



# Tactile Dome Handling Guide

## **CAUTION**

THIS CIRCUIT HAS PASSED INSPECTION. HANDLE CIRCUIT PROPERLY TO ENSURE ITS PERFORMANCE.

**Proper  
Dome  
Actuation**



### **HANDLING TIPS:**

**APPLY IN FLATTEST  
POSITION POSSIBLE**

**- DO NOT BEND -**



Peeling the Switch up off the substrate after application will damage the domes.



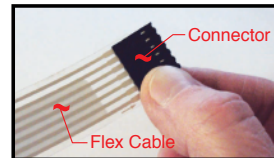
Depressing an unsupported dome will damage the dome.



Depressing the dome with sharp objects like pens, plastic cards, or fingernails can damage the domes.

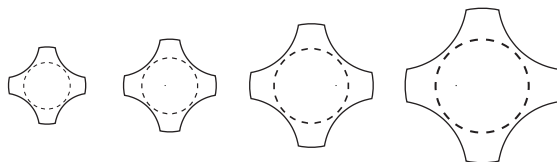


Never crease the tail.



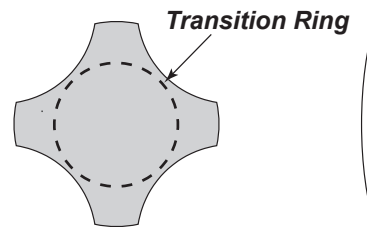
**\*To plug in or remove tail, ALWAYS handle by the connector and NOT the flex cable. This can cause damage to the crimp.**

## Overview of a Tactile Dome



10 mm 12 mm 16 mm 20 mm

**Actual Size Domes**



**4-Leg Tactile Dome**

### **DEFINITIONS:**

**Transition Ring** : Shown above, the Transition Ring is the visible ring on the top of the dome, where the dome radius transitions into the feet of the dome. The Transition Ring is the hinge point of the dome that forces the dome back to the original shape after the dome has been depressed.

**Bi-Stable**: The condition of a dome where, when actuated and released, it does not return to its original condition. In this state, the dome exhibits two (2) stable conditions.

- Any damage to the Transition Ring will affect the dome's ability to return to the original form, thus reducing the dome's actuation force, tactile ratio, or cause the dome to become bi-stable.
- A damaged dome will appear to be flattened or have little or no "spring" or tactile response.

