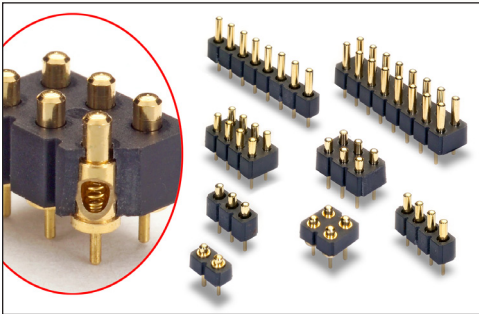


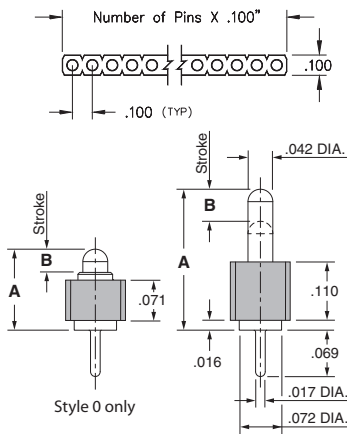
# SPRING-LOADED CONNECTORS

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

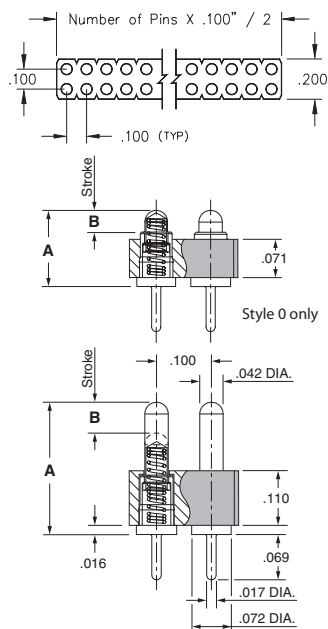


- Modular contacts for use on .100" grid, available in five heights from .137" to .236", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- Pistons have a long stroke relative to the low profile 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 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: Up to 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](#) [821-22-034-10-004101](#) [821-22-060-10-002101](#) [821-22-045-10-002101](#) [821-22-007-10-002101](#) [821-22-008-10-000101](#) [821-22-024-10-001101](#) [821-22-044-10-004101](#) [821-22-028-10-001101](#) [821-22-017-10-000101](#) [821-22-005-10-002101](#) [821-22-060-10-001101](#) [821-22-033-10-000101](#) [821-22-039-10-001101](#) [821-22-010-10-001101](#) [821-22-028-10-004101](#) [821-22-034-10-001101](#) [821-22-019-10-003101](#) [821-22-054-10-003101](#) [821-22-014-10-002101](#) [821-22-035-10-001101](#) [821-22-005-10-000101](#) [821-22-050-10-002101](#) [821-22-022-10-001101](#) [821-22-010-10-003101](#) [821-22-004-10-003101](#) [821-22-045-10-004101](#) [821-22-029-10-000101](#) [821-22-029-10-004101](#) [821-22-036-10-002101](#) [821-22-051-10-001101](#) [821-22-062-10-002101](#) [821-22-020-10-002101](#) [821-22-009-10-001101](#) [821-22-046-10-000101](#) [821-22-063-10-002101](#) [821-22-036-10-003101](#) [821-22-026-10-001101](#) [821-22-012-10-001101](#) [821-22-063-10-003101](#) [821-22-009-10-000101](#) [821-22-049-10-001101](#) [821-22-048-10-001101](#) [821-22-017-10-001101](#) [821-22-029-10-003101](#) [821-22-012-10-004101](#) [821-22-050-10-000101](#) [821-22-027-10-001101](#) [821-22-031-10-004101](#) [821-22-062-10-001101](#) [821-22-033-10-003101](#) [821-22-045-10-001101](#) [821-22-047-10-004101](#) [821-22-057-10-003101](#) [821-22-003-10-003101](#) [821-22-059-10-004101](#) [821-22-048-10-004101](#) [821-22-039-10-003101](#) [821-22-046-10-003101](#) [821-22-054-10-001101](#) [821-22-013-10-000101](#) [821-22-015-10-003101](#) [821-22-055-10-001101](#) [821-22-012-10-000101](#) [821-22-025-10-002101](#) [821-22-007-10-003101](#) [821-22-043-10-003101](#) [821-22-057-10-000101](#) [821-22-021-10-003101](#) [821-22-018-10-002101](#) [821-22-050-10-003101](#) [821-22-045-10-003101](#) [821-22-039-10-002101](#) [821-22-027-10-000101](#) [821-22-038-10-002101](#) [821-22-049-10-004101](#) [821-22-036-10-001101](#) [821-22-006-10-001101](#) [821-22-008-10-001101](#) [821-22-015-10-002101](#) [821-22-008-10-003101](#) [821-22-058-10-002101](#) [821-22-003-10-001101](#) [821-22-013-10-004101](#) [821-22-008-10-004101](#)