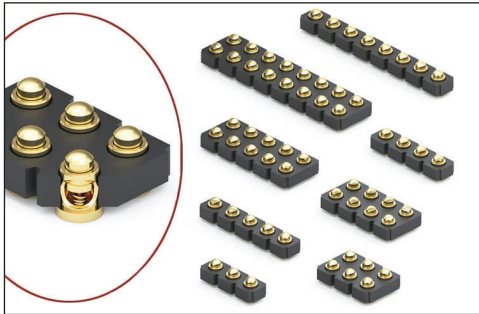


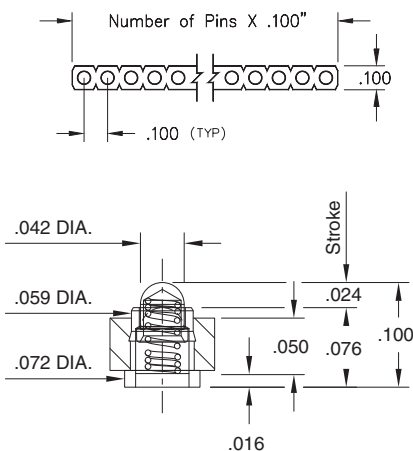
# SPRING-LOADED CONNECTORS

## SERIES 815 & 817 • .100" GRID SURFACE MOUNT, ULTRA LOW PROFILE • SINGLE AND DOUBLE ROW STRIPS

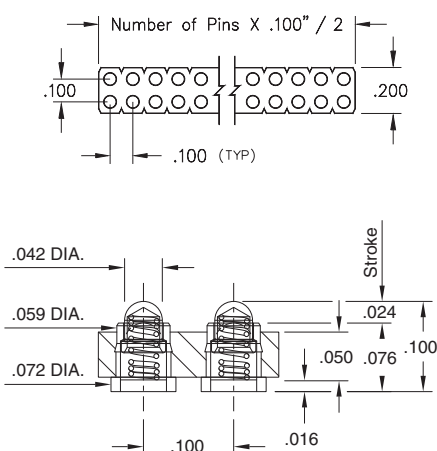


- Modular contacts for use on .100" grid, available in a height of .100", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- Pistons have a .012" mid. stroke and a .024" max. stroke
- Low resistance, 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 .082" 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 20µ" gold over 100µ" nickel  
 Spring: Beryllium copper-plated 10µ" gold  
 Insulator: High temperature thermoplastic, rated UL94 V-0

### Mechanical:

Spring force @ initial height: 25 grams  
 Spring force @ mid stroke (.012"): 60 grams  
 Durability: Up to 1,000,000 cycles  
 Coplanarity: .005" (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:

## Mill-Max:

[815-22-032-30-001101](#) [817-22-072-30-001101](#) [815-22-019-30-001101](#) [815-22-022-30-001101](#) [815-22-012-30-001101](#) [815-22-021-30-001101](#) [815-22-025-30-001101](#) [815-22-011-30-001101](#) [815-22-017-30-001101](#) [815-22-024-30-001101](#) [815-22-031-30-001101](#) [815-22-015-30-001101](#) [815-22-013-30-001101](#) [815-22-014-30-001101](#) [815-22-026-30-001101](#) [815-22-030-30-001101](#) [815-22-029-30-001101](#) [815-22-028-30-001101](#) [815-22-023-30-001101](#) [815-22-018-30-001101](#) [815-22-027-30-001101](#) [815-22-016-30-001101](#)