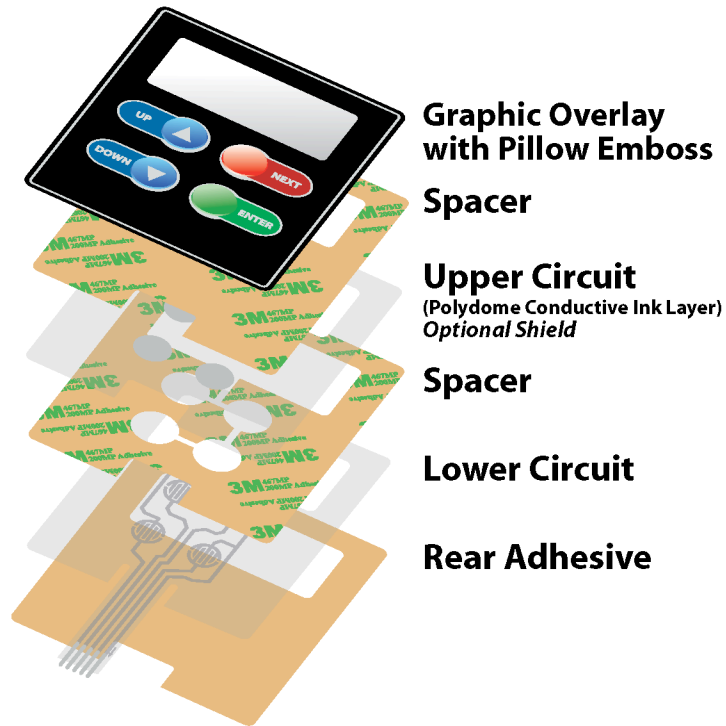
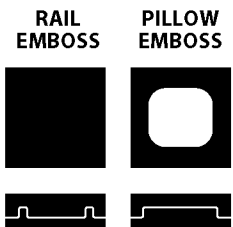


Typical Circuit Build (Polydomes)



Graphic Overlay with Pillow Emboss
Spacer

Upper Circuit
(Polydome Conductive Ink Layer)
Optional Shield

Spacer

Lower Circuit

Rear Adhesive

Circuit Mechanical Characteristics:

- Actuation Force: 6 oz - 15 oz
- Travel: .015" - .030"
- Life: 1-2 million
- Dimensional Tolerance: $\pm .010$ "

Circuit Electrical Characteristics:

- Voltage: 1-50V (DC)
- Operating Current: 1mA, 1 Watt max.
- Resistance: <100 ohms max.
- Contact Bounce: <5 ms
- Contact Resistance: .1-10 ohms
- Capacitance: <20 pF
- Dielectric Strength: 250VRMS
- Insulation Resistance: <100 M ohms@500VDC

Circuit Environmental Characteristics:

- Operating/Storage Temperature: -20° to $+115^{\circ}$
- Humidity: 90%-100% rh

*These values will apply to extreme environmental conditions and may vary depending upon the type of raw material used.

Overlay Options:

The overlay is produced based on your designs and the end-user environment (indoor, outdoor) temperature, humidity and chemical subjection.

- PC/PE Blend or Polyester with UV resistant hardcoat or chemical resistant hardcoat.
- Rail or Pillow Embossing, Textures, Color Matching System, Windows, LED Windows, Precision Die Cutting, Prototypes

ESD Protection:

- Full Foil Shield
- Printed Shielding