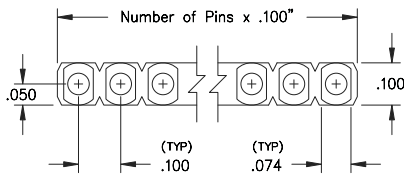


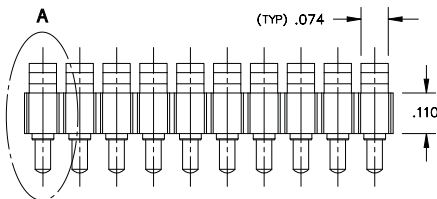
- Modular contacts for use on .100" grid, supplied in single row contact strips. Piston action is parallel to the board surface.
- Precision-machined piston / base and gold plated components assure a 1,000,000 min. cycle life.
- Pistons have a .045" mid. stroke & .090" max. stroke.
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak.
- High temperature thermoplastic insulators are suitable for surface mount processes.
- 810 series contact strips are designed for manual placement onto solder pads.



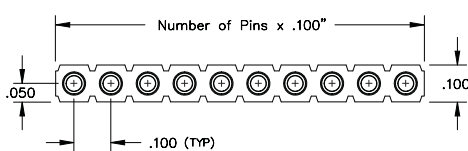
**Single Row Series 810**



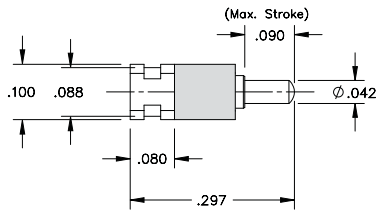
**TOP VIEW**



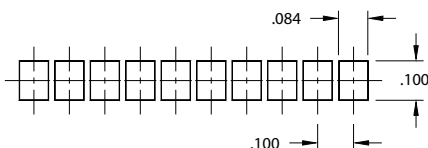
**FRONT VIEW**



**DETAIL 'A'**



**Suggested P.C.B. FOOTPRINT**



Coplanarity .005". For Pin Counts >10 positions consult Technical Support.

**Ordering Information**

**Series 810**

**Single Row Surface Mount**

810-22-0\_\_-40-001101

Specify # of pins

01-10

*For Electrical, Mechanical & Environmental Data, See pg. 4.1*

*For RoHS compliance select  $\diamond$  plating code.*

**Technical Specifications**

**Materials:**

Contact piston & Base: Machined copper alloy plated 20 $\mu$ " gold over 100 $\mu$ " nickel.

Spring: Beryllium copper plated 10 $\mu$ " gold

Insulator: High temp. thermoplastic rated UL94 V-0

**Mechanical:**

Spring force @ initial height: 25 grams

Spring force @ mid stroke: 60 grams

Durability: 1,000,000 cycles min.

**Electrical:**

Voltage rating: 100Vrms/150Vdc

Current rating: 2A (continuous), 3A (peak) per contact

Contact resistance: 20m $\Omega$  max.

Insulation resistance: 10,000M $\Omega$  min.

Dielectric strength: 700Vrms min.

Capacitance: 1pF max.

