

MAXIMUM SOLUTIONS

Mill-Max Introduces Pre-Wired Spring-Loaded Connectors

A value-added solution for spring-loaded wired applications



Announcing the release of a new pre-wired spring-loaded connector, a two-position header with crimp terminated wires. This product combines high quality Mill-Max spring-loaded pogo pins with the convenience of a 12" pig-tail to suit a wide variety of applications.

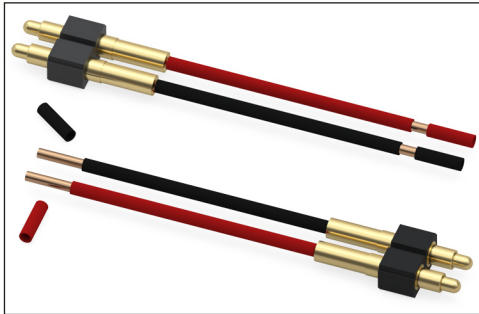
The new 867-22-002-70-501010 connector is a cost-effective solution when a wired connection is required in an electrical assembly. Crimping wires to a connector comes with challenges: gang crimping tooling is not readily available and the alternative, crimp and poke connectors, can be time consuming and labor-intensive to use. This connector eliminates those issues and is ready to use in a host of wire termination applications. The open end wire offers flexible termination possibilities such as soldering, crimping, splicing or connecting to a terminal block. The 867 series uses high reliability Mill-Max spring-loaded pins making it an excellent choice for battery charging, low-power delivery and quick connect purposes.

The connector features precision-machined and gold-plated spring pins on .100" (2.54 mm) centers, each having a maximum stroke of .055" (1.4 mm), with a connector housing molded from high temperature thermoplastic. The two-wire pig-tail is made from 24 AWG stranded conductors; one red, one black, 12" (305 mm) long. The wire is per UL1007 with PVC insulation and 7/32 stranding. Each wire end is stripped to a length of .140" (3.56 mm) with slug on to prevent fraying. The wire retention of the crimp joint is 8 pounds (3.63 kg) minimum and there is a positive stop inside the connector so the pins cannot be dislodged if pull force is applied to the wires.

For more information, please visit www.mill-max.com/PR694.

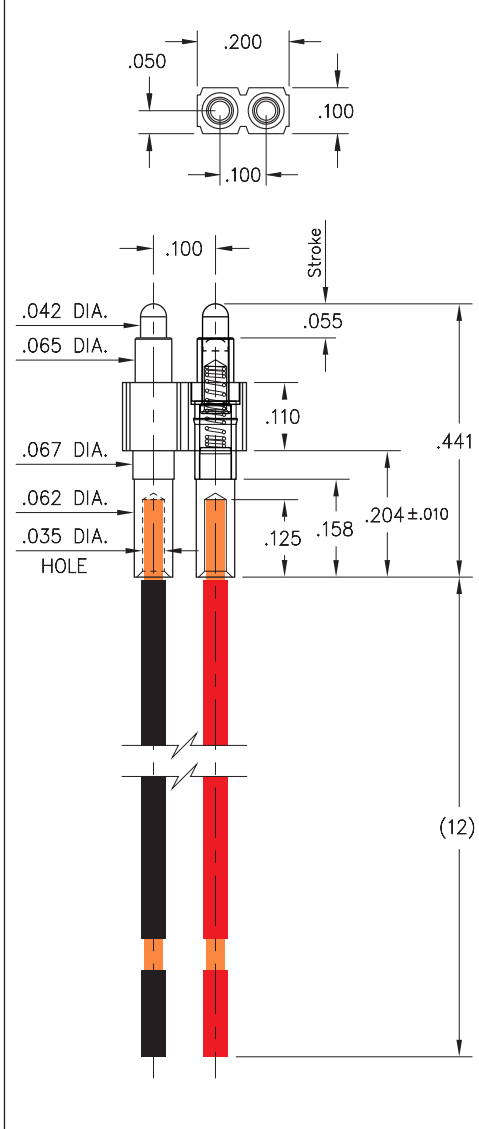
SPRING-LOADED CONNECTORS

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"

SINGLE ROW Series 867



ORDERING INFORMATION

Single Row Wired Crimp Series 867

867-22-002-70-501010

Technical Specifications

Materials:

Contact piston & base: Machined copper alloy plated 20 μ " gold over 100 μ " nickel
 Spring: Beryllium copper-plated 10 μ " 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: 20m Ω max.
 Insulation resistance: 10,000M Ω min.
 Dielectric strength: 700Vrms min.
 Capacitance: 1pF max.

RoHS - 2
2011/65/EU

