SPRING-LOADED CONNECTORS

SERIES 867 • .100" GRID WIRED CRIMP CONNECTOR • SINGLE ROW STRIPS

867 series are spring loaded crimp connectors pre-wired with 24 AWG stranded conductors; one red, one black. The wire is per UL1007 with PVC insulation and 7/32 stranding. The ends are stripped to a length of .140" with slug on.

The connector design maintains the pins in the housing when pull force is applied to the wires.

Precision-machined piston / base and gold-plated components assure up to 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.

Insulators are high temperature thermoplastic, pin spacing is .100".

ORDERING INFORMATION

Single Row Wired Crimp Series 867

867-22-002-70-501010

Technical Specifications

Materials:
- Contact piston & base: Machined copper alloy plated 20μ" gold over 100μ" nickel
- Spring: Beryllium copper-plated 10μ" gold
- Insulator: High temperature thermoplastic, rated UL94 V-0

Mechanical:
- Spring force @ initial height: 25 grams
- Spring force @ mid stroke (.0275"): 60 grams
- Durability: Up to 1,000,000 cycles
- Wire retention: 8 pounds minimum

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.