

MAXIMUM SOLUTIONS

Ultra-Low Profile Spring-Loaded Connectors



Mill-Max introduces our lowest profile spring-loaded connectors, just .100" in height. The trend toward miniaturization in electronic packaging demands ever smaller interconnects that deliver high quality performance. For board-to-board or device-to-board connections, these low profile spring-loaded connectors are a practical solution.

The new connectors are offered in single row, series [815-22-0XX-30-001101](#) and double row, series [817-22-0XX-30-001101](#), both on .100" (2,54 mm) grid. The single row is available in 2 to 32 positions and the double row in 4 to 72 positions. For surface mount applications where above board height is limited, these connectors are ideal with an above board profile of .100", a mid-stroke travel of .012" (0,3 mm) and full stroke of .024" (0,61 mm.)

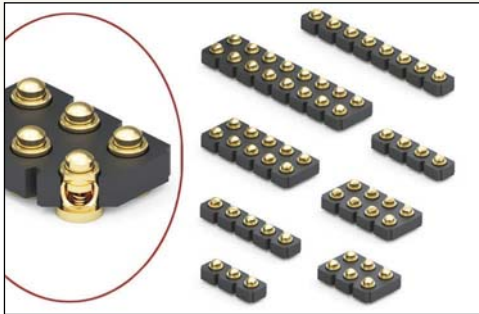
These low profile spring-loaded connector options maintain the quality and reliability of current Mill-Max spring pin connectors by utilizing the same technology & internal spring components. Gold-plated components and springs ensure the highest conductivity, corrosion resistance and durability. The spring-loaded pins used in these connectors are rated for one million cycles and have a current rating of 2 amps continuous use (3 amps maximum.) The high temperature plastic housing is suitable for all soldering processes and the connectors are RoHS compliant.

For more information, please visit: www.mill-max.com/PR633.

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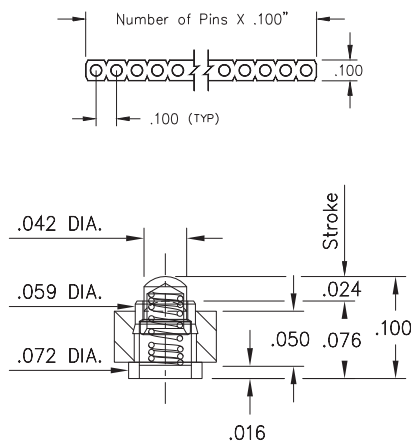
SPRING-LOADED CONNECTORS

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

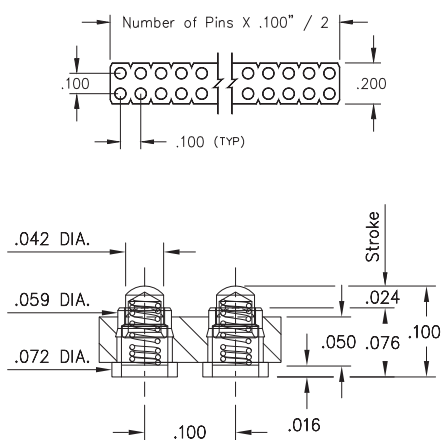


- Modular contacts for use on .100" grid, available in a height of .100", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a .012" mid. stroke and a .024" max. stroke
- Low resistance, 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

Double Row Series 817

817-22-0XX-30-001101

Specify number of contacts 04-72

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: 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

