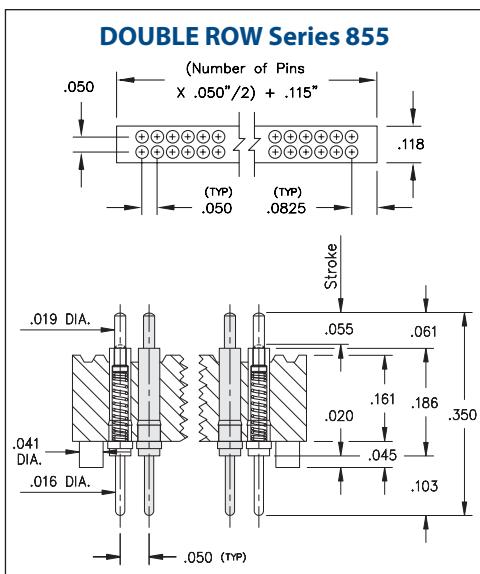
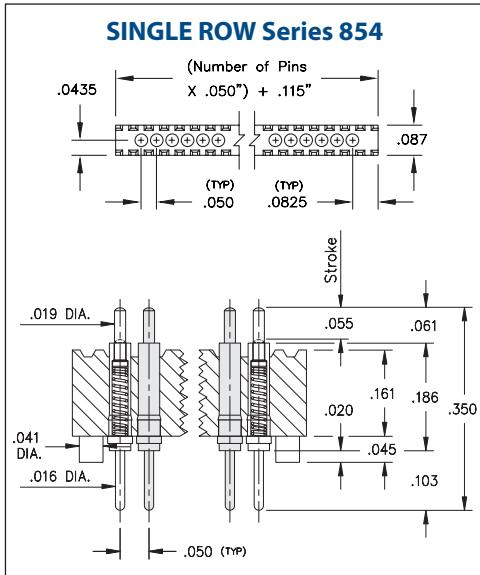
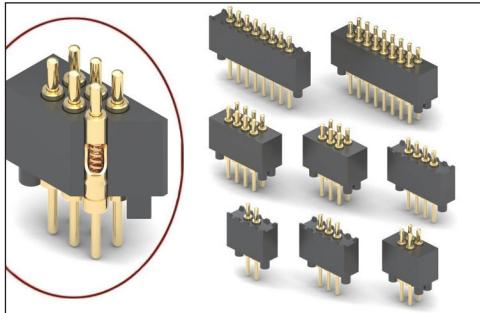


# SPRING-LOADED CONNECTORS

## SERIES 854 & 855 • .050" GRID THROUGH-HOLE MOUNT • SINGLE AND DOUBLE ROW STRIPS



- Modular contacts for use on .050" grid, 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 .0275" mid. stroke and a .055" max. stroke
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for wave and reflow processes
- Both 854 & 855 series contact strips are designed for manual placement into  $\varnothing .023 \pm .003$ " plated through-holes in the circuit board prior to hand, wave or reflow soldering

## ORDERING INFORMATION

### Single Row Series 854

854-22-0XX-10-001101

Specify number of contacts 02-20

### Double Row Series 855

855-22-0XX-10-001101

Specify number of contacts 04-40

## 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: 25 grams  
Spring force @ mid stroke (.0275"): 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.

