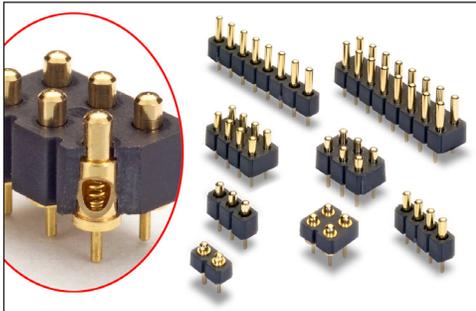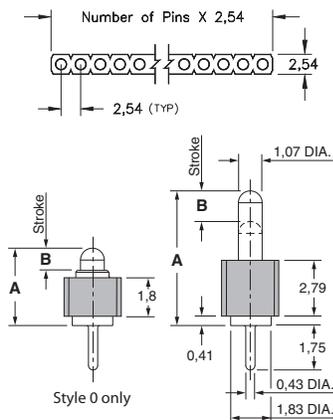# SPRING-LOADED CONNECTORS

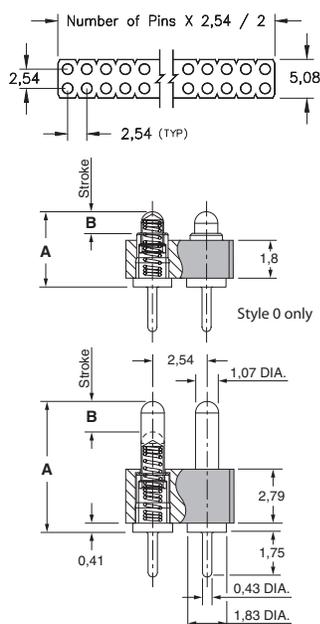## SERIES 821 & 823 • 2,54 GRID THROUGH-HOLE MOUNT • SINGLE AND DOUBLE ROW STRIPS

- Modular contacts for use on 2,54 grid, available in five heights from 3,48 to 5,99, 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 Ø 0,56±0,08 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	3,48	0,99
1	4,50	1,14
2	5,0	1,39
3	5,51	1,39
4	5,99	1,39

Technical Specifications

Materials:
Contact piston & base: Machined copper alloy plated 0,51μm gold over 2,54μm nickel
Spring: Beryllium copper-plated 0,25μm 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 (continous), 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

Mouser Electronics

Authorized Distributor

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

[Mill-Max](#):

821-22-002-10-002-101   821-22-004-10-000-101   821-22-009-10-004101   821-22-005-10-004101   823-22-016-10-003101   821-22-003-10-002101   821-22-010-10-002101   821-22-006-10-002101   821-22-022-10-003101   821-22-006-10-000101   823-22-064-10-004101   823-22-006-10-002101   821-22-002-10-003101   823-22-016-10-000101   821-22-006-10-004101   821-22-008-10-002101   823-22-058-10-001101   823-22-016-10-001101   821-22-002-10-000101   823-22-010-10-003101   821-22-010-10-004101   821-22-010-10-000101   821-22-009-10-002101   821-22-003-10-000101   821-22-007-10-000101   821-22-002-10-001101   823-22-012-10-002101   823-22-016-10-002101   823-22-006-10-004101   823-22-004-10-003101