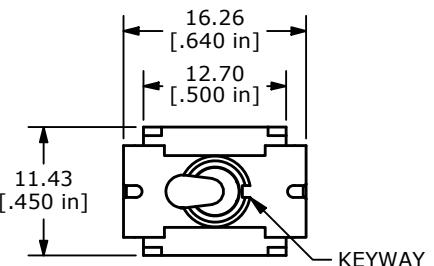
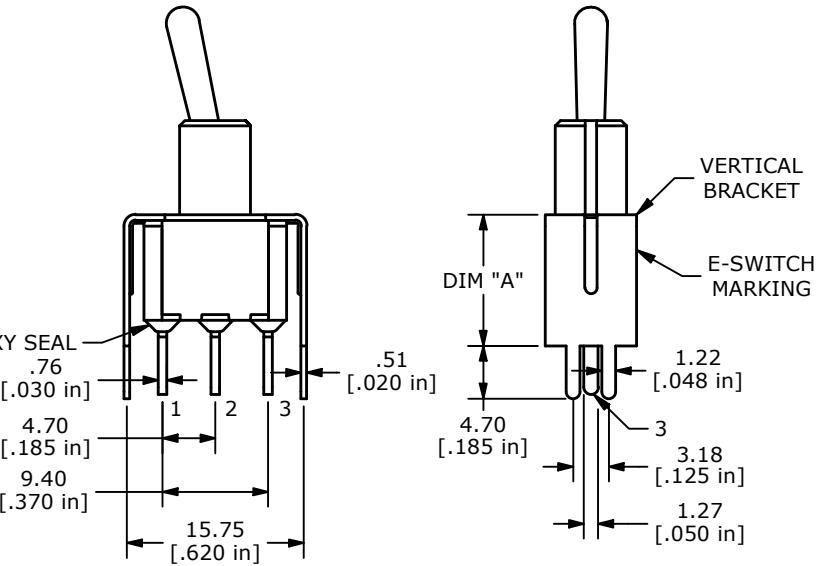
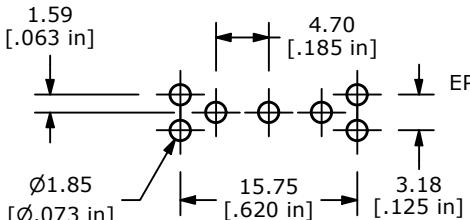
TOGGLE
SWITCHES

CAP
OPTIONS



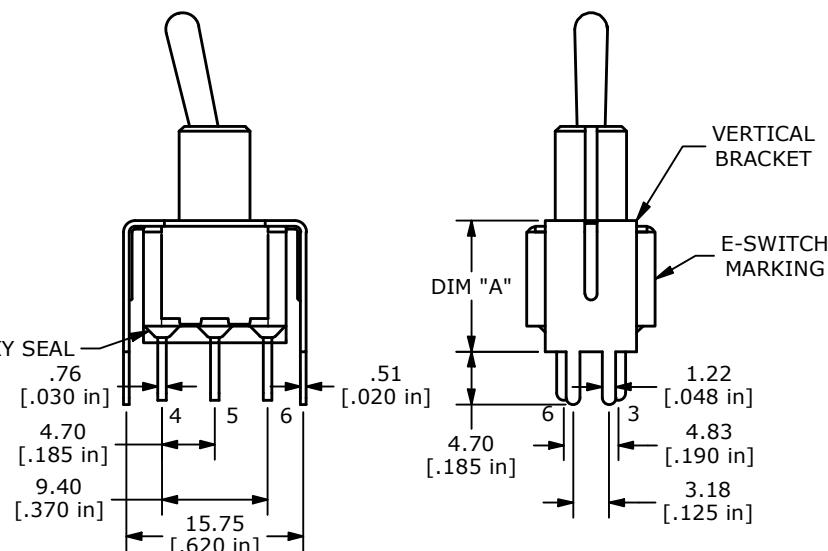
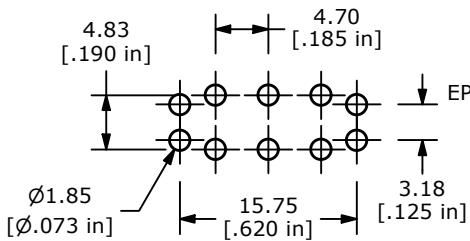
VS2 - VS3 - SP
VERTICAL BRACKET
PCB MOUNT
(REQUIRES M2 TERMINATION)

