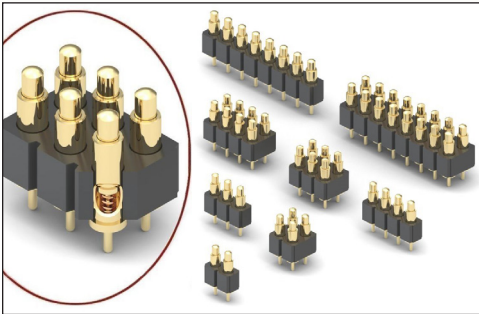


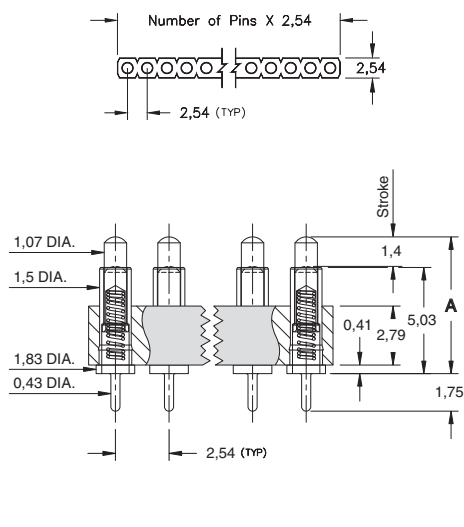
# SPRING-LOADED CONNECTORS

## SERIES 816 & 818 • 2,54 GRID THROUGH-HOLE MOUNT, MID PROFILE • SINGLE AND DOUBLE ROW STRIPS



- Modular contacts for use on 2,54 grid, available in ten heights from 6,48 to 10,92, 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 0,7 mid stroke & 1,4 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 816 & 818 series contact strips are designed for manual placement into  $\varnothing 0,58 \pm 0,08$  plated through-holes in the circuit board prior to intrusive reflow soldering

### SINGLE ROW Series 816...00X101



## ORDERING INFORMATION

### Single Row Series 816...00X101

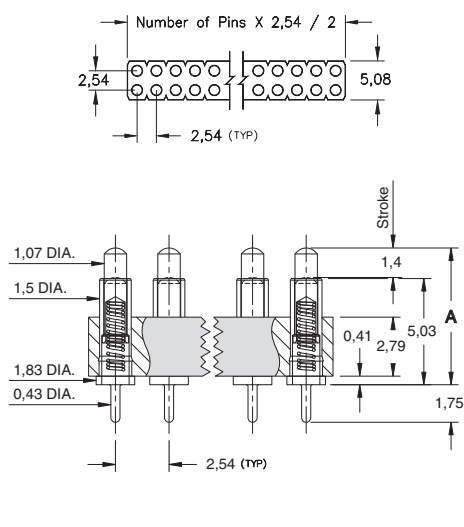
816-22-0XX-10-00X101  
 Specify number of contacts 02-64      Specify contact style 0-9

### Double Row Series 818...00X101

818-22-0XX-10-00X101  
 Specify number of contacts 04-72      Specify contact style 0-9

CONTACT STYLE	INITIAL HEIGHT A	CONTACT STYLE	INITIAL HEIGHT A
0	6,48	5	8,89
1	6,99	6	9,4
2	7,49	7	9,91
3	8,0	8	10,41
4	8,51	9	10,92

### DOUBLE ROW Series 818...00X101



### Technical Specifications

#### Materials:

Contact piston & base: Machined copper alloy plated 0,51  $\mu\text{m}$ , gold over 2,54  $\mu\text{m}$  nickel  
 Spring: Beryllium copper-plated 0,25  $\mu\text{m}$  gold  
 Insulator: High temperature thermoplastic, rated UL94 V-0

#### Mechanical:

Spring force @ initial height (A): 25 grams  
 Spring force @ mid stroke (0,7): 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



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