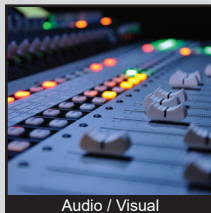


TL3275 SERIES TACT SWITCH

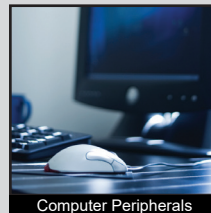
ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS



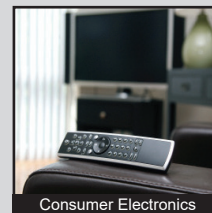
APPLICATIONS / MARKETS



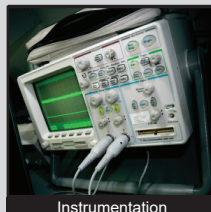
Audio / Visual



Computer Peripherals



Consumer Electronics



Instrumentation



Medical Equipment



Telecommunication

RoHS

SPECIFICATIONS

Electrical Rating: 50mA, 12VDC
Contact Resistance: 500mΩ Max. (Initial)
Insulation Resistance: 100MΩ Min. at 100VDC
Dielectric Strength: 250VAC for 1 Minute
Operating Temperature: -40°C to 85°C
Operating Force: 160gf ± 50gf 100,000 cycles
Travel: 0.20mm ± 0.10mm
Function: SPST, Off-(On)
Bounce: 10msec Max.
Contact Material: Silver or Gold
Packaging: Actuator A: Tape and Reel, 1,400 pcs/reel

FEATURES & BENEFITS

- Up to 100,000 cycle life expectancy
- Tape and Reel packaging
- Surface mount design
- Multiple LED options
- Contact material options

PART NUMBER CONFIGURATOR

Series	Circuit	Actuator	Operating Force	LED Option	Contact Material
TL	3275	A - 3.90	F160 - 160 gf ± 50 gf	N - No LED	Q - Silver
				B - Blue	R - Gold
				G - Green	
				R - Red	
				Y - Yellow	
				W - White	
				BG - Blue/Green Bi-color	
				BR - Blue/Red Bi-color	
				BY - Blue/Yellow Bi-color	
				BW - Blue/White Bi-color	
				GR - Green/Red Bi-color	
				GY - Green/Yellow Bi-color	
				GW - Green/White Bi-color	
				RY - Red/Yellow Bi-color	
				RW - Red/White Bi-color	
				YW - Yellow/White Bi-color	

