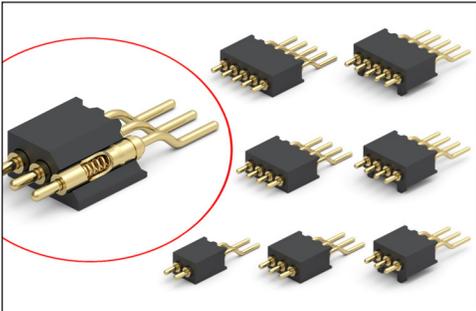


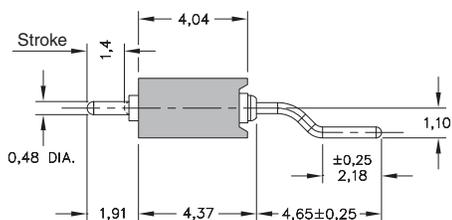
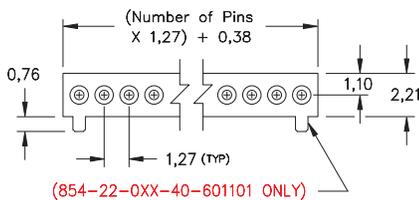
# SPRING-LOADED CONNECTORS

## SERIES 854 • 1,27 GRID Z-BEND SURFACE MOUNT • SINGLE ROW STRIPS

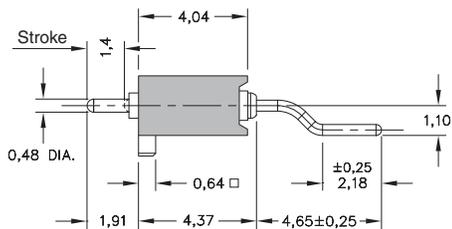


- Modular contacts for use on 1,27 grid, supplied in single row contact strips. Piston action is parallel to the board surface
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a 0,7 mid. stroke & 1,4 max. stroke
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for surface mount soldering processes
- 854 series contact strips are designed for SMT termination onto printed circuit boards

### SINGLE ROW Series 854



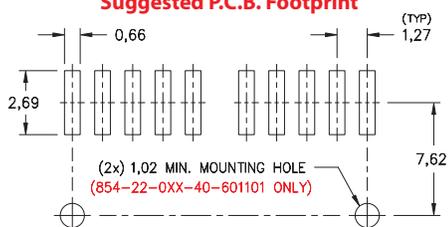
**854 Series without Mounting Pegs**



**854 Series with Mounting Pegs**

Coplanarity 0,13. For pin counts >20 positions, consult Technical Support.

### Suggested P.C.B. Footprint



## ORDERING INFORMATION

### Single Row Series 854

854-22-0XX-40-001101

Specify number of contacts 01-20

### Single Row with Mounting Pegs Series 854

854-22-0XX-40-601101

Specify number of contacts 01-20

## Technical Specifications

### Materials:

Contact piston & base: Machined copper alloy plated 0,51 μm gold over 2,54 μm nickel  
 Spring: Beryllium copper-plated 0,25 μm gold  
 Insulator: High temperature thermoplastic, rated UL94 V-0

### Mechanical:

Spring force @ initial height: 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: 20mΩ max.  
 Insulation resistance: 10,000MΩ min.  
 Dielectric strength: 700Vrms min.  
 Capacitance: 1pF max.

RoHS-2  
2011/65/EU



# Mouser Electronics

Authorized Distributor

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