



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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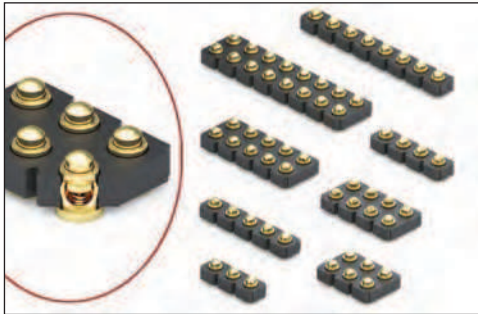
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



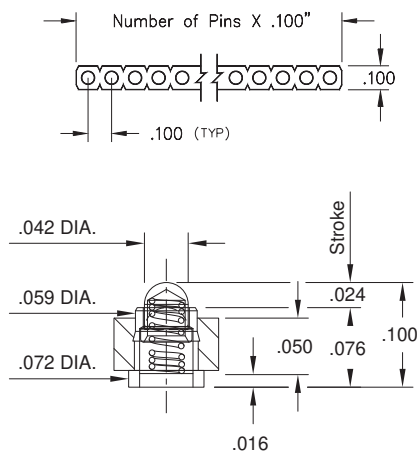
SPRING-LOADED CONNECTORS

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

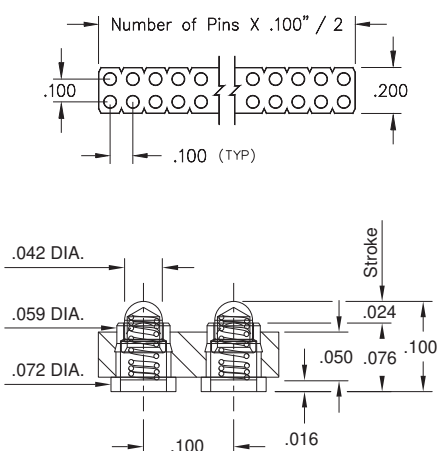


- Modular contacts for use on .100" grid, available in a height of .100", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a .012" mid. stroke and a .024" max. stroke
- Low resistance, 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 819

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 820

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: 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.

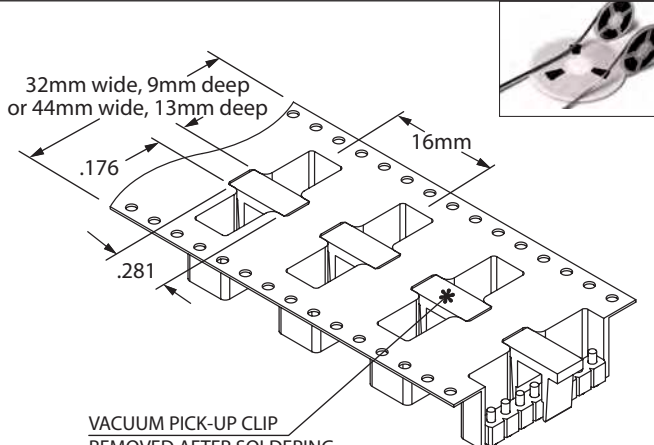
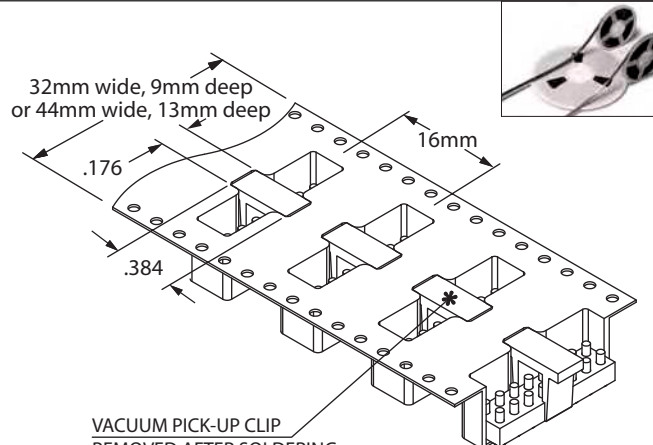
RoHS-2
2011/65/EU



SPRING-LOADED CONNECTORS

SERIES 815, 817, 819, 820 • .100" GRID SURFACE MOUNT • CARRIER TAPE AND PACKAGING

Ordering Information for Series 815/817/819/820 in Carrier Tape

Single Row Series 815	Double Row Series 817
<p style="text-align: center;">815-22-0XX-30-001191</p> <p>Specify number of pins ↑ 02-10</p> <p>(44mm wide tape, 910 parts per 13" reel)</p>	<p style="text-align: center;">817-22-0XX-30-001191</p> <p>Specify number of pins ↑ 04-20</p> <p>(44mm wide tape, 680 parts per 13" reel)</p>
Single Row Series 819	Double Row Series 820
<p style="text-align: center;">819-22-0XX-30-001191</p> <p>Specify number of pins ↑ 02-08</p> <p>(32mm wide tape, 400 parts per 13" reel)</p>	<p style="text-align: center;">820-22-0XX-30-001191</p> <p>Specify number of pins ↑ 04-16</p> <p>(32mm wide tape, 400 parts per 13" reel)</p>
Single Row Series 819	Double Row Series 820
<p style="text-align: center;">819-22-0XX-30-001191</p> <p>Specify number of pins ↑ 09-12</p> <p>(44mm wide tape, 200 parts per 13" reel)</p>	<p style="text-align: center;">820-22-0XX-30-001191</p> <p>Specify number of pins ↑ 18-24</p> <p>(44mm wide tape, 200 parts per 13" reel)</p>
 <p>32mm wide, 9mm deep or 44mm wide, 13mm deep</p> <p>.176</p> <p>16mm</p> <p>.281</p> <p>VACUUM PICK-UP CLIP REMOVED AFTER SOLDERING</p>	 <p>32mm wide, 9mm deep or 44mm wide, 13mm deep</p> <p>.176</p> <p>16mm</p> <p>.384</p> <p>VACUUM PICK-UP CLIP REMOVED AFTER SOLDERING</p>

