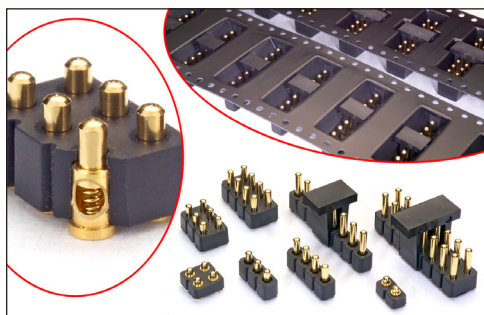


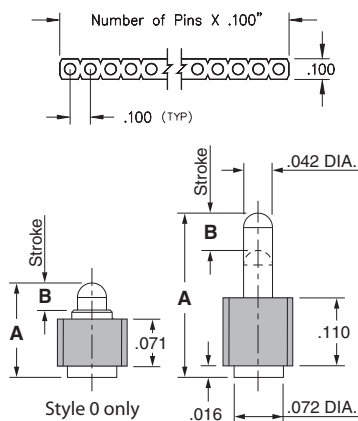
# SPRING-LOADED CONNECTORS

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

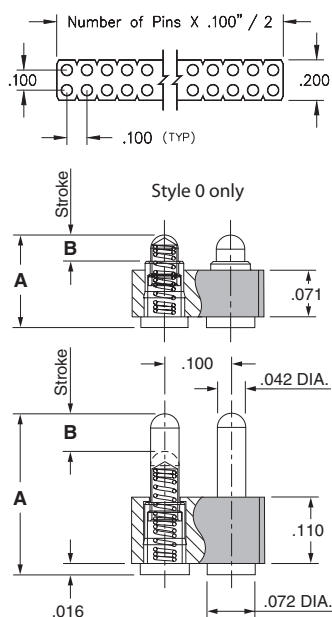


- Modular contacts for use on .100" grid, available in five heights from .137" to .236", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- Pistons have a long stroke relative to the low profile 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 20μ" gold over 100μ" nickel  
Spring: Beryllium copper-plated 10μ" 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: Up to 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



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Mill-Max:

[811-22-004-30-007101](#) [811-22-004-30-006101](#)