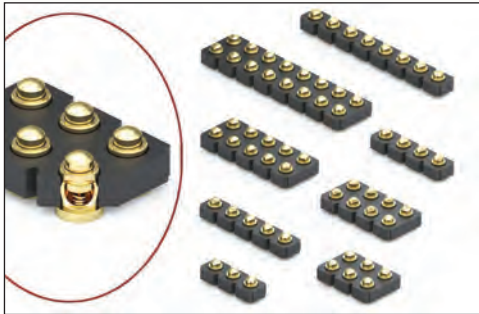


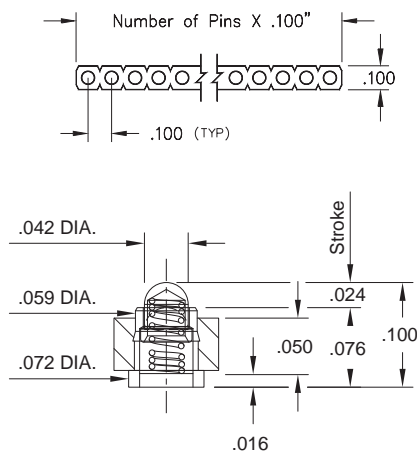
# SPRING-LOADED CONNECTORS

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

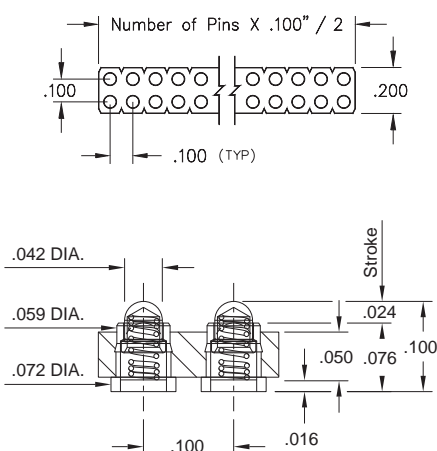


- Modular contacts for use on .100" grid, available in a height of .100", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a .012" mid. stroke and a .024" max. stroke
- Low resistance,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

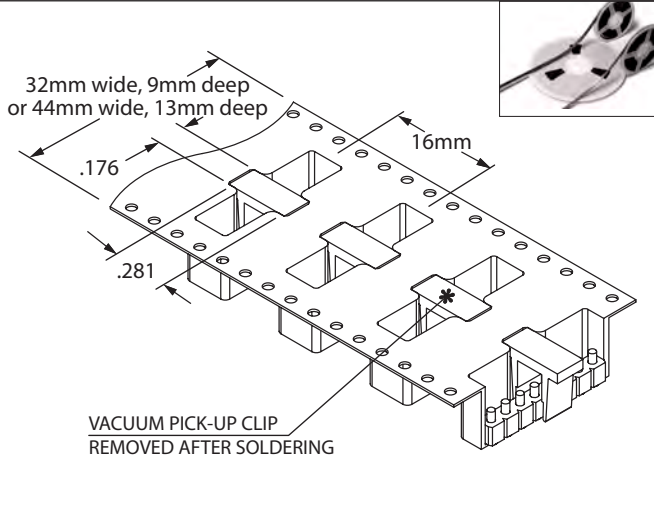
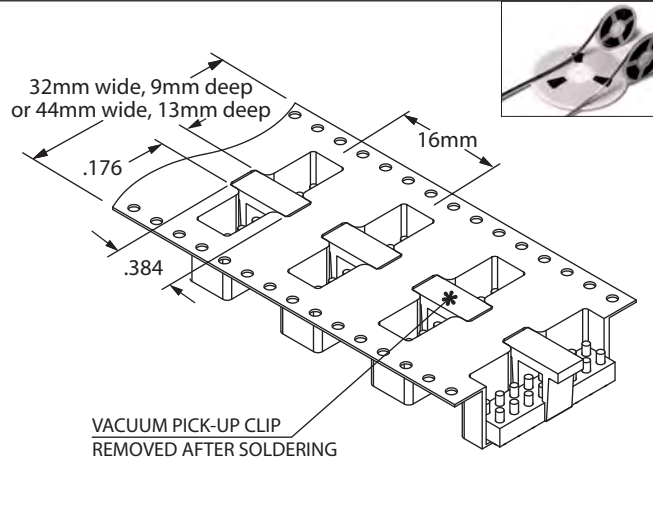
RoHS-2  
2011/65/EU



# 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>815-22-0XX-30-001191</p> <p>Specify number of pins <math>\uparrow</math> 02-10</p> <p>( 44mm wide tape, 910 parts per 13" reel )</p>	<p>817-22-0XX-30-001191</p> <p>Specify number of pins <math>\uparrow</math> 04-20</p> <p>( 44mm wide tape, 680 parts per 13" reel )</p>
Single Row Series 819	Double Row Series 820
<p>819-22-0XX-30-001191</p> <p>Specify number of pins <math>\uparrow</math> 02-08</p> <p>( 32mm wide tape, 400 parts per 13" reel )</p>	<p>820-22-0XX-30-001191</p> <p>Specify number of pins <math>\uparrow</math> 04-16</p> <p>( 32mm wide tape, 400 parts per 13" reel )</p>
Single Row Series 819	Double Row Series 820
<p>819-22-0XX-30-001191</p> <p>Specify number of pins <math>\uparrow</math> 09-12</p> <p>( 44mm wide tape, 200 parts per 13" reel )</p>	<p>820-22-0XX-30-001191</p> <p>Specify number of pins <math>\uparrow</math> 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>

