

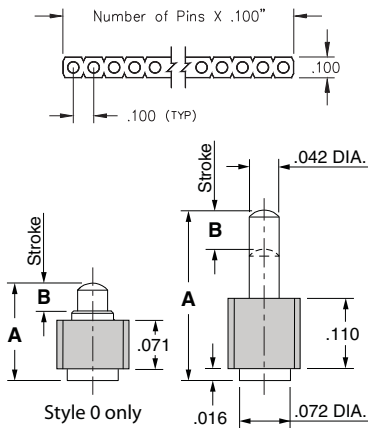
SPRING-LOADED CONNECTORS

SERIES 811 & 813 • .100" GRID SURFACE MOUNT, LOW PROFILE • SINGLE AND DOUBLE ROW STRIPS

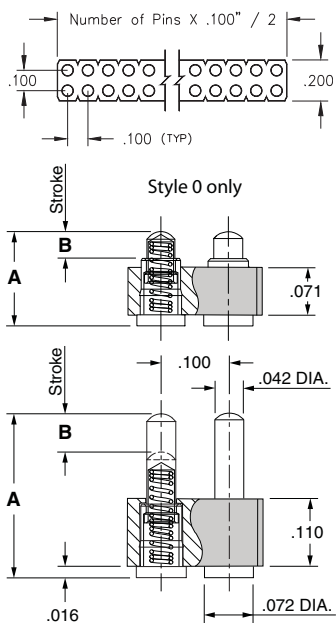


- Modular contacts for use on .100" grid, available in five heights from .137" to .236", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a long stroke relative to the low profile of the assembly
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for surface mount processes
- Both 811 & 813 series, contact styles 1 through 4, 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. See page 12 for strip lengths available and ordering information

SINGLE ROW Series 811



DOUBLE ROW Series 813



ORDERING INFORMATION

Single Row Series 811

811-22-0XX-30-00X101

Specify number of contacts 01-64

Specify contact style 0-4

Double Row Series 813

813-22-0XX-30-00X101

Specify number of contacts 04-72

Specify contact style 0-4

For 811 and 813 Tape & Reel packaging, see page 12

CONTACT STYLE	INITIAL HEIGHT A	MAX. STROKE B
0	.137	.039
1	.177	.045
2	.197	.055
3	.217	.055
4	.236	.055

Technical Specifications

Materials:

Contact piston & base: Machined copper alloy plated 20 μ " gold over 100 μ " nickel
 Spring: Beryllium copper-plated 10 μ " gold
 Insulator: High temperature thermoplastic, rated UL94 V-0

Mechanical:

Spring force @ initial height (A): 25 grams
 Spring force @ mid stroke (B/2): 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: 20m Ω max.
 Insulation resistance: 10,000M Ω min.
 Dielectric strength: 700Vrms min.
 Capacitance: 1pF max.

RoHS-2
2011/65/EU



SPRING-LOADED CONNECTORS

SERIES 811, 812, 813, 814 • .100" GRID SURFACE MOUNT • CARRIER TAPE AND PACKAGING

Ordering Information for Series 811/812/813/814 in Carrier Tape

Single Row Series 811	Double Row Series 813
<p>811-22-0XX-30-00X191</p> <p>Specify contact style 0-4 Specify number of contacts 02-08 (32mm wide tape, 400 parts per 13" reel)</p>	<p>813-22-0XX-30-00X191</p> <p>Specify contact style 0-4 Specify number of contacts 04-16 (32mm wide tape, 400 parts per 13" reel)</p>
Single Row Series 811	Double Row Series 813
<p>811-22-0XX-30-00X191</p> <p>Specify contact style 1-4 Specify number of contacts 09-12 (44mm wide tape, 200 parts per 13" reel)</p>	<p>813-22-0XX-30-00X191</p> <p>Specify contact style 1-4 Specify number of contacts 18-24 (44mm wide tape, 200 parts per 13" reel)</p>
Single Row Series 812	Double Row Series 814
<p>812-22-0XX-30-00X191</p> <p>Specify contact style 0-2 Specify number of contacts 02-08 (32mm wide tape, 400 parts per 13" reel)</p>	<p>814-22-0XX-30-00X191</p> <p>Specify contact style 0-2 Specify number of contacts 04-16 (32mm wide tape, 400 parts per 13" reel)</p>
Single Row Series 812	Double Row Series 814
<p>812-22-0XX-30-00X191</p> <p>Specify contact style 0-2 Specify number of contacts 09-12 (44mm wide tape, 200 parts per 13" reel)</p>	<p>814-22-0XX-30-00X191</p> <p>Specify contact style 0-2 Specify number of contacts 18-24 (44mm wide tape, 200 parts per 13" reel)</p>
Single Row Series 812	Double Row Series 814
<p>812-22-0XX-30-00X191</p> <p>Specify contact style 3-9 Specify number of contacts 02-12 (44mm wide tape, 200 parts per 13" reel)</p>	<p>814-22-0XX-30-00X191</p> <p>Specify contact style 3-9 Specify number of contacts 04-24 (44mm wide tape, 200 parts per 13" reel)</p>