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]



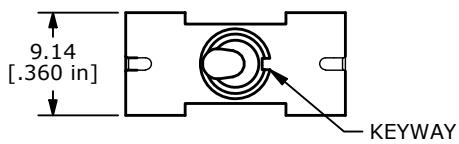
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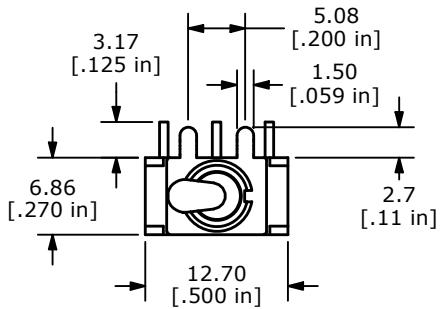
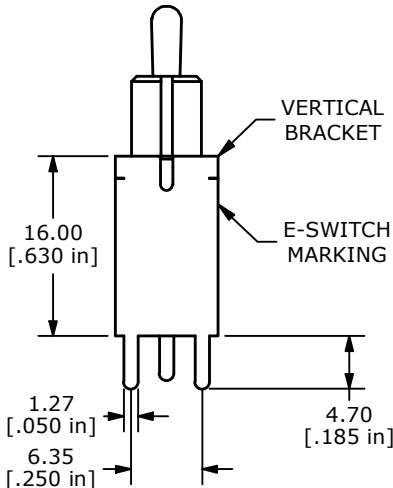
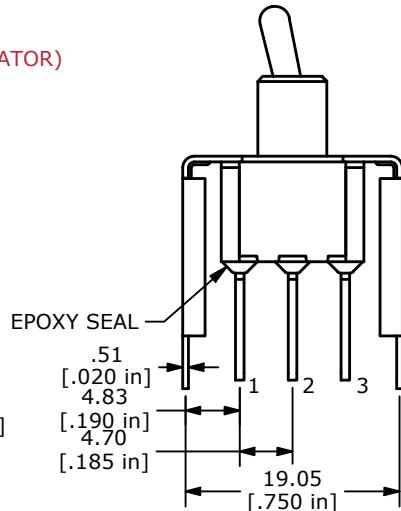
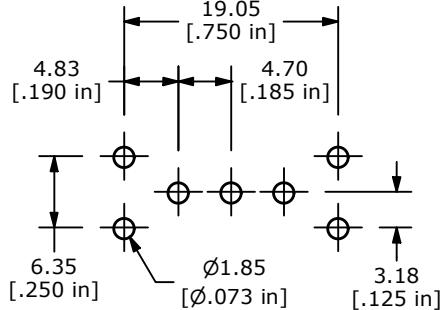
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100 SERIES TOGGLE SWITCH

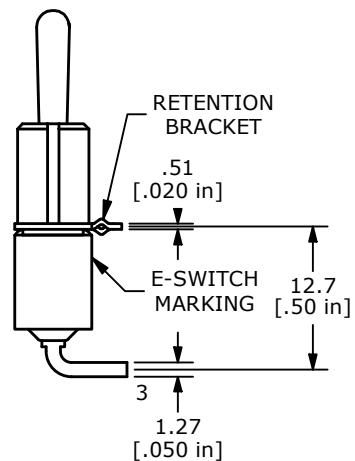
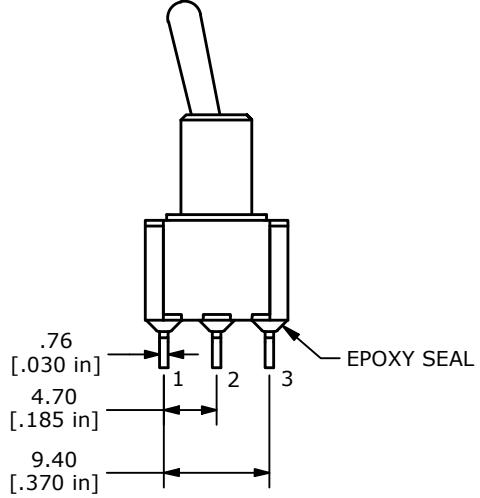
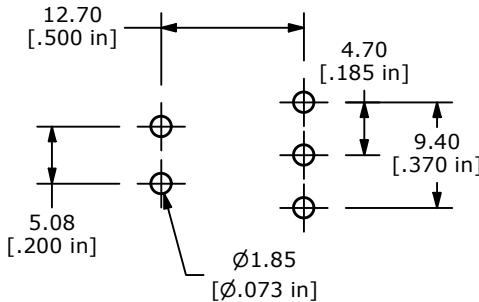
TERMINATION OPTIONS

