

MAXIMUM SOLUTIONS

Crimp and Solder Cup Spring Pins

For customers looking for a spring method to connect a Mill-Max Spring-loaded Connector to a wire or cable, Mill-Max is pleased to announce two new innovative designs.

Mill-Max's **0962** spring pin offers the advantages of both a compression spring connection on one end and a wire termination on the other. The .042" (1.07 mm) diameter plunger performs with the same typical reliability Mill-Max customers have come to expect with any of its spring pin products. Rated at one million cycles minimum, it is as robust as any spring pin offered anywhere. It has the unique feature of a crimp-barrel tail that can accommodate stranded or solid copper wires up to 22 gage.



Plated with 20 μ " of gold over nickel on each precision-machined component and 10 μ " of gold over nickel on the beryllium copper spring, the 0962 is as durable as it is multi-faceted.

If soldering is preferred, Mill-Max's **0933** is the perfect choice. With all the reliability characteristics of the 0962, the 0933 has the proven solder-cup design utilized by numerous Mill-Max pins and receptacles and can accommodate up to 22 gage stranded wire or solid copper wires.

Mill-Max also offers the ideal complement to the 0962 and 0933 spring pins. Our **3000** Target Pin acts as both a mate to the plunger of the 0962/ 0933 while also offering a wire termination as its crimp-barrel feature on the back end of the pin can accommodate the same wire sizes the 0962 can. Mating the 0962/ 0933 with the 3000 turns a pair of discrete wires into a highly-reliable spring-loaded interconnection.

For more information and to order free samples, visit: www.mill-max.com/PR614.

(7/14 -- PR614)

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SPRING-LOADED PINS

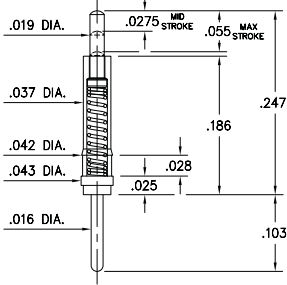
DISCRETE SPRING-LOADED CONTACTS

0985

0985-0-15-20-71-14-11-0

Standard stroke

Solder mount in .019 min. mounting hole

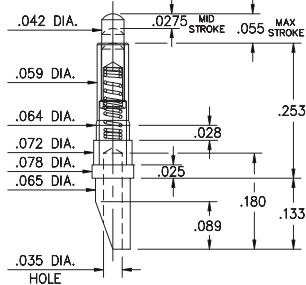


0933

0933-0-15-20-75-14-11-0

Standard stroke, Soldercup

Accepts wire sizes up to .025" Dia.

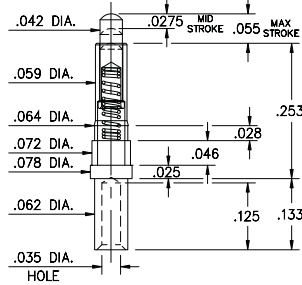


0962

0962-0-15-20-75-14-11-0

Standard stroke, Wire termination for

wire sizes 24 AWG Max. / 28 AWG Min.



Material Specifications:

Sleeve & Plunger Material: Copper Alloy

Spring Material: Beryllium Copper

Sleeve & Plunger Finish: 20 μ" Gold over Nickel

Spring Finish: 10 μ" Gold over Nickel

Dimensions: Inches

Tolerances On: Lengths: ± .006

Diameters: ± .002

Angles: ± 2°



Mechanical & Electrical Specifications:

Durability: 1,000,000 cycles

Current Rating: 2A continuous, 3A peak

Contact Resistance: 20 mΩ max.

Environmental Specifications:

Operating temperature range: -55/+125° C

71, 75 Springs are not interchangeable

Order Code: 09XX - X - 15 - 20 - **7X** - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
71	.0275	.055	50 g	15 g
75	.0275	.055	60 g	25 g

