

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

FEATURES & BENEFITS

- Up to 5,000,000 cycle life expectancy
- Tape and Reel packaging
- IP67 ratings
- Multiple force options

PART NUMBER CONFIGURATOR

Specifications subject to change without notice 2.9.2021



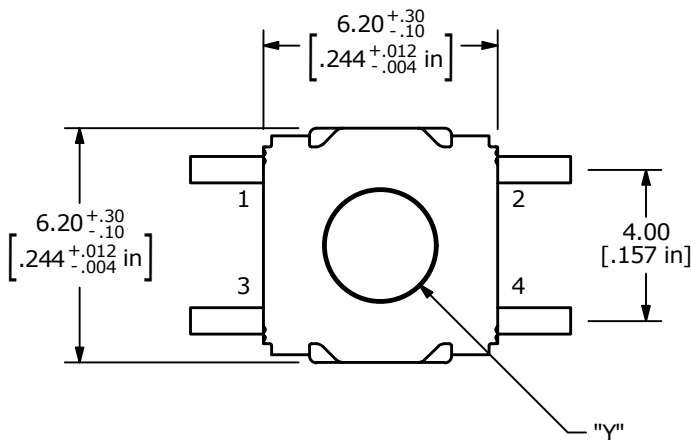
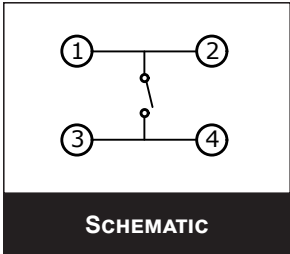
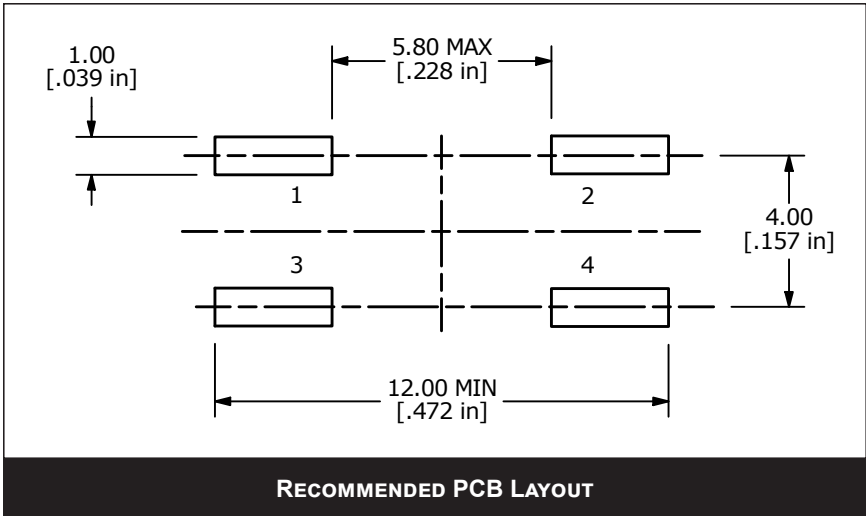
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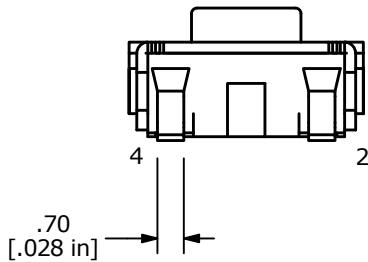
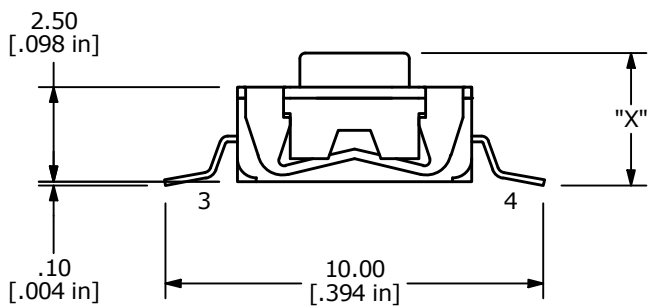
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TL6150 SERIES TACT SWITCH

