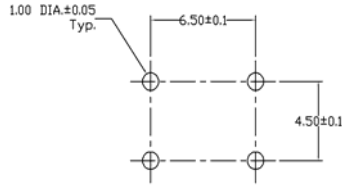
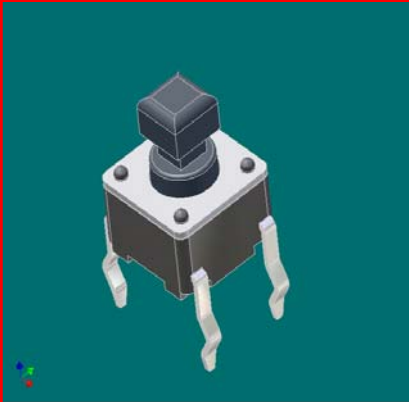
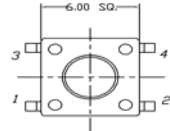


# LL SERIES LONG LIFE THRU-HOLE TACTILE SWITCHES



RECOMMEND P.C.B. LAYOUT



## MECHANICAL SPECIFICATIONS

Mechanical Life: 5 Million Cycles  
 Static Load: 2000 grams for 15 seconds  
 Force: 65 Grams

## ELECTRICAL SPECIFICATIONS

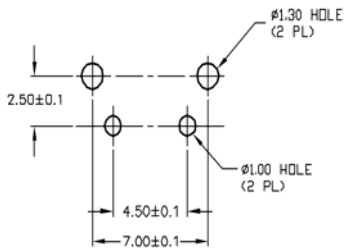
Contact Rating: 12VDC, 50mA  
 Contact Resistance (Initial Max.): 50mΩ @ 5VDC, 10mA  
 "End of Life": Avg. 1Ω See note\* (TTL/CMOS Compatible)

Insulation Resistance (min. @100V): 100MΩ  
 Dielectric Strength (50Hz., 1 Min.): 250VAC  
 Bounce: <10m Sec. Max

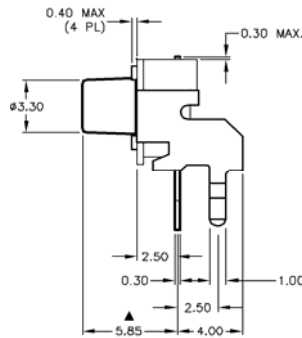
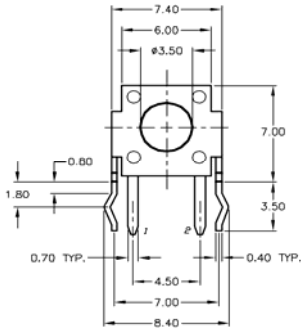
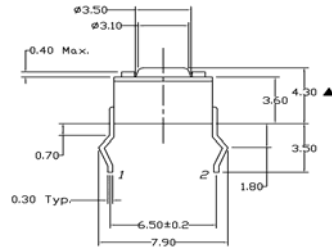
\*Due to normal contact wear, resistance at the end of life may be as high as 10Ω

## ENVIRONMENTAL SPECIFICATIONS

Operating Temp: -20°C to +70°C Silver  
 Storage Temp: -30°C to +80°C



RECOMMENDED P.C.B. LAYOUT



## How To Order

SERIES	MODEL	ACTUATOR HEIGHT/LENGTH	GRAM FORCE	CONTACT MATERIAL
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LL	1105	1105 (NONE)=4.3mm A=5.0mm B=9.5mm C=8.0mm D=13.0mm E=7.3mm F=7.0mm G=9.7mm H=12.5mm K=13.5mm P=8.85mm L=17.0mm Y=16.3mm T=2.4mm □ SP=2.8mm □	F065 Right Angle V=3.85mm W=3.15mm X=5.85mm R=6.15mm M=6.85mm S=8.35mm N=11.85mm Q=15.85mm J=2.4mm □ JA=2.8mm □ □ = Square Snap-on actuator head— Height is 7.3mm.	Q=Silver
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