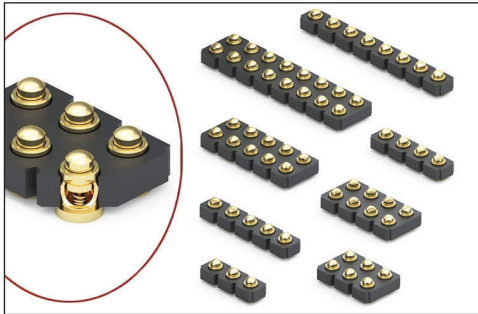


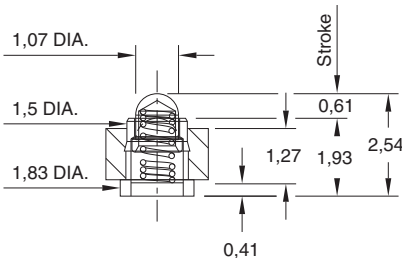
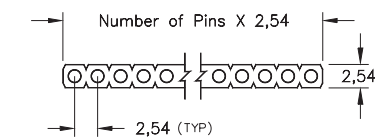
# SPRING-LOADED CONNECTORS

## SERIES 815 & 817 • 2,54 GRID SURFACE MOUNT, ULTRA LOW PROFILE • SINGLE AND DOUBLE ROW STRIPS

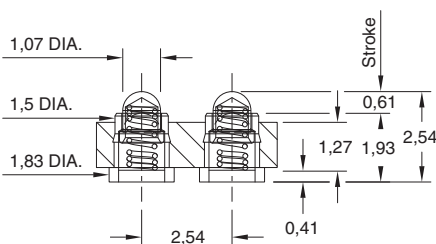
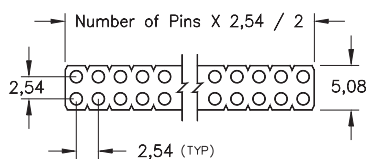


- Modular contacts for use on 2,54 grid, available in a height of 2,54, supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- Pistons have a 0,3 mid. stroke and a 0,61 max. stroke
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for surface mount processes
- 815 & 817 series contact strips are designed for manual placement onto a 2,08 Ø solder pad prior to reflow soldering

### SINGLE ROW Series 815



### DOUBLE ROW Series 817



## ORDERING INFORMATION

### Single Row Series 815

815-22-0XX-30-001101

Specify number of contacts 01-32

For 815 and 817 Tape & Reel packaging, see page 12.1

### Double Row Series 817

817-22-0XX-30-001101

Specify number of contacts 04-72

For 815 and 817 Tape & Reel packaging, see page 12.1

## Technical Specifications

### Materials:

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

### Mechanical:

Spring force @ initial height: 25 grams  
 Spring force @ mid stroke (0,3): 60 grams  
 Durability: Up to 1,000,000 cycles  
 Coplanarity: 0,13 (Single Row up to 10 pins; Double Row up to 20 pins),  
 For higher pin counts, contact Technical Support

### 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



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[815-22-001-30-001101](#) [817-22-032-30-001101](#) [815-22-020-30-001101](#)