Specifications subject to change without notice 6.16.2022



E-SWITCH®

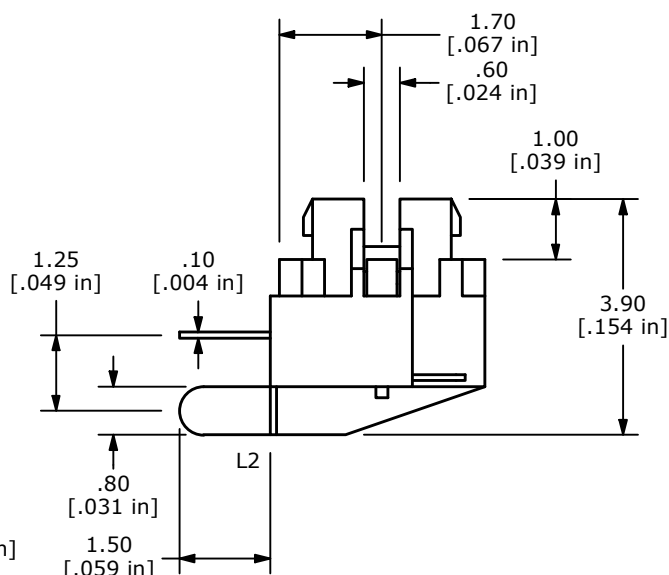
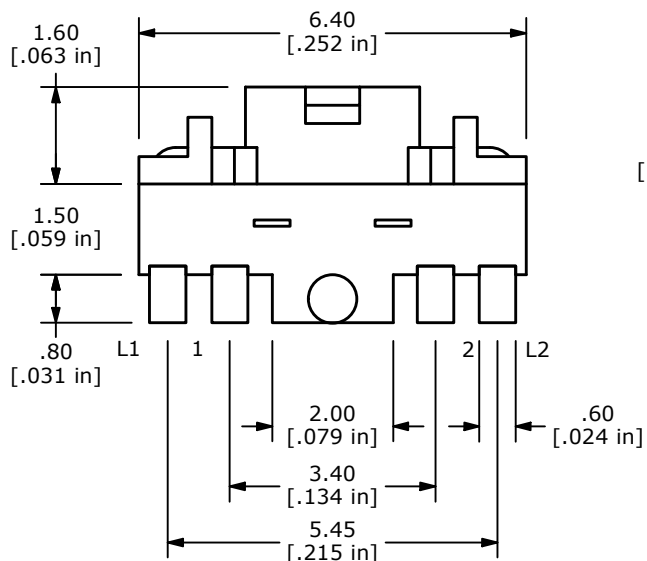
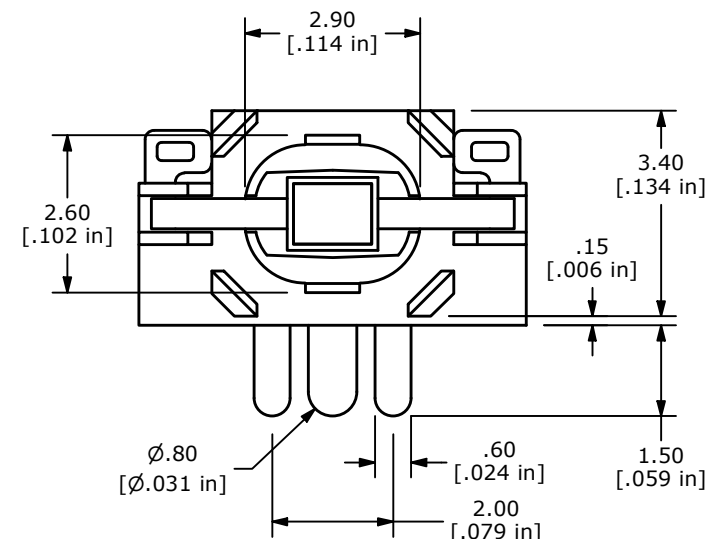
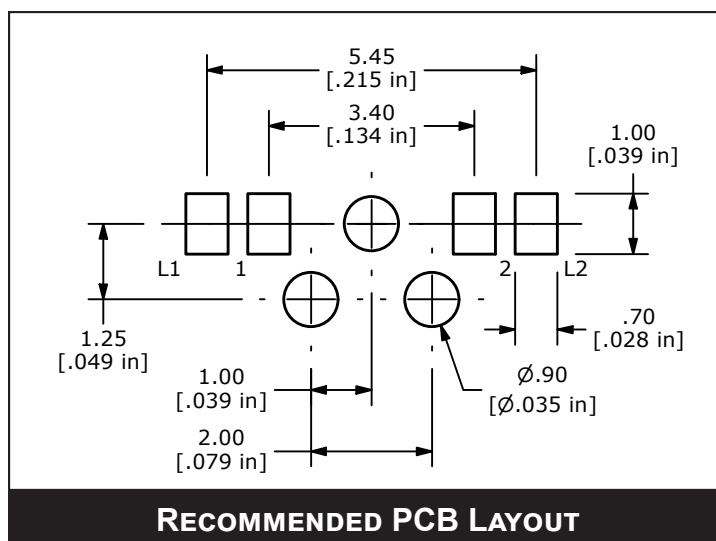