BODY DIMENSIONS GULL WING

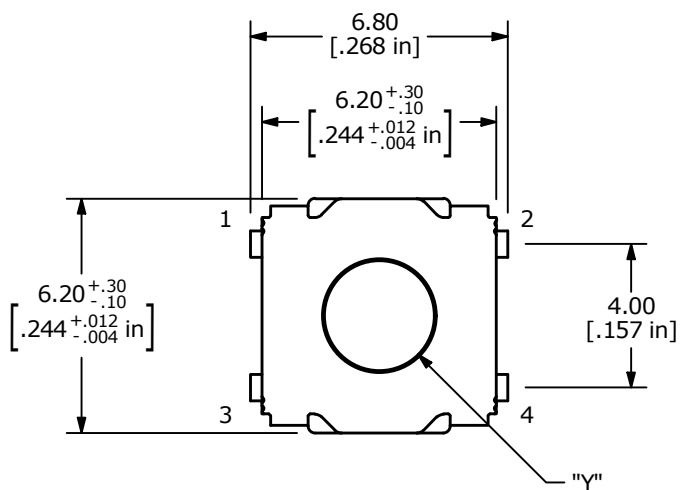
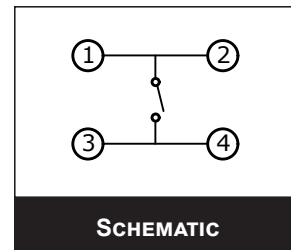
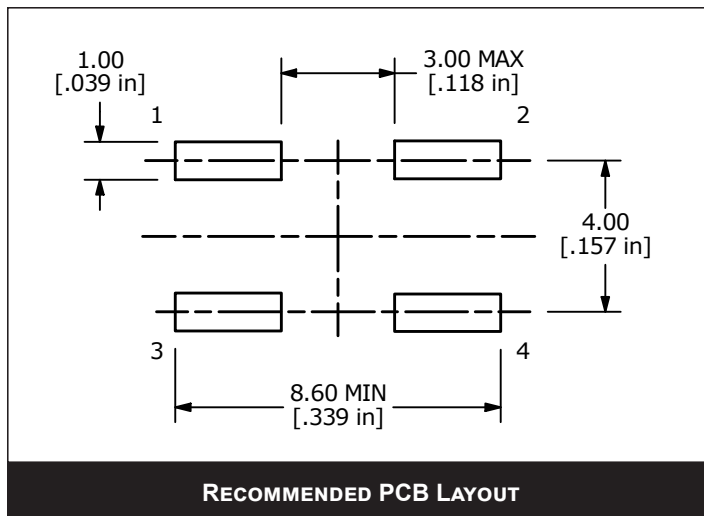


ACTUATOR	"X"	"Y"
A	3.50	2.90
B	5.20	2.70

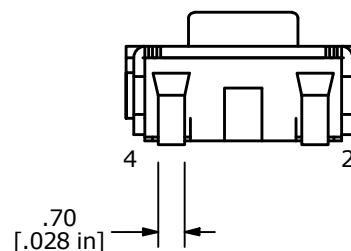
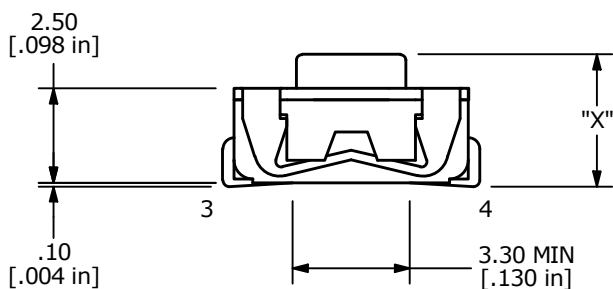


