

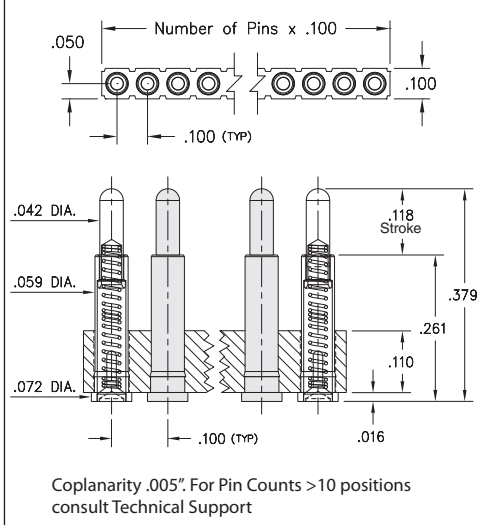
# SPRING-LOADED CONNECTORS

## SERIES 837 & 839 • .100" GRID SURFACE MOUNT, 3MM MAX. STROKE • SINGLE AND DOUBLE ROW STRIPS

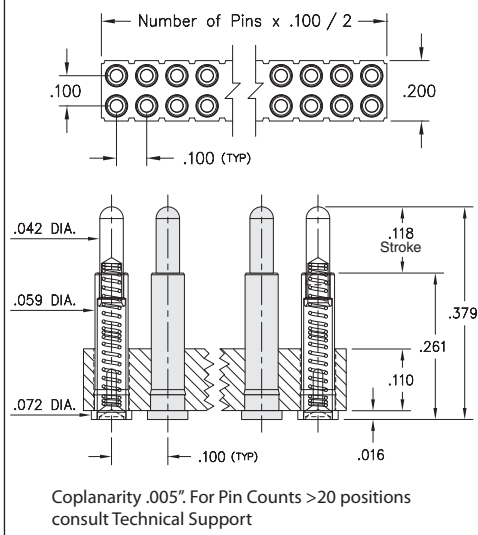


- Modular contacts for use on .100" grid, available in single and double row contact strips with recommended rated travel of .030" - .100" and max. stroke of .118" +0/-0.010"
- Precision-machined piston / base and gold-plated components
- Extended body provides greater bearing surface for increased strength & plunger protection
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for SMT soldering processes
- Both 837 & 839 series, are available on 44mm wide carrier tape and fitted with vacuum pick-up clips for automated pick and place assembly. Tape and Reel packaging per EIA-481
- 837 & 839 series contact strips are designed for manual or automatic placement onto .082" Ø solder pads

### SINGLE ROW Series 837



### DOUBLE ROW Series 839



## ORDERING INFORMATION

### Series 837 (Bulk Packaged)

837-22-0XX-30-001101

Specify number of contacts 01-64

### Series 837 (Tape & Reel Packaged, 200 parts per reel)

837-22-0XX-30-001191

Specify number of contacts 02-12

### Series 839 (Bulk Packaged)

839-22-0XX-30-001101

Specify number of contacts 04-72

### Series 839 (Tape & Reel Packaged, 200 parts per reel)

839-22-0XX-30-001191

Specify number of contacts 04-24

## Technical Specifications

### Materials:

Contact piston & base: Machined copper alloy plated 20µ" gold over 100µ" nickel  
 Spring: Stainless Steel-plated 10µ" gold  
 Insulator: High temperature thermoplastic, rated UL94 V-0

### Mechanical:

Spring force @ initial height: 25 grams  
 Spring force @ mid stroke (.059"): 85 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

