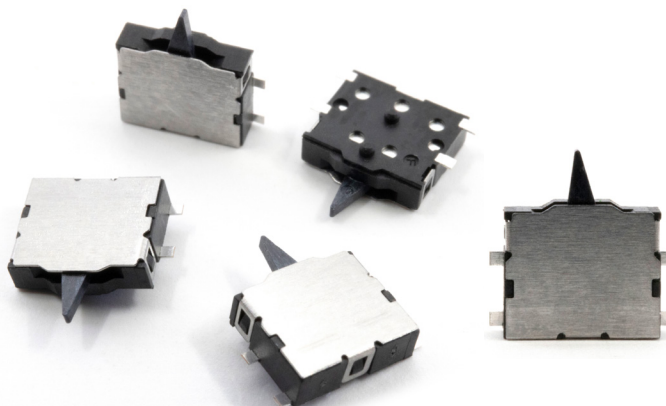
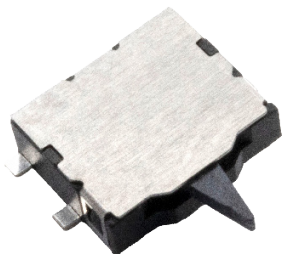


TD1270 SERIES DETECTOR SWITCH



SPECIFICATIONS

Contact Arrangement: SPDT (On)-Off-(On)
Contact Rating: 10mA 5VDC
Contact Resistance: 500mΩ Initial (MAX.)
Insulation Resistance: 100M Ohms @ 100VDC
Dielectric Strength: 100VAC for 1 minute
Mechanical Life: 100,000 Cycles
Travel: 1.5 [.06 in]
Operating Temperature: -40°C to 85°C
Actuation Force: 30gf (MAX.)
Ingress Protection: IP40;
 not recommended for washing processes

FEATURES & BENEFITS

Compact Size
Two-way operating, auto return
Circuit type: Normally open; SPDT (On)-Off-(On)
Sliding mechanical contacts
Mounting Bosses
Tape & Reel packaging

