

# TD1260 SERIES DETECTOR SWITCH



## SPECIFICATIONS

**Contact Rating:** 1mA @ 5VDC MAX.  
**Contact Resistance:** 3Ω Max.  
**Insulation Resistance:** 100MΩ Min. at 100VDC  
**Dielectric Strength:** 100VAC for 1 minute  
**Travel:** 2.50mm  
**Operating/Storage Temperature:** -25°C to 55°C  
**Operating Life:** 50,000 Cycles  
**Operating Force:** 35gf Max.  
**Contact Arrangement:** SPST

## FEATURES & BENEFITS

**Compact size**  
**Surface mount design**  
**SPST contact arrangement**  
**Sharp detection feeling**  
**J-Lead terminals**

## PART NUMBER CONFIGURATOR

### Series



TD1260

### Bosses



B - With Bosses

### Circuit



G - Normally Open  
 H - Normally Closed

### Contact Material



Q - Silver Plated

### Terminals

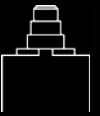


J - J-Lead (Bent)

### Packaging

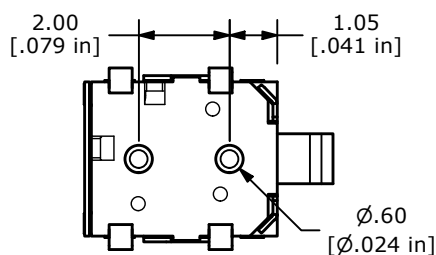
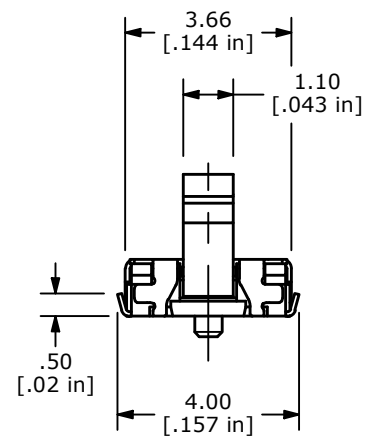
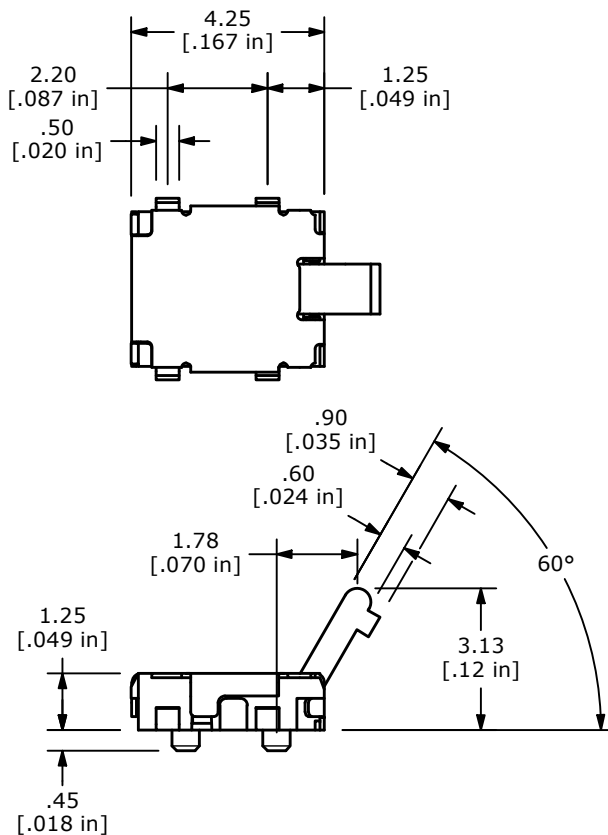
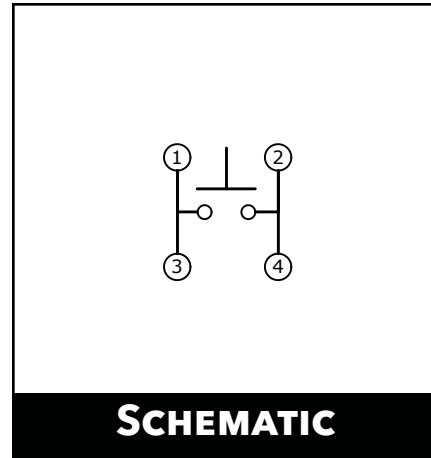
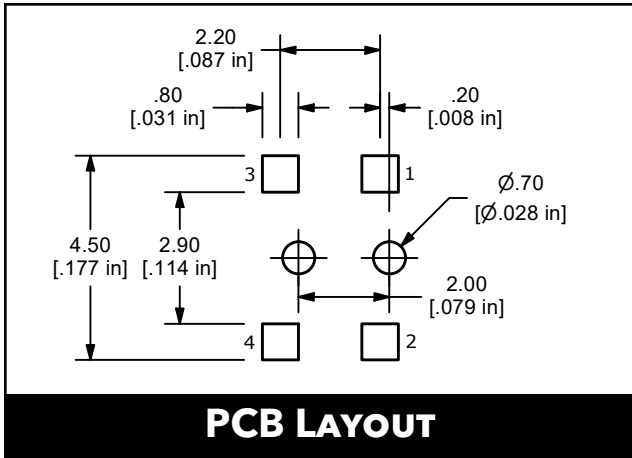


