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MAXIMUM solutions

Mill-Max Offers New Crimp and Solder Cup Spring Pins

For customers looking for a spring way 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 20µ" of gold over nickel on each precision-machined component and 10µ" 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: mill-max.com/PR614.

(10/10 -- 614)

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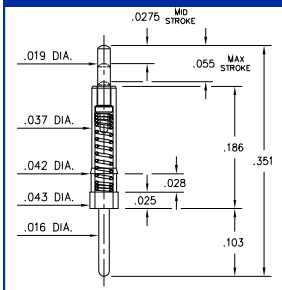
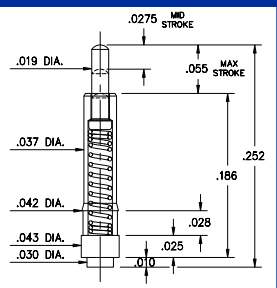
MILL-MAX®
Maximum Interconnect Solutions

0950



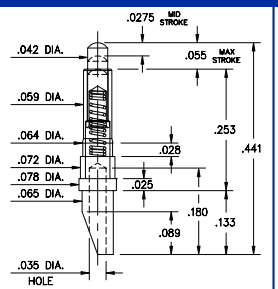
0950-0-15-20-71-14-11-0
Standard Stroke
Solder Mount in .018 min. mounting hole

0951



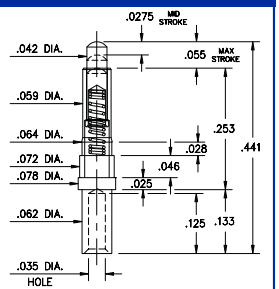
0951-0-15-20-71-14-11-0
Standard Stroke, Surface mount
High profile

0933



0933-0-15-20-75-14-11-0
Standard Stroke, SolderCup
For Wire Termination

0962



0962-0-15-20-75-14-11-0
Standard Stroke, Crimp Barrel
For Wire Termination

ORDER CODE: 09XX - X - 15 - 20 - 7X - 14 - 11 - 0

Spring Number

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
DIMENSION IN INCHES:
TOLERANCES ON: LENGTHS: ±.006
DIAMETERS: ±.002
ANGLES: ± 2°

RoHS 2002/95/EC

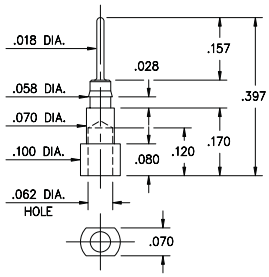
MECHANICAL & ELECTRICAL SPECIFICATIONS:

DURABILITY: 1,000,000 cycles
CURRENT RATING: 2A continuous, 3A peak
CONTACT RESISTANCE: 20 mΩ max.

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

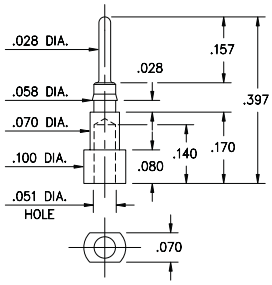
Springs are not Interchangeable

5102



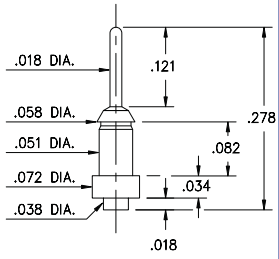
5102-0-00-XX-00-00-33-0
Press-fit in .057 mounting hole

1502



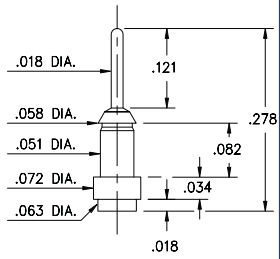
1502-0-00-XX-00-00-03-0
Press-fit in .057 mounting hole

2956-0



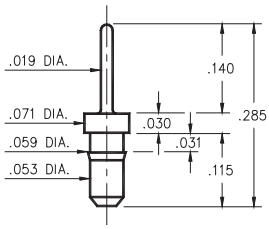
2956-0-00-XX-00-00-03-0
Surface mount

2956-1



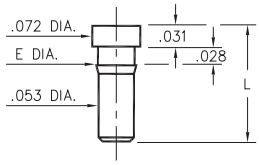
2956-1-00-XX-00-00-03-0
Surface mount

8876



8876-0-00-XX-00-00-03-0
Press-fit in .057 mounting hole

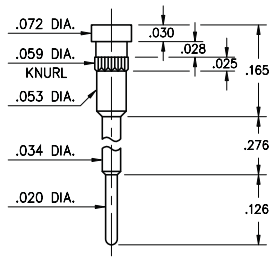
0259/0286/1941



Basic Part Number	Length L	Barb Dia. E	Mounting Hole
0259-0	.173	.062	.059
0286-0	.115	.060	.057
1941-0	.169	.058	.057

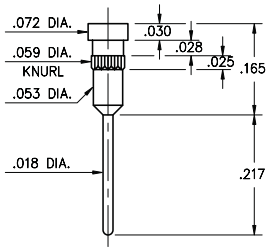
02XX-0-00-XX-00-00-03-0
Press-fit in .057/.059 mounting hole

1938



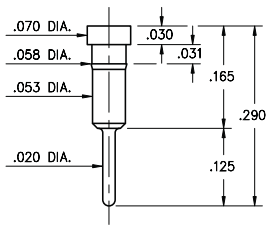
1938-0-00-XX-00-00-03-0
Press-fit in .057 mounting hole

1940



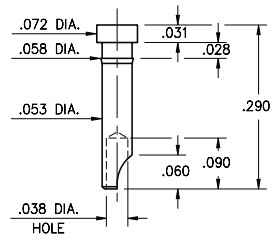
1940-0-00-XX-00-00-03-0
Press-fit in .057 mounting hole

1942



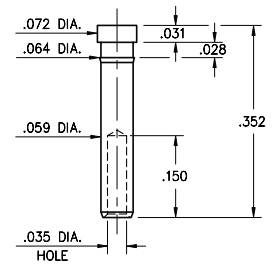
1942-0-00-XX-00-00-03-0
Press-fit in .057 mounting hole

3024



3024-0-01-XX-00-00-03-0
Press-fit in .057 mounting hole

3000



3000-0-00-XX-00-00-03-0
Press-fit in .061 mounting hole

SPECIFICATIONS

PIN MATERIAL:
Brass Alloy 360, 1/2 Hard
(Except Swage pins which are annealed)

DIMENSION IN INCHES
TOLERANCES ON:
LENGTHS: ±.005
DIAMETERS: ±.002
ANGLES: ± 2°

ORDER CODE: XXXX - X - XX - XX - 00 - 00 - 0X - 0

BASIC PART #

SPECIFY PIN FINISH:
01 200 µ" TIN/LEAD OVER NICKEL
80 200 µ" TIN OVER NICKEL ◇
15 10 µ" GOLD OVER NICKEL ◇
21 20 µ" GOLD OVER NICKEL ◇
34 50 µ" GOLD OVER NICKEL ◇

RoHS 2002/95/EC