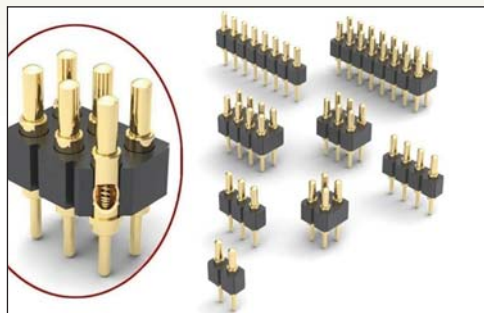


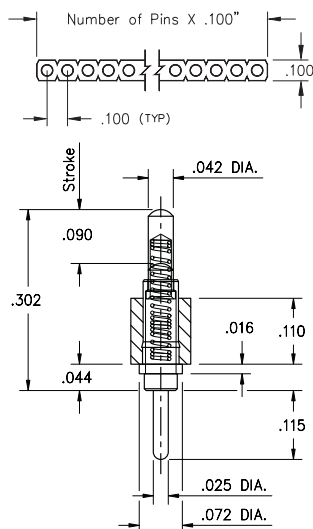
# SPRING-LOADED CONNECTORS

## SERIES 825 & 827 • .100" GRID THROUGH-HOLE MOUNT, LONG STROKE • SINGLE AND DOUBLE ROW STRIPS

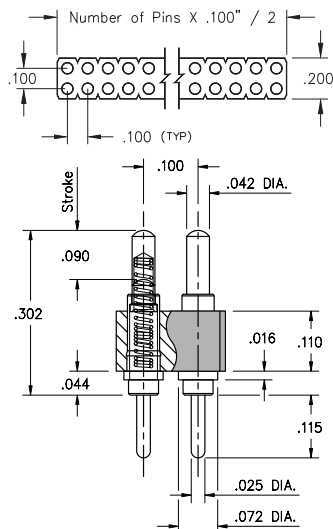


- Modular contacts for use on .100" grid, available in a height of .302", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a .045" mid. stroke and a .090" max. stroke
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for surface mount processes
- Both 825 & 827 series contact strips are designed for manual placement into  $\varnothing .030 \pm .003$ " plated through-holes in the circuit board prior to hand, wave or reflow soldering

### SINGLE ROW Series 825



### DOUBLE ROW Series 827



## ORDERING INFORMATION

### Single Row Series 825

825-22-0XX-10-001101

Specify number of contacts 02-64

### Double Row Series 827

827-22-0XX-10-001101

Specify number of contacts 04-72

## Technical Specifications

### Materials:

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

### Mechanical:

Spring force @ initial height: 25 grams  
 Spring force @ mid stroke (.045"): 60 grams  
 Durability: 1,000,000 cycles

### Electrical:

Voltage rating: 100Vrms/150Vdc  
 Current rating: 2A (continuous), 3A (peak) per contact  
 Contact resistance: 20m $\Omega$  max.  
 Insulation resistance: 10,000M $\Omega$  min.  
 Dielectric strength: 700Vrms min.  
 Capacitance: 1pF max.

RoHS-2  
2011/65/EU

