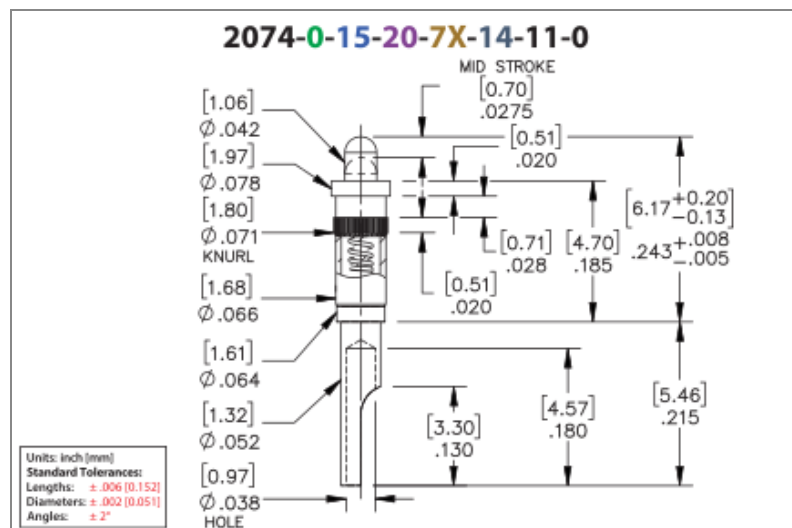




PRODUCT NUMBER: 2074-0-15-20-75-14-11-0

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DATA SHEET



## 2074-0-15-20-75-14-11-0 SPECIFICATIONS

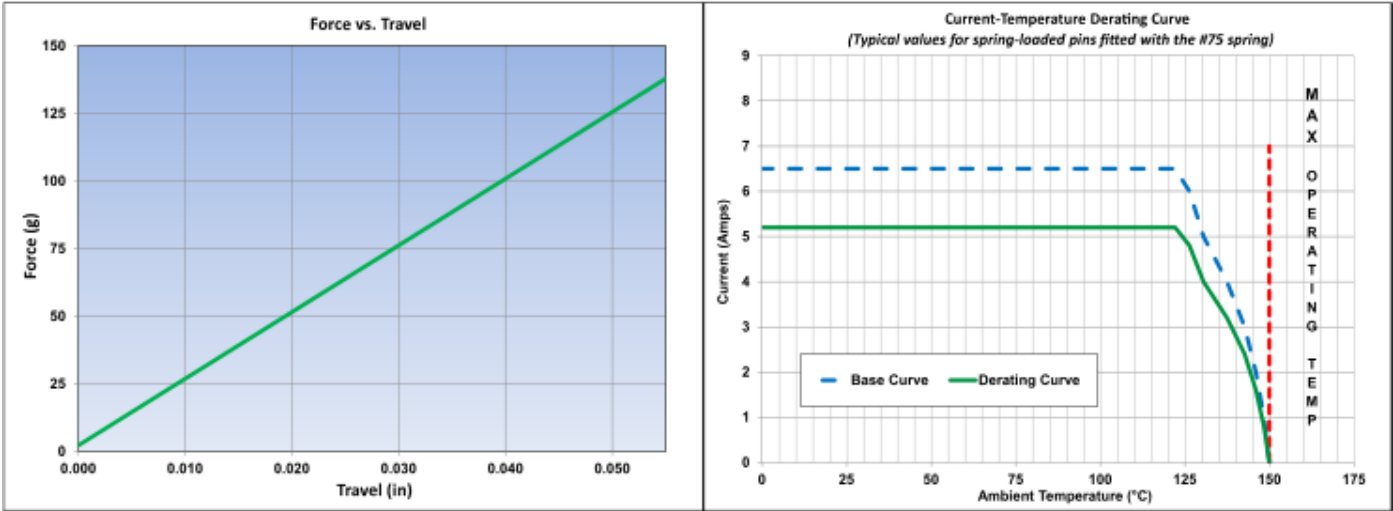
General Info		Materials	Technical Specs	
Description <sup>1</sup> :	Spring-Loaded Pin with Solder Cup Termination	Shell Material <sup>4</sup> : Brass Alloy	Mechanical life (Durability):	Up to 1,000,000 Cycles @ Mid-Stroke
		Shell Plating <sup>5</sup> : 20 $\mu$ " Gold over Nickel		
Plunger Type:	Round	Spring Plating <sup>6</sup> : 10 $\mu$ " Gold over Nickel	Operating Temperature Range <sup>7</sup> :	-55/+125° C
Mounting Feature:	Press-Fit into a Non-Plated Through Hole (NPTH) or Insulator		Maximum Current:	Inner Spring Dependent, see Spring Data Below
Mounting Hole:	.070" (1,778mm)		Maximum Derated Current:	Inner Spring Dependent, see Spring Data Below
Initial Height:	.370" (9,398mm)		Contact Resistance:	Inner Spring Dependent, see Spring Data Below
Stroke:	.055" (1,397mm)		Shock <sup>8</sup> :	No Elect. Discontinuity > 1 $\mu$ s @ 50g
Packaging:	Packaged in Bulk		Vibration <sup>9</sup> :	No Elect. Discontinuity > 1 $\mu$ s @ 10-2000HZ, 20 G
RoHS <sup>2</sup> :	Yes			
Product Lifecycle <sup>3</sup> :	Active			
Country Of Origin:	USA			

NOTES:

- 1. Standard Tolerances:  
Lengths +/- .006" (0,15)  
Diameters: +/- .002" (0,051)  
Angles: +/- 2°
- 2. Mill-Max products labeled with the RoHS symbol are compliant with all three ROHS Directives. All of our products previously described as RoHS (2002/95/EC) and RoHS-2 (2011/65/EC) are also compliant with RoHS-3 (2015/863/EU).
- 3. Part is Active and in Production, No Scheduled Obsolescence
- 4. Brass Alloy 360 per ASTM B 16, or 385 per ASTM B455
- 5. GOLD per ASTM B 488, Type 1 (99.7% min. gold), Code C (130-200 HK {Knoop hardness}); NICKEL per ASTM B 689, Type 2 (Bright)
- 6. GOLD per ASTM B 488, Type 1 (99.7% min. gold), Code C (130-200 HK {Knoop hardness}), NICKEL per ASTM B 689, Type 2 (Bright)
- 7. Storage per IEC 60512-11-(4,9,10,12) and peak operating temperature per IEC 60512-5-2, Test 5b
- 8. Per IEC 60512-6-3: Test 6c: Shock
- 9. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

SPRING:

#75 SPRING STANDARD FORCE SPRING	Full Stroke Capability : .055"± .005" [1,4 ± 0,127]
Spring Material : Beryllium Copper Alloy 172	Force @ Mid. Stroke : 60 g ± 20 g
Mid. Stroke : .0275" [0,7]	Initial Force (Pre-Load) : 10 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	Beryllium Copper	Grams Force	60g
Max Stroke	.055" (1,397mm)	Maximum Current	6.5A @ 30° C Temp. Rise
Maximum Operating Temp @ Max Current	120.00° C	20% De-rated Maximum Current	5.20A

## ADDITIONAL NOTES AND 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.

## RELATED LINKS AND DOCUMENTS

- Engineering Notebook: [Introduction to Spring Loaded Pogo Pins & Connectors](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>