PART NUMBER CONFIGURATOR

Series



TD1270

Bosses



B - With Bosses

Circuit



G - Normally Open

Contact Material



Q - Silver Plated

Terminal



G - Gull wing

Packaging

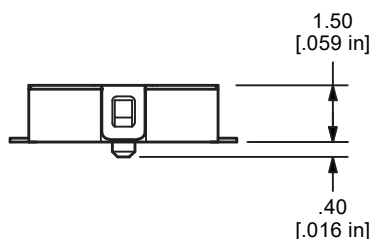
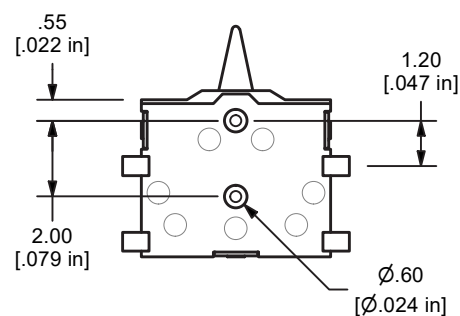
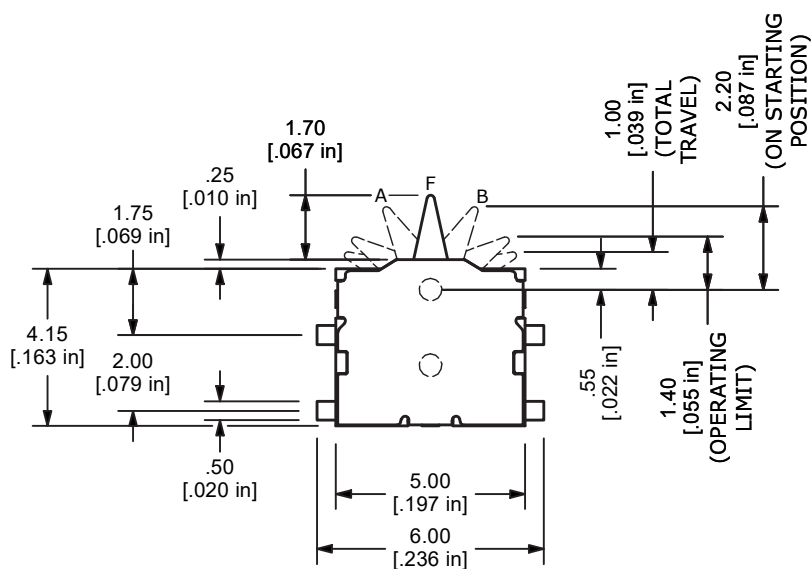
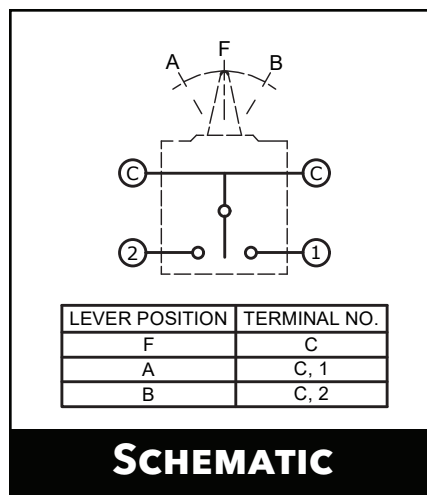
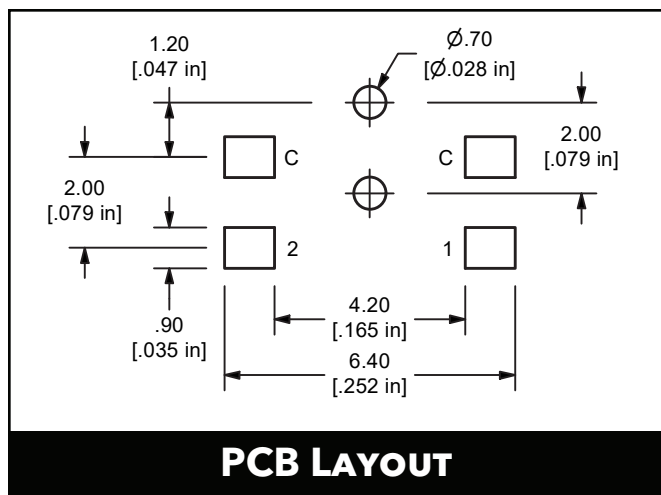