ANTI-VANDAL
SWITCHESDETECTOR
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESROCKER
SWITCHESROTARY
SWITCHESSLIDE
SWITCHESSNAP ACTION
SWITCHESTACTILE
SWITCHESTOGGLE
SWITCHESCAP
OPTIONS

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



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



100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

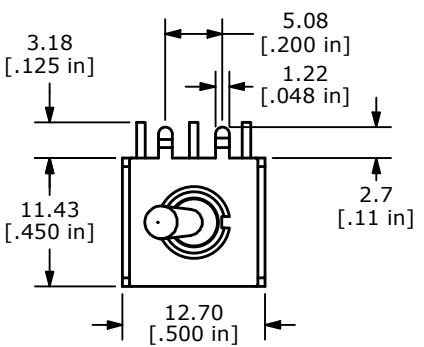
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

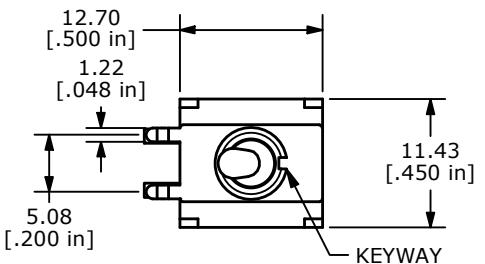
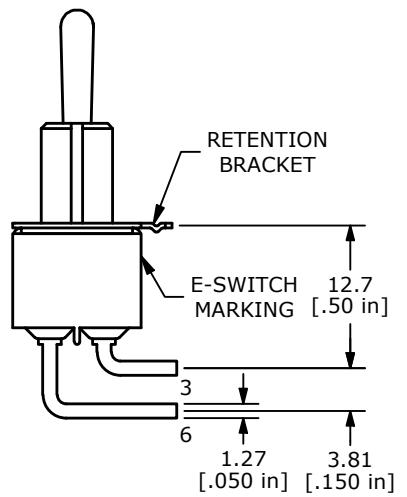
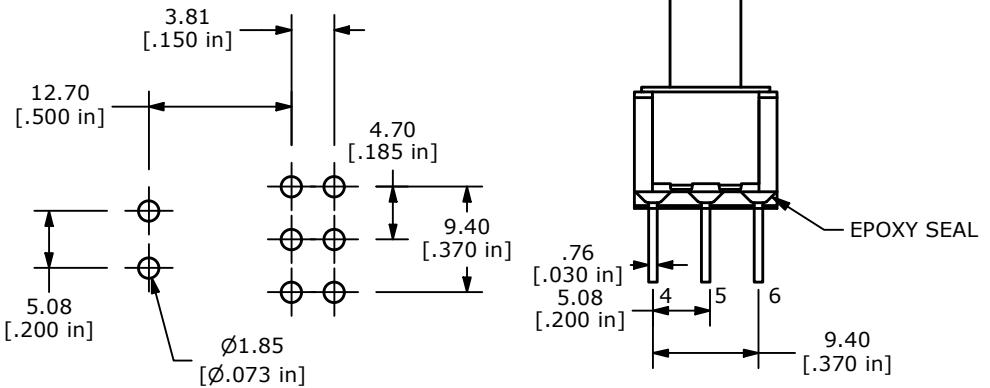
TACTILE
SWITCHES

