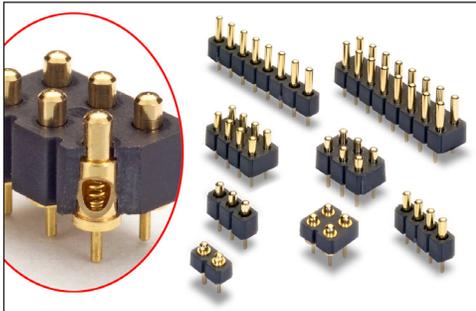


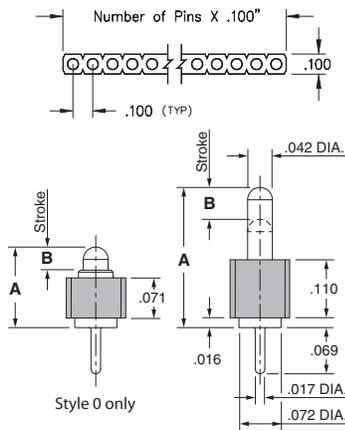
# SPRING-LOADED CONNECTORS

## SERIES 821 & 823 • .100" GRID THROUGH-HOLE MOUNT • SINGLE AND DOUBLE ROW STRIPS

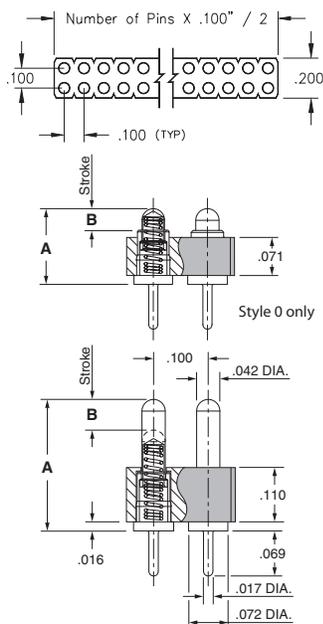


- Modular contacts for use on .100" grid, available in five heights from .137" to .236", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a long stroke relative to the low profile of 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 821 & 823 series contact strips are designed for manual placement into  $\varnothing .022 \pm .003$ " plated through-holes in the circuit board prior to hand, wave or reflow soldering

### SINGLE ROW Series 821



### DOUBLE ROW Series 823



## ORDERING INFORMATION

### Single Row Series 821

821-22-0XX-10-00X101

Specify number of contacts 02-64      Specify contact style 0-4

### Double Row Series 823

823-22-0XX-10-00X101

Specify number of contacts 04-72      Specify contact style 0-4

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 $\mu$ " 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 (A): 25 grams  
 Spring force @ mid stroke (B/2): 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



# Mouser Electronics

Authorized Distributor

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

## Mill-Max:

[821-22-064-10-002101](#) [821-22-064-10-000101](#) [821-22-064-10-004101](#) [821-22-064-10-003101](#) [821-22-064-10-001101](#) [823-22-072-10-003101](#) [823-22-072-10-004101](#) [823-22-072-10-000101](#) [823-22-072-10-002101](#) [823-22-072-10-001101](#) [823-22-020-10-003101](#) [821-22-004-10-001101](#) [823-22-006-10-001101](#) [823-22-006-10-000101](#) [821-22-012-10-003101](#) [821-22-004-10-004101](#)