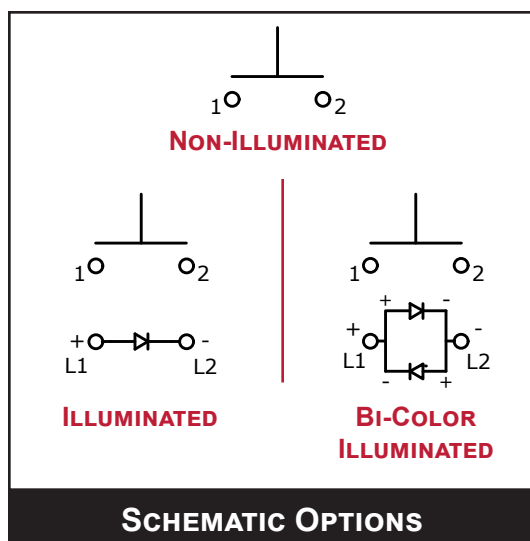
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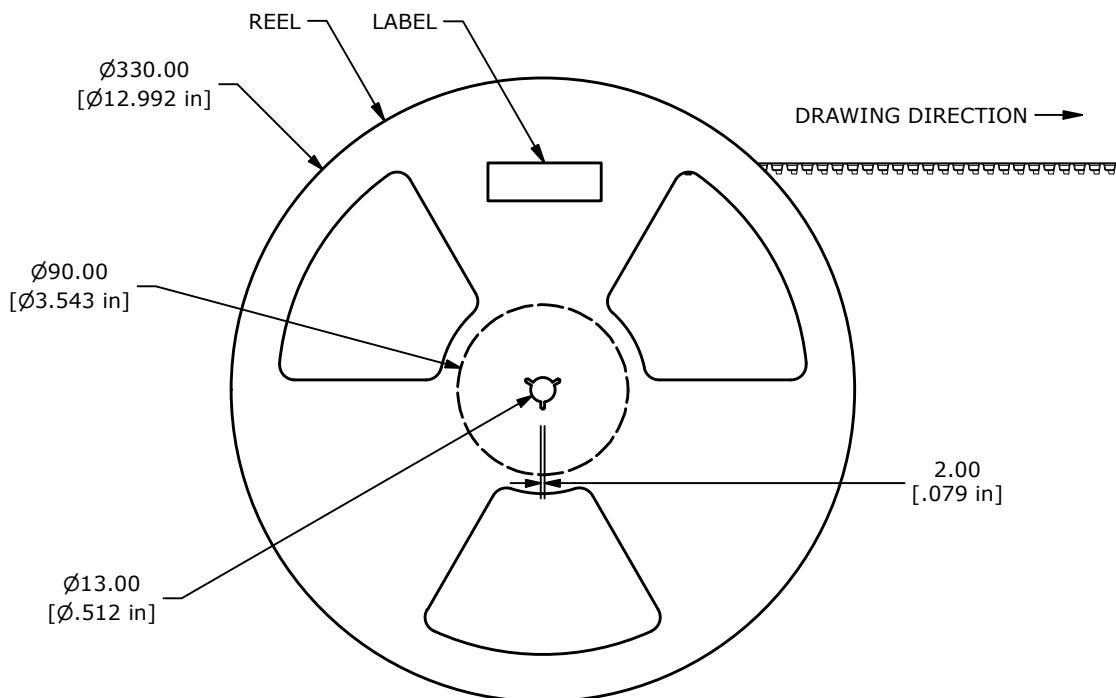
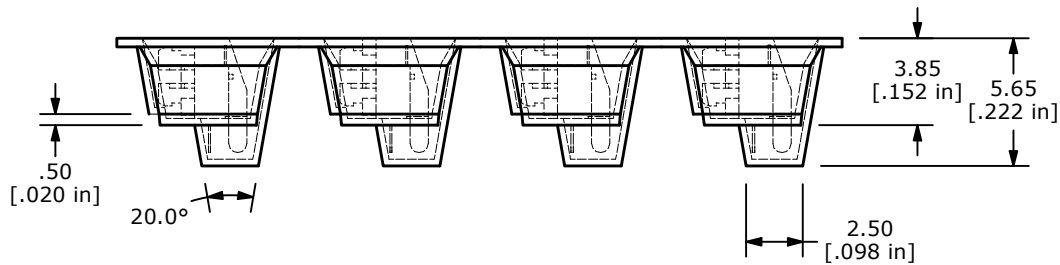
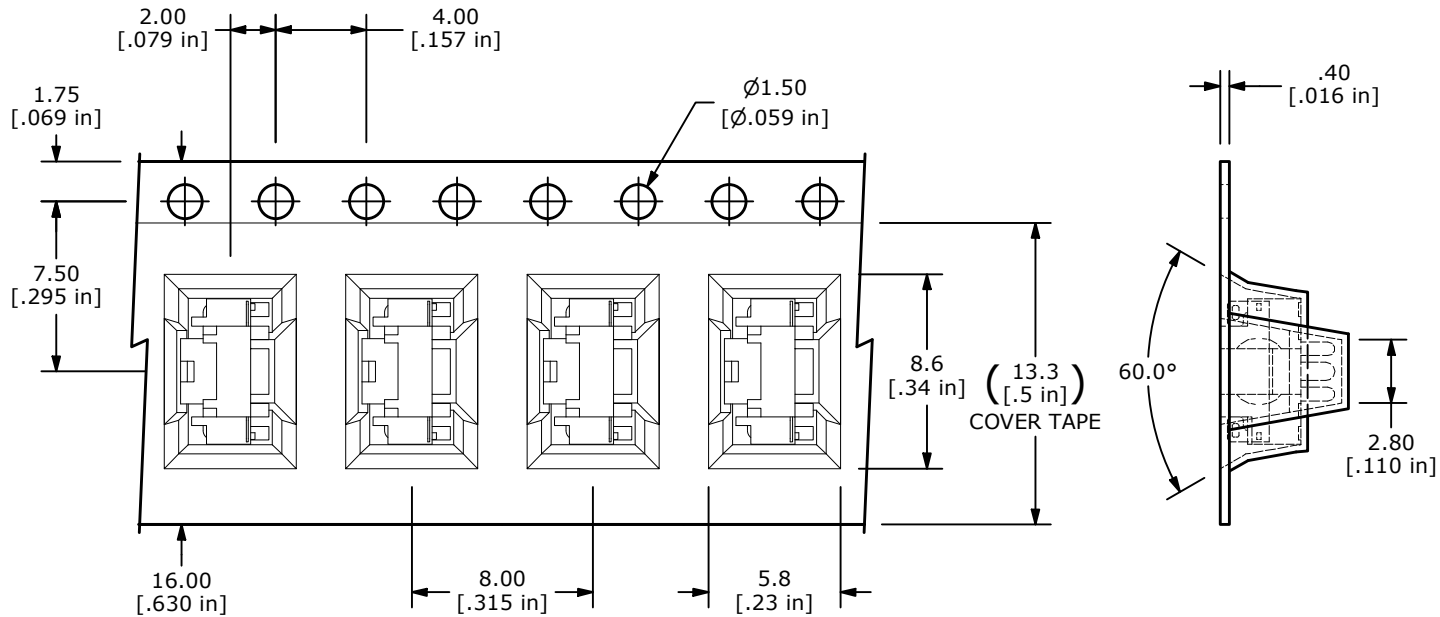
TL3275 SERIES TACT SWITCH

