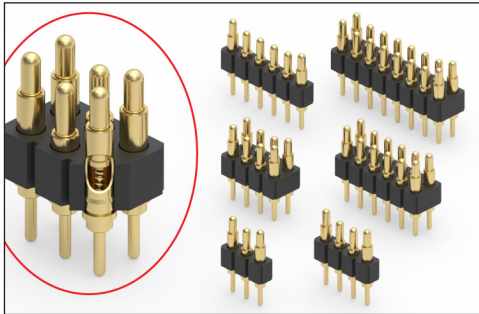


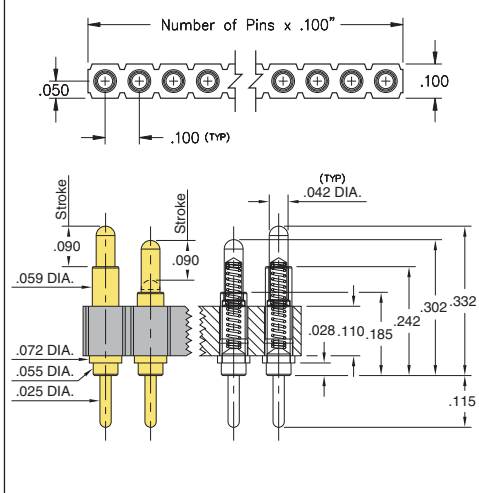
# SPRING-LOADED CONNECTORS

## SERIES 825 & 827 • .100" GRID THROUGH-HOLE MOUNT, FIRST MATE/LAST BREAK • SINGLE AND DOUBLE ROW STRIPS

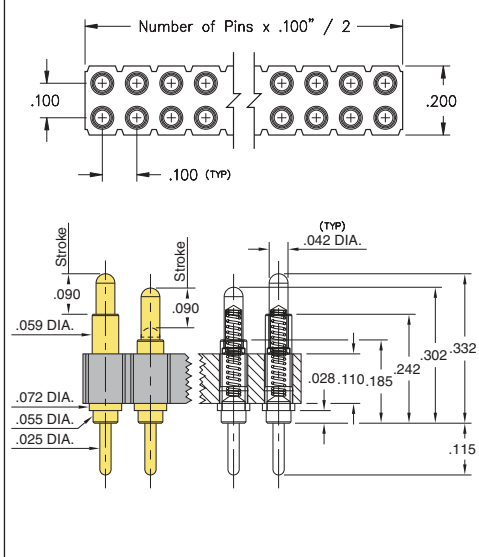


- Modular contacts for use on .100" grid, supplied in single and double row contact strips
- Taller pins in the end positions make contact first and break contact last to address applications where connection sequence is required
- Each pin has a full stroke capability of .090", allowing all pins to be compressed to the rated mid stroke while accounting for the .030" initial height offset of the 0914-1 (.332") and 0914-0 (.302")
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- Pistons have a .045" mid. stroke and a .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 825



### DOUBLE ROW Series 827



## ORDERING INFORMATION

### Single Row Series 825

825-22-0XX-10-020101

Specify number of contacts 03-10

### Double Row Series 827

827-22-0XX-10-020101

Specify number of contacts 06-20

## 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 (.045"): 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

