

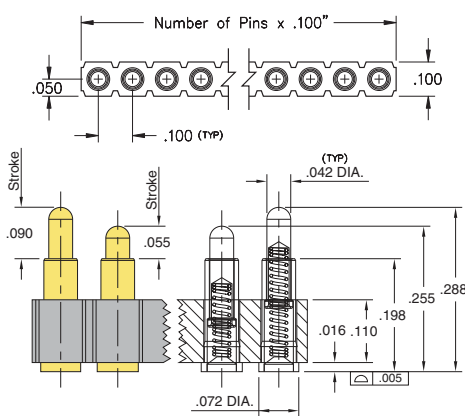
# SPRING-LOADED CONNECTORS

## SERIES 812 & 814 • .100" GRID SURFACE MOUNT, FIRST MATE/LAST BREAK • SINGLE AND DOUBLE ROW STRIPS



- Modular contacts for use on .100" grid, supplied in single and double row contact strips
- Taller pins in the end positions make contact first and break contact last to address applications where connection sequence is required
- The 0913-0 pin has a full stroke capability of .090", allowing all pins to be compressed to their rated mid stroke while accounting for the .033" initial height offset of the 0913-0 (.288") and 0907-0 (.255")
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- 0907-0 spring pins have .0275" mid stroke and .055" max. stroke, 0913-0 spring pin have .045" mid stroke and .090" max. stroke
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- Insulators are high temperature thermoplastic

### SINGLE ROW Series 812



Coplanarity .005". For Pin Counts >10 positions consult Technical Support

## ORDERING INFORMATION

### Single Row Series 812

812-22-0XX-30-030101

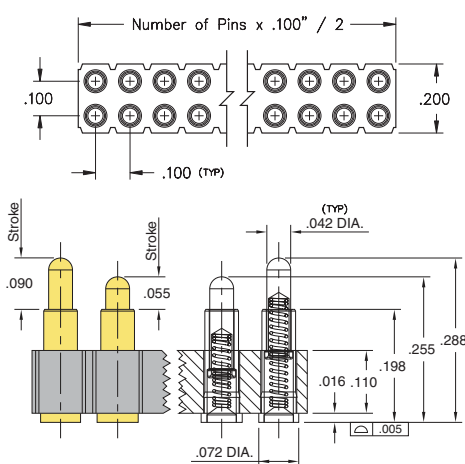
Specify number of contacts 03-10

### Double Row Series 814

814-22-0XX-30-030101

Specify number of contacts 06-20

### DOUBLE ROW Series 814



Coplanarity .005". For Pin Counts >20 positions consult Technical Support

## 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 (0907-0 & 0913-0): 25 grams  
Spring force @ mid stroke (0907-0 & 0913-0): 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

