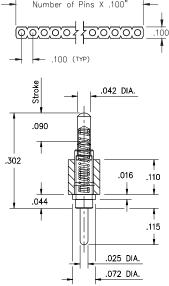


## SPRING-LOADED CONNECTORS Through Hole Mount Single and Double Row Strips

- Modular contacts for use on .100" grid, available in a height of .302", supplied in single and double row contact strips.
- Precision-machined piston / base and gold plated components assure a 1,000,000 min. cycle life.
- Pistons have a .045 mid stroke & .090 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.
- 825 & 827 series contact strips are designed for manual placement into Ø .030±.003" plated-thruholes in the circuit board prior to hand, wave or reflow soldering.



### SINGLE ROW Series 825 Number of Pins X .100"



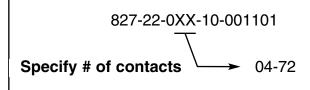
#### **Ordering Information**

# Fig. 1 825-22-0XX-10-001101 Specify # of contacts 02-64

#### **Double Row Series 827**

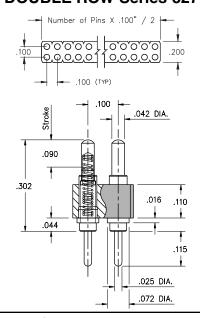
Single Row Series 825

Fig. 2



Technical Specifications

#### **DOUBLE ROW Series 827**



#### Materials:

Contact piston & Base: Machined copper alloy plated 20µ" gold

over 100µ" nickel

Spring: Beryllium copper plated 10µ" gold

Insulator: High temp. 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 min.

#### Electrical:

Voltage rating: 100Vrms/150Vdc

Current rating: 2A (continous), 3A (peak) per contact

Contact resistance:  $20m\Omega$  max. Insulation resistance:  $10,000M\Omega$  min. Dielectric strength: 700Vrms min.

Capacitance: 1pF max.

