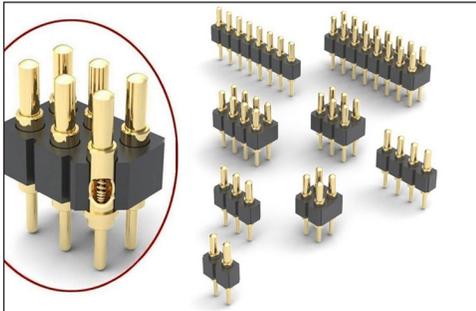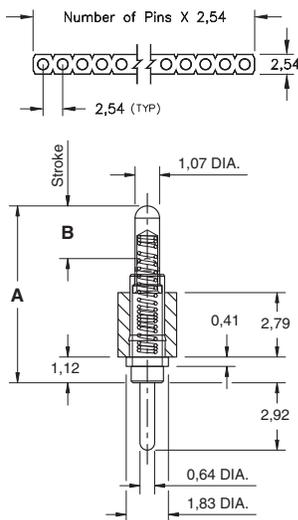# SPRING-LOADED CONNECTORS

SERIES 825 & 827 • 2,54 GRID THROUGH-HOLE MOUNT, LONG STROKE • SINGLE AND DOUBLE ROW STRIPS
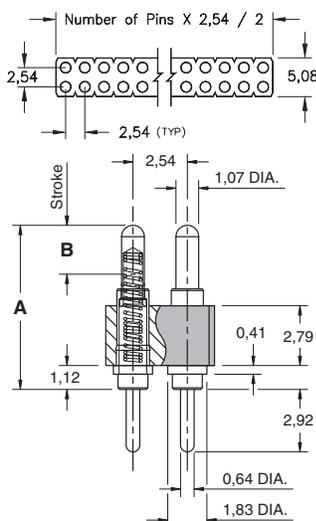

- Modular contacts for use on 2,54 grid, available in four heights from 7,67 to 9,96, supplied in single and double row contact strips

- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability

- Pistons have a 1,14 mid. stroke and a 2,29 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 Ø0,76±0,08 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-10-00X101
Specify number of contacts 02-64 → ↑ ⌐ **Specify contact style** 1-4

Double Row Series 827
827-22-0XX-10-00X101
Specify number of contacts 04-72 → ↑ ⌐ **Specify contact style** 1-4

CONTACT STYLE	INITIAL HEIGHT A	MAX. STROKE B
1	7,67	2,29
2	8,43	2,29
3	9,19	2,29
4	9,96	2,29

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: Up to 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](#):
  827-22-004-10-001101 827-22-006-10-004101 827-22-020-10-003101 827-22-010-10-001101 827-22-008-10-001101 827-22-024-10-001101 827-22-016-10-001101 827-22-014-10-001101 827-22-060-10-001101