TOGGLE
SWITCHES

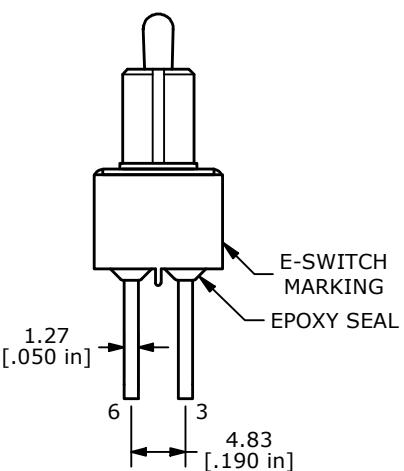
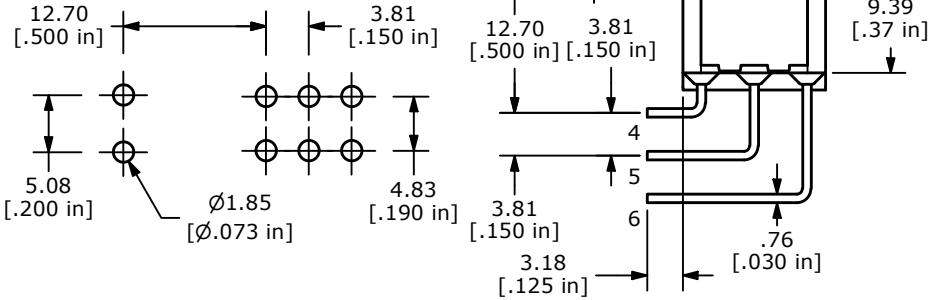
CAP
OPTIONS



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

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

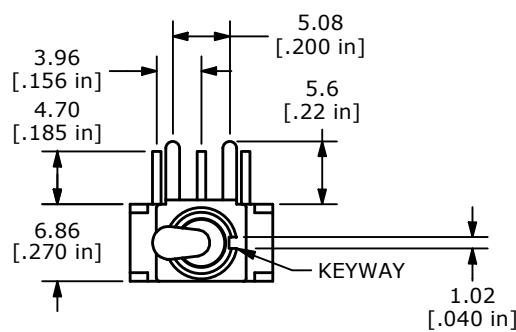
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

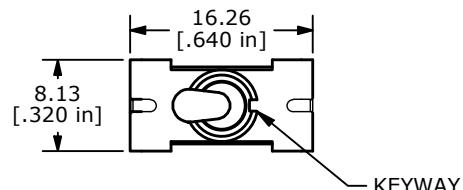
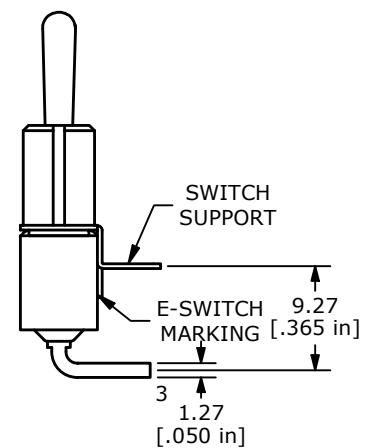
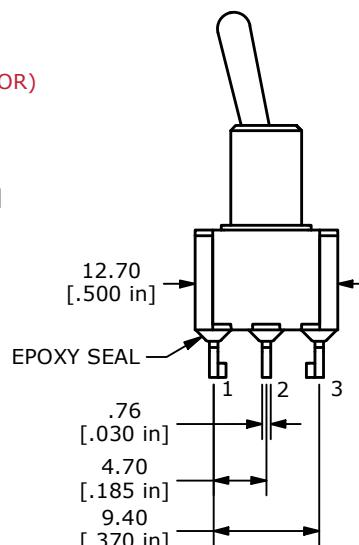
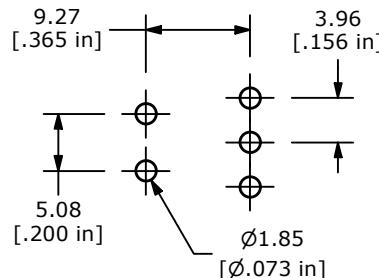
TACTILE
SWITCHES

