

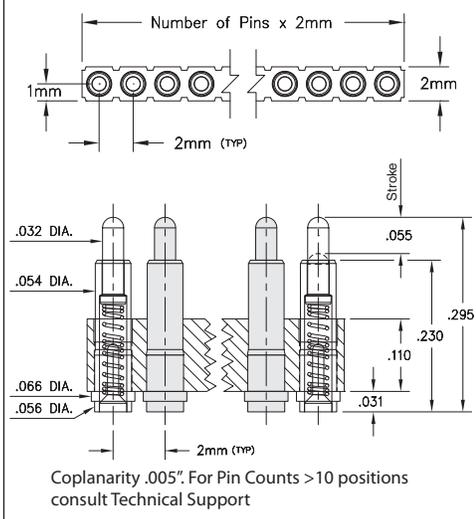
# SPRING-LOADED CONNECTORS

## SERIES 836 & 838 • 2mm GRID SURFACE MOUNT • SINGLE AND DOUBLE ROW STRIPS

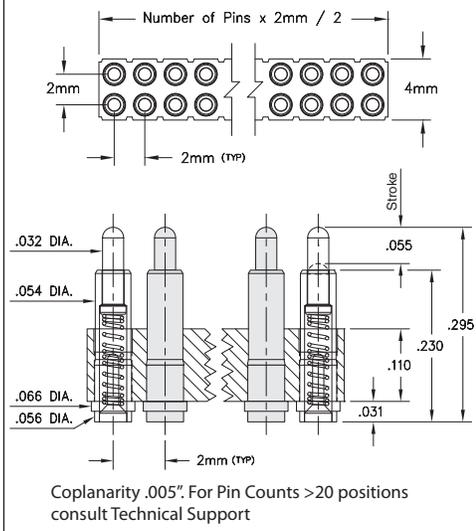


- Modular contacts for use on 2mm grid, available in single and double row contact strips with working travel of .0275" and max. stroke of .055"
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for SMT soldering processes
- Both 836 & 838 series, are available on 32mm wide carrier tape and fitted with vacuum pick-up clips for automated pick and place assembly. Tape and Reel packaging per EIA-481
- 836 & 838 series contact strips are designed for manual or automatic placement onto .066" Ø solder pads

### SINGLE ROW Series 836



### DOUBLE ROW Series 838



## ORDERING INFORMATION

### Series 836 (Bulk Packaged)

836-22-0XX-30-001101

Specify number of contacts 02-10

### Series 836 (Tape & Reel Packaged, 400 parts per reel)

836-22-0XX-30-001191

Specify number of contacts 02-10

### Series 838 (Bulk Packaged)

838-22-0XX-30-001101

Specify number of contacts 04-20

### Series 838 (Tape & Reel Packaged, 400 parts per reel)

838-22-0XX-30-001191

Specify number of contacts 04-20

## 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 (.0275"): 60 grams

Durability: 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

