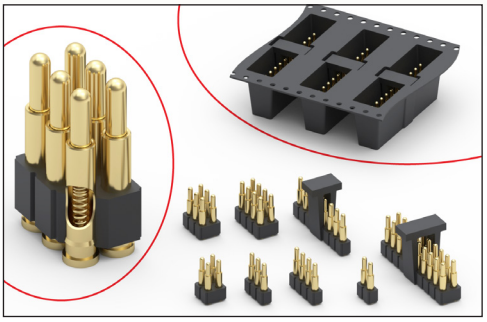
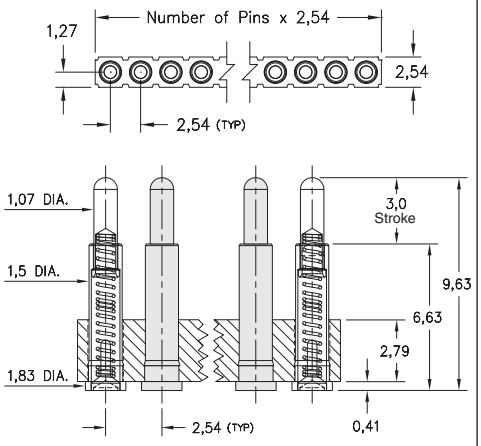
SPRING-LOADED CONNECTORS

SERIES 837 & 839 • 2,54 GRID SURFACE MOUNT, 3MM MAX. STROKE • SINGLE AND DOUBLE ROW STRIPS



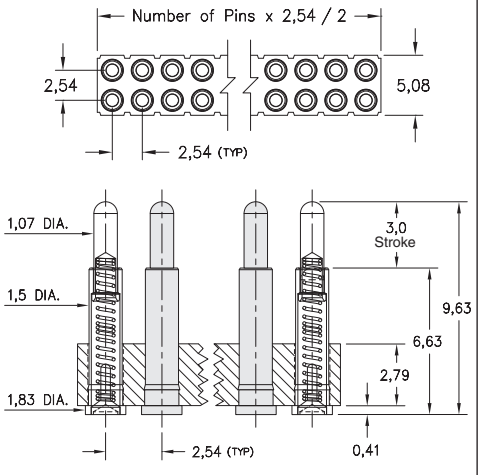
- Modular contacts for use on 2,54 grid, available in single and double row contact strips with recommended working travel of 0,76 - 2,54 and max. stroke of 3,0 +0/-0,25
- Precision-machined piston / base and gold-plated components
- Extended body provides greater bearing surface for increased strength & 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 2,08 Ø solder pads

SINGLE ROW Series 837



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

DOUBLE ROW Series 839



Coplanarity 0,13. For Pin Counts >20 positions consult Technical Support

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 0,51µm gold over 2,54µm nickel
Spring: Stainless Steel-plated 0,25µm gold
Insulator: High temperature thermoplastic, rated UL94 V-0

Mechanical:

Spring force @ initial height: 25 grams
Spring force @ mid stroke (1,5): 85 grams
Durability: Up to 1,000,000 cycles

Electrical:

Voltage rating: 100Vrms/150Vdc
Current rating: 2A (continous), 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

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