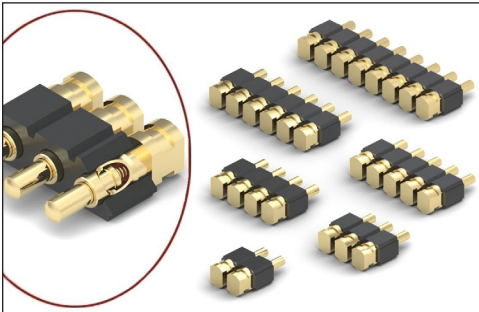


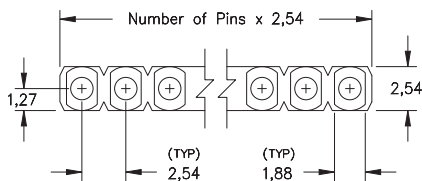
# SPRING-LOADED CONNECTORS

## SERIES 810 • 2,54 GRID HORIZONTAL SURFACE MOUNT • SINGLE ROW STRIPS

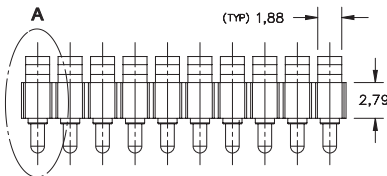


- Modular contacts for use on 2,54 grid, supplied in single row contact strips. Piston action is parallel to the board surface
- Ideal for daisy chaining of P.C.B.'s when mated with right angle target connectors (series 399...10-008) or for mating boards in a perpendicular orientation
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- Pistons have a 1,14 mid. stroke & 2,29 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

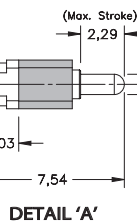
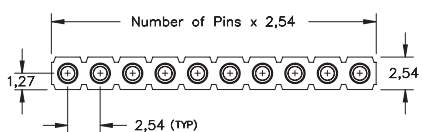
### SINGLE ROW Series 810



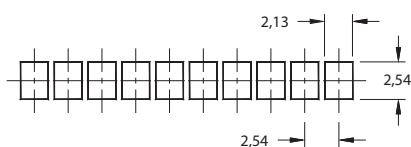
### TOP VIEW



### FRONT VIEW



### Suggested P.C.B. FOOTPRINT



Coplanarity 0,13. For Pin Counts >10 positions consult Technical Support

## ORDERING INFORMATION

### Single Row Series 810

810-22-0XX-40-001101

Specify number of contacts 01-10

### Technical Specifications

#### Materials:

Contact piston & base: Machined copper alloy plated 0,51µm gold over 2,54µm nickel  
 Spring: Beryllium copper-plated 0,25µm gold  
 Insulator: High temperature thermoplastic, rated UL94 V-0

#### Mechanical:

Spring force @ initial height: 25 grams  
 Spring force @ mid stroke (1,14): 60 grams  
 Durability: Up to 1,000,000 cycles

#### Electrical:

Voltage rating: 100Vrms/150Vdc  
 Current rating: 2A (continuous), 3A (peak) per contact  
 Contact resistance: 20mΩ max.  
 Insulation resistance: 10,000MΩ min.  
 Dielectric strength: 700Vrms min.  
 Capacitance: 1pF max.

RoHS-2  
2011/65/EU