BODY DIMENSIONS



TL3275 SERIES TACT SWITCH

BODY DIMENSIONS TAPE AND REEL



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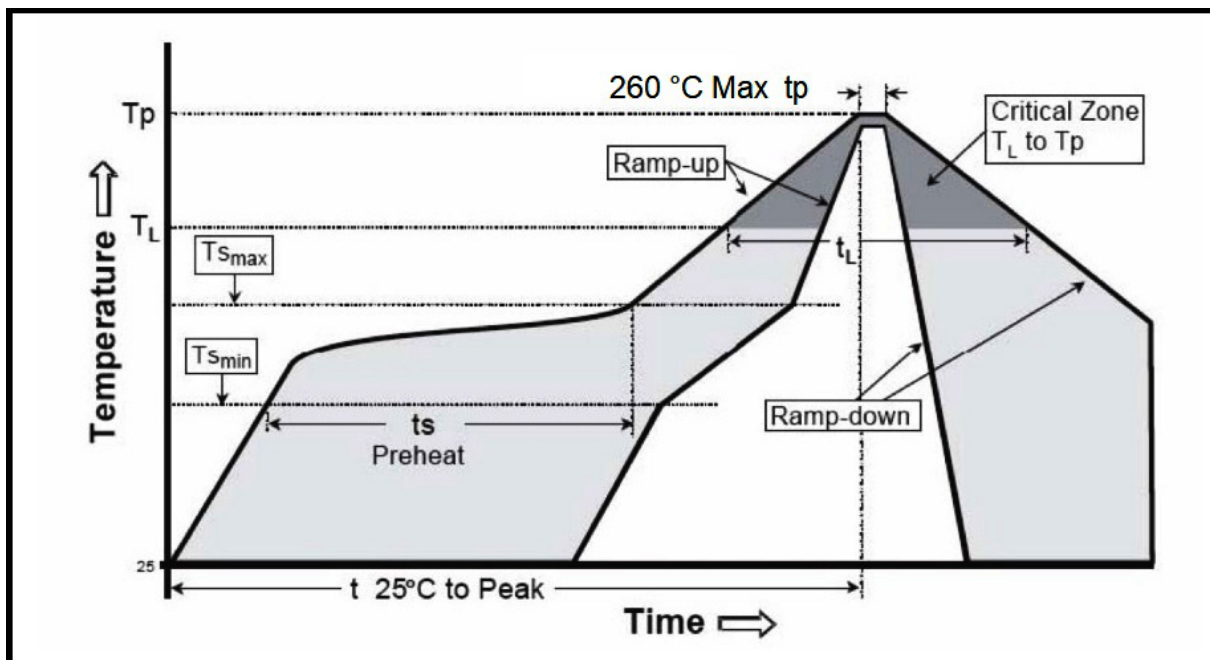
RECOMMENDED SOLDER PROCESS

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.



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