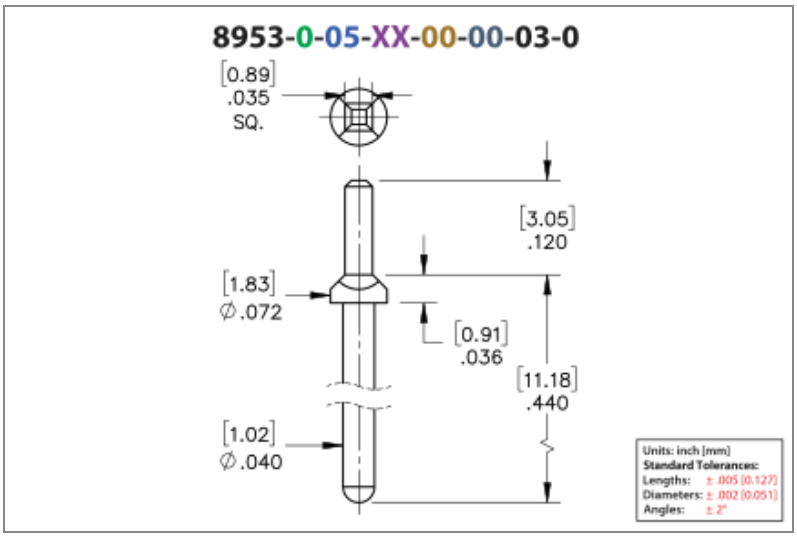
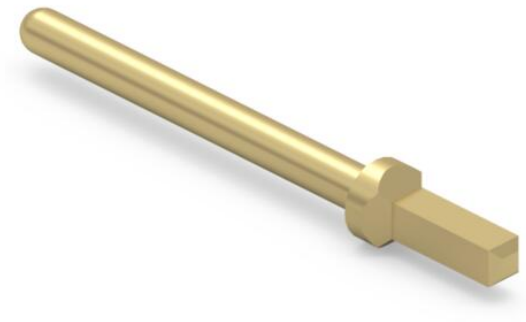
PRODUCT NUMBER: 8953-0-05-21-00-00-03-0

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DATA SHEET





8953-0-05-21-00-00-03-0 SPECIFICATIONS

General Info	
Description[1]:	Press-fit PCB Pin
Mounting Feature[2]:	Press-Fit into a Plated Through Hole (PTH)
Mounting Hole:	.046" (1,168mm)
Alternate Mounting[3]:	Through-Hole Soldertail Mount
Alternate Mounting Hole:	0.0440
Packaging:	Packaged in Bulk
RoHS[4]:	Yes
Product Lifecycle[5]:	Active
Country Of Origin:	USA

Materials	
Shell Material [6]:	Brass Alloy
Shell Plating[7]:	20 µ" Gold over Nickel

Technical Specs	
Operating Temperature Range[8]:	- 55/+125° C
Maximum Current:	Application Specific

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NOTES:

1. Standard Tolerances:
   Diameters +/-.002"
   Lengths +/-.005"
   Angles +/- 2
2. The suggested mounting hole represents the plated through-hole size. Press-fit pins designed for plated through-holes require the bare board drill size to be .001” (.0254 mm) larger than the diameter of the press-fit feature. This is a general guideline; your application may require different specifications
3. For through-hole solder mounting of this part, the suggestion is to make the finished hole size, at its minimum, .004" larger than the diameter being soldered into the mounting hole.
4. 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).
5. Part is Active and in Production, No Scheduled Obsolescence
6. Brass Alloy 360 per ASTM B 16, or 385 per ASTM B455
7. 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)
8. Per IEC 60512-11-(4,-9,-10,-12)

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

- Application Note - Applications for Pins and Receptacles in Plated Through Holes
- Engineering Notebook: Introduction to Printed Circuit Board PCB Pins
- Environmental Compliance: https://www.mill-max.com/rohs

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