

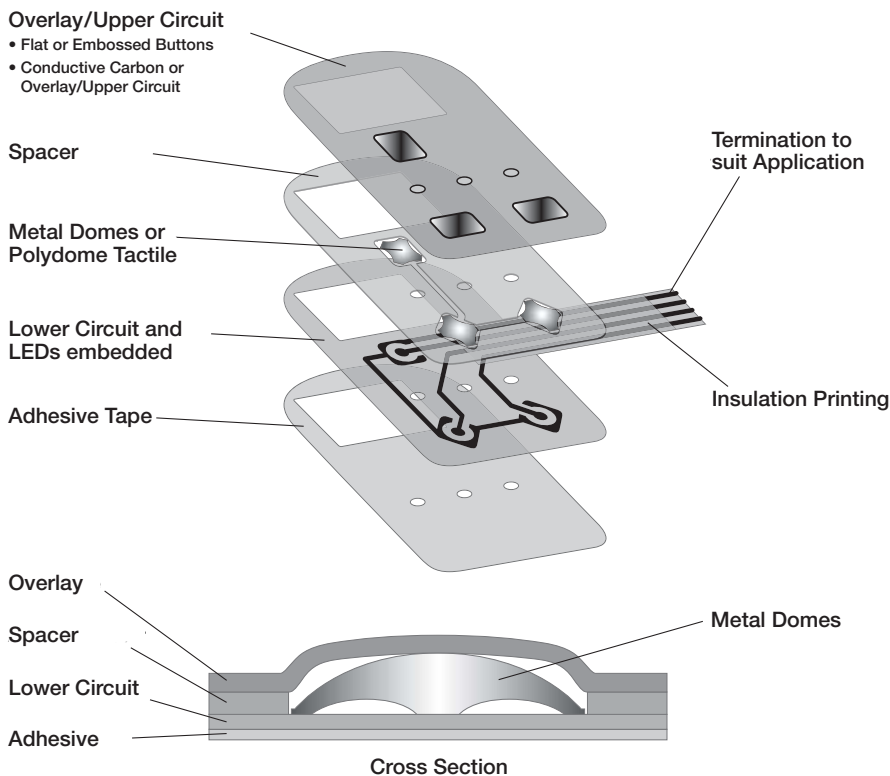
Membrane Keypad Structure

Reference Materials:

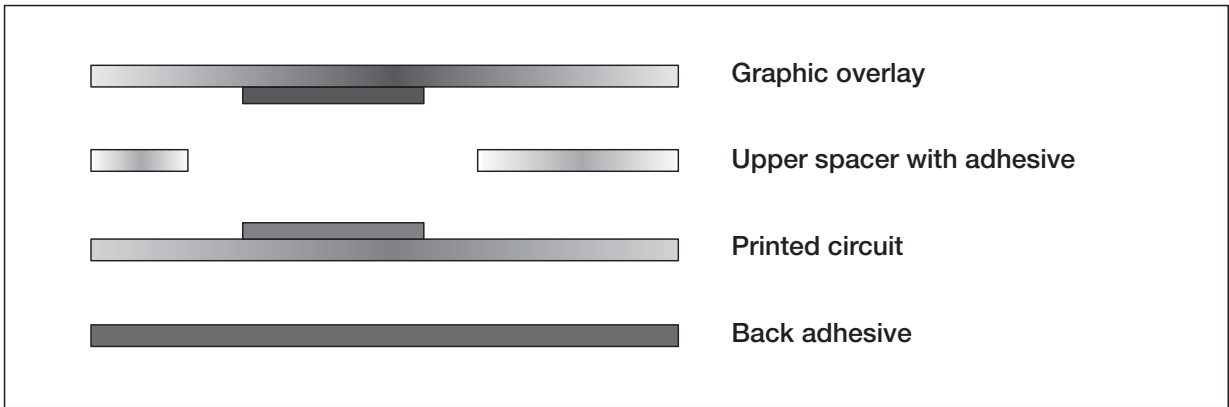
Overlay	Polycarbonate Film (PC) – Matt or Glossy surface Thickness (mm): 0.075, 0.125, 0.175, 0.250, 0.375, 0.500 Polyester Film (PET) with UV-cured texture coating – Matt or Glossy surface Thickness (mm): 0.15, 0.20, 0.25
Circuit Layer:	Polyester Film (PET) – Thickness (mm): 0.075, 0.100, 0.125
Conductive:	Carbon Ink, Conductive Silver Paste or Metal Domes
Spacer:	Polyester Film (PET)
Adhesive:	Adhesive Double Tape

Standard Specification for Membrane Keypads:

Contact Resistance:	10 to 500 Ω
Operation Voltage:	< 35 V DC
Operation Current:	< 100 mA
Open Circuit Resistance:	> 10 M Ω
Operation Force:	30 g to 500 g
Operation Temperature:	-20°C to +70°C
Storage Temperature:	-20°C to +70°C
Life Expectancy:	5 x 10 ⁵ to 10 x 10 ⁵ cycles
Switch Stroke (travel):	0.1mm to 0.6mm
Contact Bounce:	5 to 30 mSec



Flat Type (Non-Tactile)



Tactile Type

