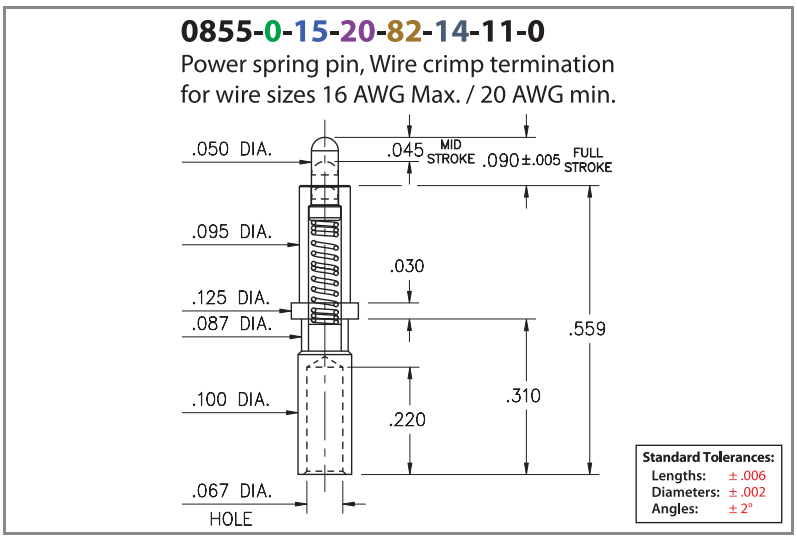
PRODUCT NUMBER: 0855-0-15-20-82-14-11-0



DESCRIPTION

Spring-Loaded Pin for Crimp Termination

Durability:

100,000 to 1,000,000 Cycles @ Mid-Stroke

Current Rating:

See Spring Derating Curve

Operating Temperature Range:

-55/+125° C

Vibration:

No Elect. Discontinuity > 1µs @ 10-2000HZ, 20 G

Shock:

No Elect. Discontinuity > 1µs @ 50g

Mounting Feature:

Wire Mount

Wire Termination:

Crimp 16-20 AWG

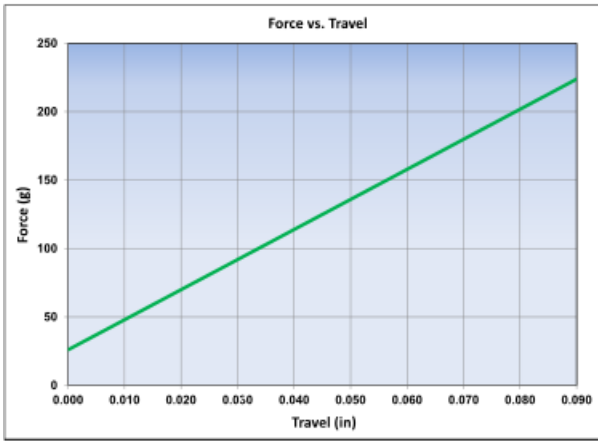
Tail Type: Crimp

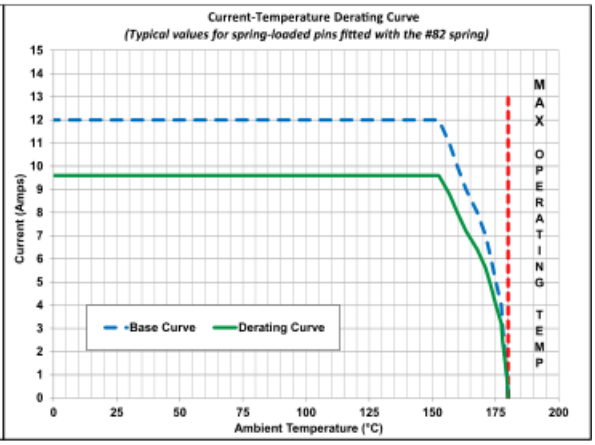
Packaging: 15 - Packaged in Bulk

Shell Plating	Spring Plating	ROHS
20 µ" Gold over Nickel	10 µ" Gold over Nickel	RoHS-2 2011/65/EU

SPRING:

#82 SPRING HIGH FORCE SPRING	Full Stroke Capability : .090"± .005" [2,29 ± 0,127]
Spring Material : Stainless Steel 302	Force @ Mid. Stroke : 120 g ± 20 g
Mid. Stroke : .045" [1,14]	Initial Force (Pre-Load) : 25 g





The stroke, force and current rating values are measured using spring pins with an internal construction per the design specification. Individual spring pin performance may vary from these values based on design differences.

Material	Stainless Steel	**Grams Force**	120
Max Stroke	0.09		

Maximum Current 12A @ 30˚ C Temp. Rise

Maximum Operating Temp @ Max Current150.00˚ C

20% De-rated Maximum Current 9.60A

Contact Resistance 20.00mΩ Max

CONTACT MATERIAL:

Stainless Steel 302/304 per ASTM A313

This is an austenitic stainless steel round wire especially for the manufacturing of springs. It is a grade that is age hardenable with superior corrosion resistance.

PHYSICAL PROPERTIES

- Density: 0.29 lb/in³ (8.03 g/cm³)
- Tensile Strength: 325 – 355 ksi

CHEMICAL PROPERTIES (%)

- Carbon: .08 max
- Manganese: 2.00 max.
- Phosphorus: .045 max.
- Sulfur: .030 max.
- Silicon: 1.00 max.
- Chromium: 18.0 – 20.0
- Nickel: 8.0 – 10.5

STANDARD TOLERANCES ON PCB TERMINAL PINS & RECEPTACLES

Diameters +/-.002"
Lengths +/-.005"
Angles +/- 2°

STANDARD TOLERANCES ON SPRING-LOADED PINS

Diameters +/-.002"
Lengths +/-.006"
Angles +/- 2°

ADDITIONAL NOTES & SPECIFICATIONS

In the interest of improved design, quality and performance , Mill-Max reserves the right to make changes in its specifications without prior notice. Specifications and tolerances are provided wherever possible. The tolerance on dimensions of critical to function features is typically held tighter than the stated standard tolerances, such as press-fits, holes and lengths affecting the coplanarity of SMT products. Due to the wide variety of interconnects Mill-Max offers, the specific tolerances vary from product to product. If you need information regarding the tolerance of a particular part, please contact Technical Services.

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