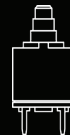
R - Tape & Reel



TD1270 SERIES DETECTOR SWITCH - BODY DIMENSIONS

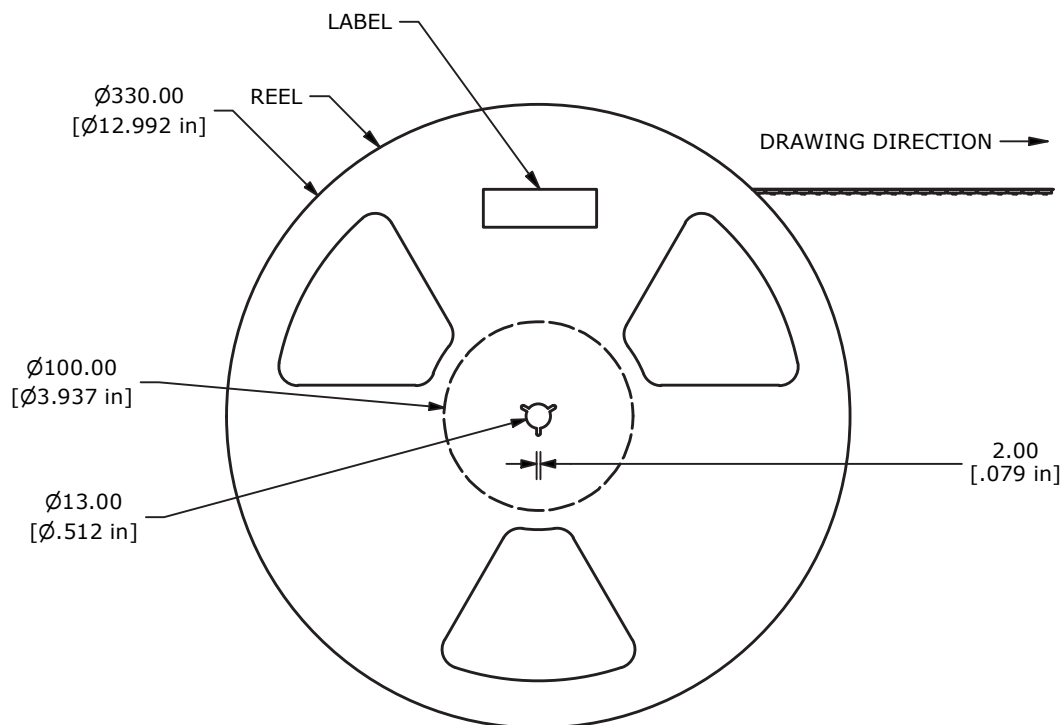
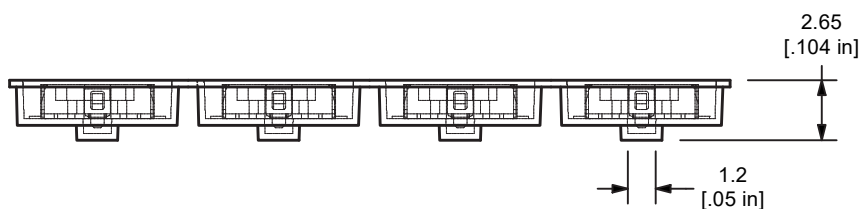
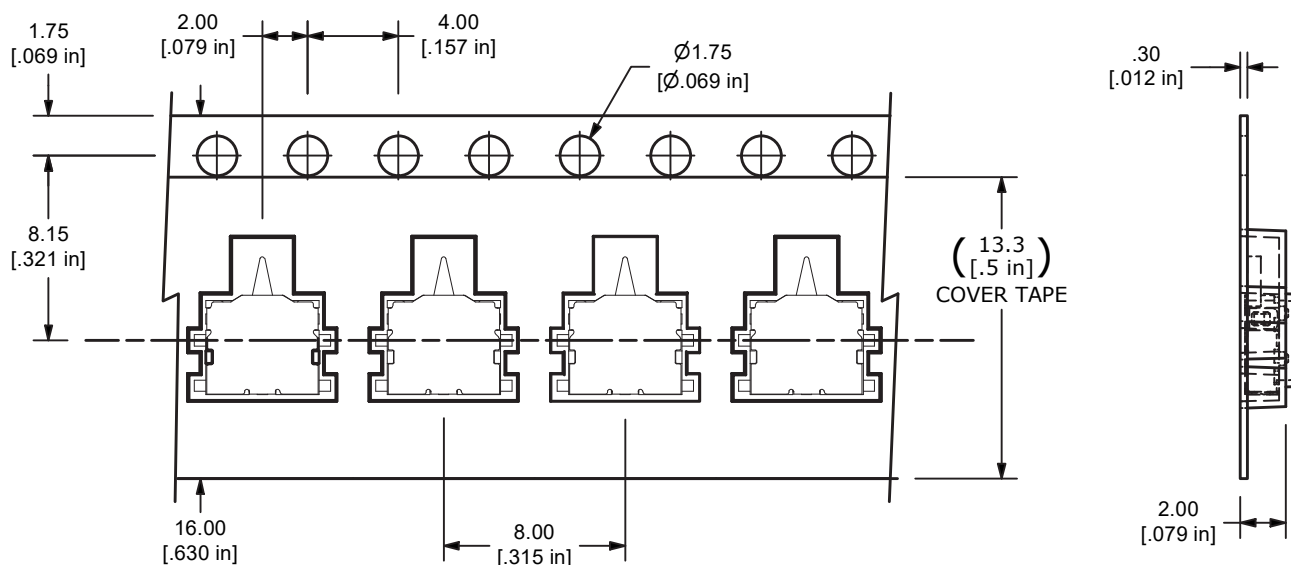
NORMALLY OPEN





TD1270 SERIES DETECTOR SWITCH - BODY DIMENSIONS

TAPE AND REEL





TD1270 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_{smax} to T_p)	3 °C/second max.	3 °C/second max.
Preheat		
-Temperature Min (T_{smin})	100 °C	150 °C
-Temperature Max (T_{smax})	150 °C	200 °C
-Time (t_{smin} to t_{smax})	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.