TL6150 SERIES TACT SWITCH

BODY DIMENSIONS J LEAD

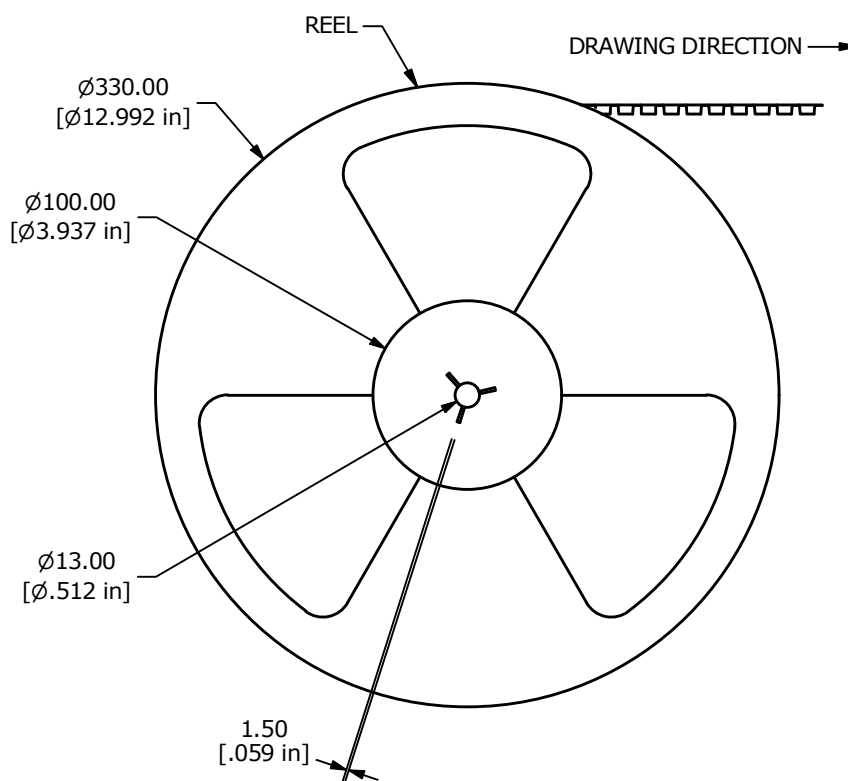
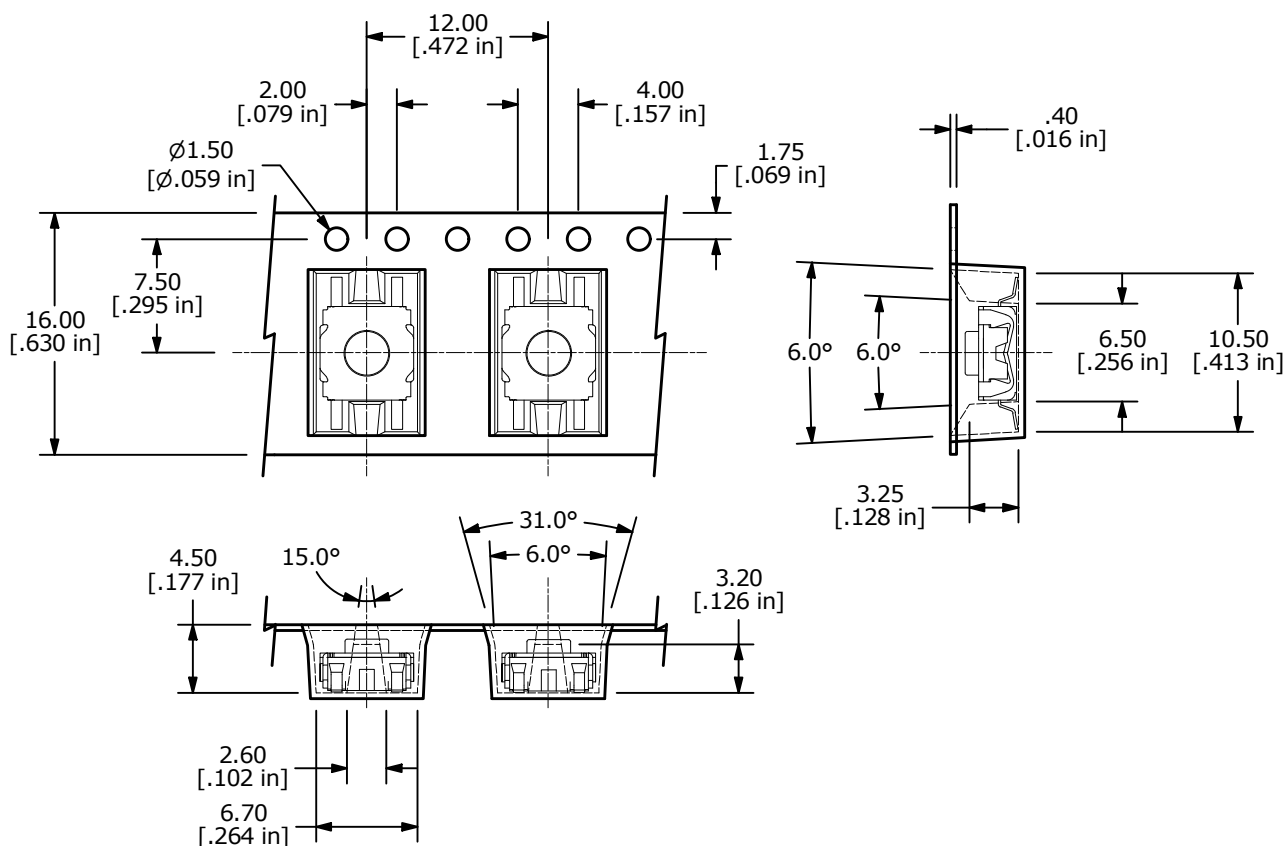


ACTUATOR	"X"	"Y"
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TL6150 SERIES TACT SWITCH

BODY DIMENSIONS TAPE AND REEL



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

RECOMMENDED SOLDER PROCESS

Most contamination problems can be prevented by exercising care during the cleaning and soldering process. Care should be taken not to immerse or spray unsealed switches during flux removal. Contact E-Switch for specific soldering recommendations and specifications not shown. Generalized soldering procedures are outlined below.

“TYPICAL” SMT REFLOW (Pb and Pb-Free)

Profile Feature	Sn-Pb Eutectic Assembly	Pb-Free Assembly
Average Ramp-Up Rate ($T_{s_{max}}$ to T_p)	3 °C/second max.	3 °C/second max.
Preheat		
-Temperature Min ($T_{s_{min}}$)	100 °C	150 °C
-Temperature Max ($T_{s_{max}}$)	150 °C	200 °C
-Time ($t_{s_{min}}$ to $t_{s_{max}}$)	60-120 seconds	60-180 seconds
Time Maintained above:		
-Temperature (T_L)	183 °C	217 °C
-Time (t_L)	60-150 seconds	60-150 seconds
Time within 5 °C of actual Peak Temperature (t_p)	10-30 seconds	20-40 seconds
Ramp-Down Rate	6 °C/second max.	6 °C/second max.
Time 25 °C to Peak Temperature	6 minutes max.	8 minutes max.

Note 1: All temperatures refer to topside of the package, measured on the package surface.