TOGGLE
SWITCHES

CAP
OPTIONS

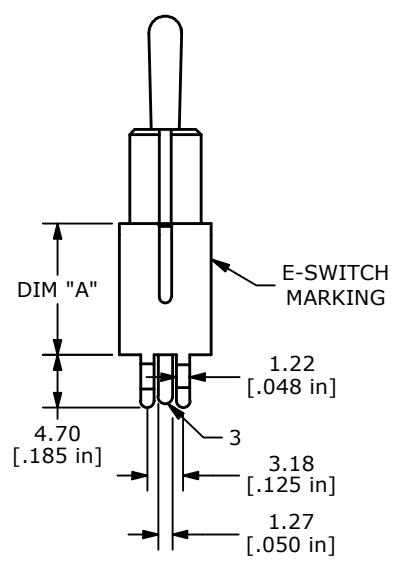
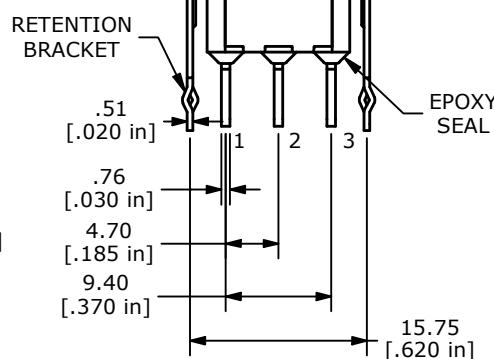
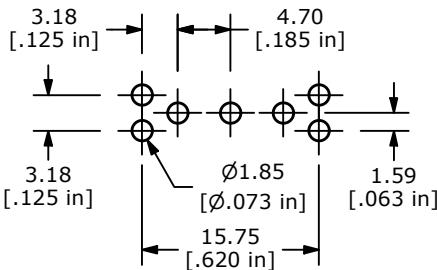


M64 - SP
HORIZONTAL RT.
ANGLE PCB MOUNT
(NOT AVAILABLE w/K1 OR K2 ACTUATOR)



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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100 SERIES TOGGLE SWITCH

TERMINATION OPTIONS

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

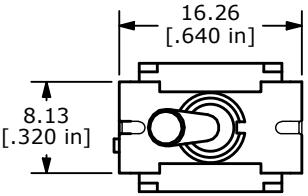
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

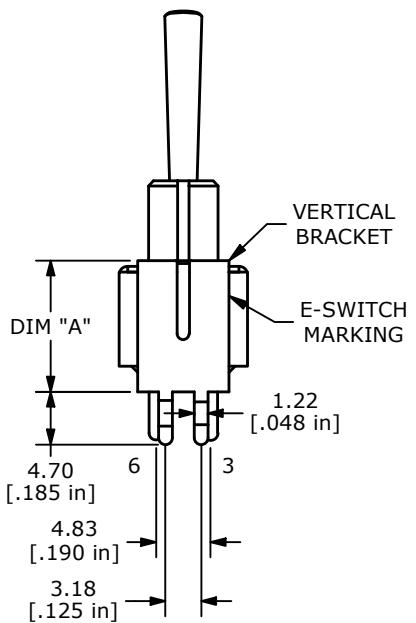
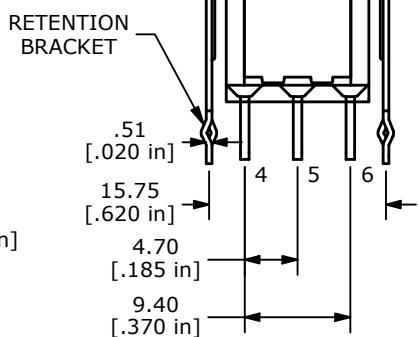
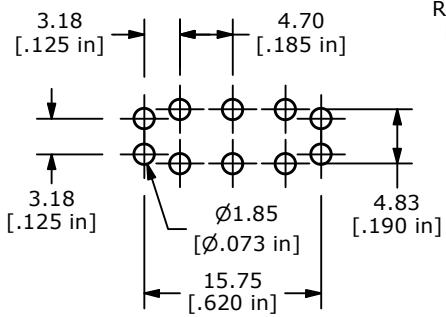
CAP
OPTIONS



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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