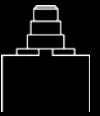
R - Tape and Reel



# TD1260 SERIES DETECTOR SWITCH - BODY DIMENSIONS

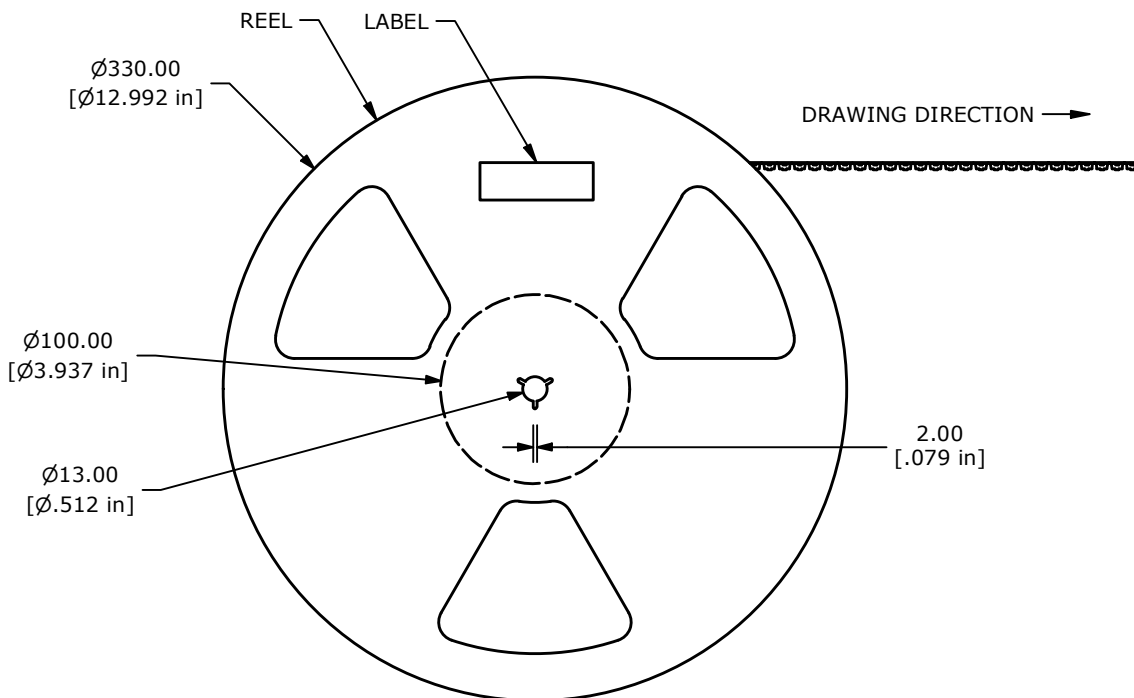
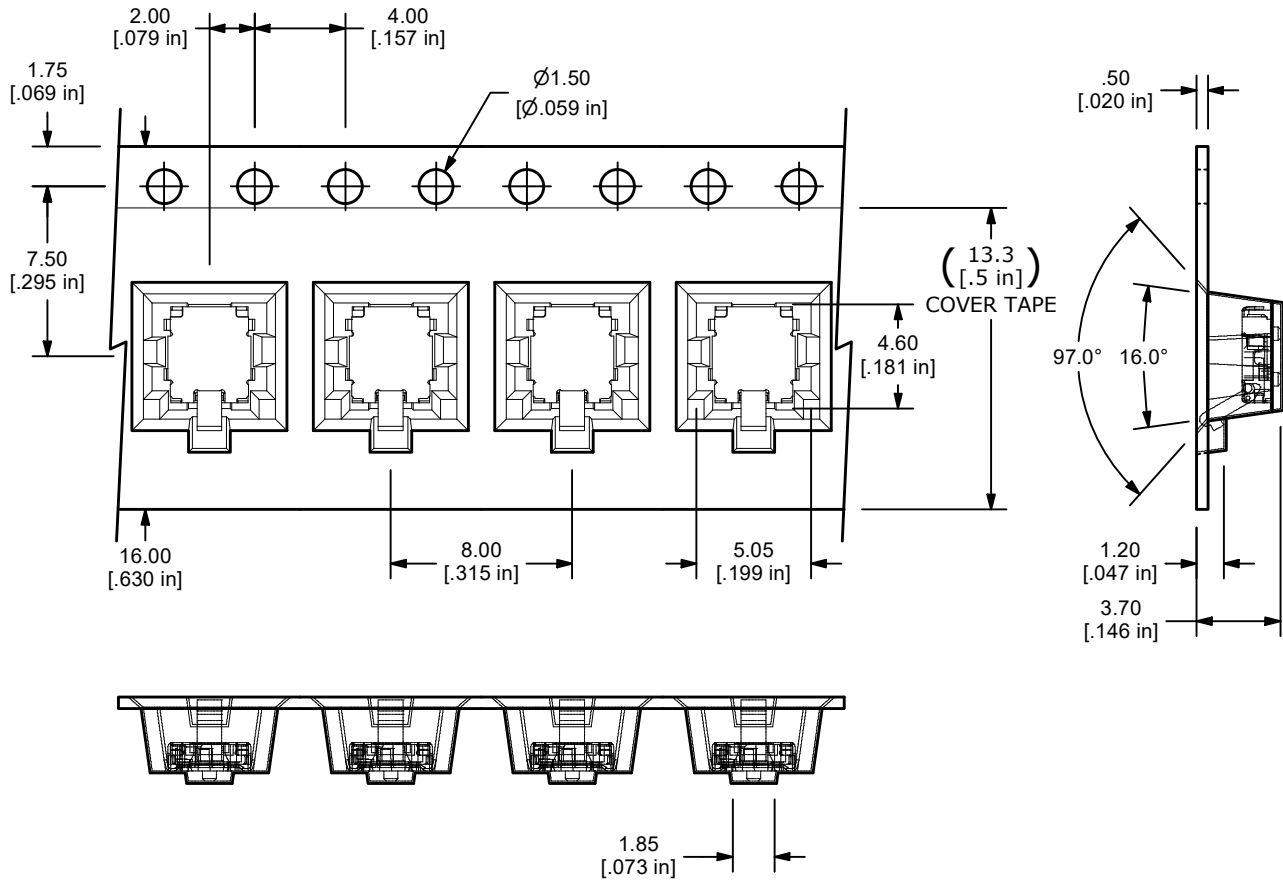
## NORMALLY OPEN

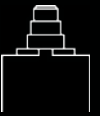




# TD1260 SERIES DETECTOR SWITCH - BODY DIMENSIONS

## TAPE AND REEL





# TD1260 SERIES DETECTOR SWITCH

## 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 <sub>Smax</sub> to T <sub>p</sub> )	3 °C/second max.	3 °C/second max.
<b>Preheat</b>		
-Temperature Min (T <sub>Smin</sub> )	100 °C	150 °C
-Temperature Max (T <sub>Smax</sub> )	150 °C	200 °C
-Time (t <sub>Smin</sub> to t <sub>Smax</sub> )	60-120 seconds	60-180 seconds
Time Maintained above:		
-Temperature (T <sub>L</sub> )	183 °C	217 °C
-Time (t <sub>L</sub> )	60-150 seconds	60-150 seconds
Time within 5 °C of actual Peak Temperature (t <sub>p</sub> )	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.*

