

MAX 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 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: mill-max.com/PR614.

(10/10 -- 614)

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SPRING-LOADED CONNECTORS
Discrete Spring-Loaded Contacts



0950	0951	0933	0962
<p>0950-0-15-20-71-14-11-0 Standard Stroke Solder Mount in .018 min. mounting hole</p>	<p>0951-0-15-20-71-14-11-0 Standard Stroke, Surface mount High profile</p>	<p>0933-0-15-20-75-14-11-0 Standard Stroke, SolderCup For Wire Termination</p>	<p>0962-0-15-20-75-14-11-0 Standard Stroke, Crimp Barrel For Wire Termination</p>

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<p>ORDER CODE: 09XX - X - 15 - 20 - 7X - 14 - 11 - 0 Spring Number </p> <p>MATERIAL SPECIFICATIONS: SLEEVE & PLUNGER MATERIAL: Copper Alloy SPRING MATERIAL: Beryllium Copper SLEEVE & PLUNGER FINISH: 20 μm Gold over Nickel SPRING FINISH: 10 μm Gold over Nickel DIMENSION IN INCHES: TOLERANCES ON: LENGTHS: ±.006 DIAMETERS: ±.002 ANGLES: ± 2°</p>	<p>MECHANICAL & ELECTRICAL SPECIFICATIONS: DURABILITY: 1,000,000 cycles CURRENT RATING: 2A continuous, 3A peak CONTACT RESISTANCE: 20 mΩ max.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>SPRING NUMBER</th> <th>Mid. STROKE</th> <th>Max. STROKE</th> <th>FORCE @ Mid. Stroke</th> <th>Initial Force (Pre-load)</th> </tr> </thead> <tbody> <tr> <td>71</td> <td>.0275</td> <td>.055</td> <td>50 g</td> <td>15 g</td> </tr> <tr> <td>75</td> <td>.0275</td> <td>.055</td> <td>60 g</td> <td>25 g</td> </tr> </tbody> </table> <p style="text-align: center;">Springs are not interchangeable</p>	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
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												



<p>5102</p> <p>5102-0-00-XX-00-00-33-0 Press-fit in .057 mounting hole</p>	<p>1502</p> <p>1502-0-00-XX-00-00-03-0 Press-fit in .057 mounting hole</p>	<p>2956-0</p> <p>2956-0-00-XX-00-00-03-0 Surface mount</p>	<p>2956-1</p> <p>2956-1-00-XX-00-00-03-0 Surface mount</p>
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<p>8876</p> <p>8876-0-00-XX-00-00-03-0 Press-fit in .057 mounting hole</p>	<p>0259/0286/1941</p> <table border="1"> <thead> <tr> <th>Basic Part Number</th> <th>Length L</th> <th>Barb Dia. E</th> <th>Mounting Hole</th> </tr> </thead> <tbody> <tr> <td>0259-0</td> <td>.173</td> <td>.062</td> <td>.059</td> </tr> <tr> <td>0286-0</td> <td>.115</td> <td>.060</td> <td>.057</td> </tr> <tr> <td>1941-0</td> <td>.169</td> <td>.058</td> <td>.057</td> </tr> </tbody> </table> <p>02XX-0-00-XX-00-00-03-0 Press-fit in .057/.059 mounting hole</p>	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	<p>1938</p> <p>1938-0-00-XX-00-00-03-0 Press-fit in .057 mounting hole</p>
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															

<p>1940</p> <p>1940-0-00-XX-00-00-03-0 Press-fit in .057 mounting hole</p>	<p>1942</p> <p>1942-0-00-XX-00-00-03-0 Press-fit in .057 mounting hole</p>	<p>3024</p> <p>3024-0-01-XX-00-00-03-0 Press-fit in .057 mounting hole</p>	<p>3000</p> <p>3000-0-00-XX-00-00-03-0 Press-fit in .061 mounting hole</p>
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<p>SPECIFICATIONS</p> <p>PIN MATERIAL: Brass Alloy 360, 1/2 Hard (Except Swage pins which are annealed)</p> <p>DIMENSION IN INCHES TOLERANCES ON: LENGTHS: ±.005 DIAMETERS: ±.002 ANGLES: ± 2°</p>	<p>ORDER CODE: XXXX - X - XX - XX - 00 - 00 - 0X - 0</p> <p>BASIC PART # →</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>RoHS 2002/95/EC</p> </div> <p>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 ◊</p>
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