

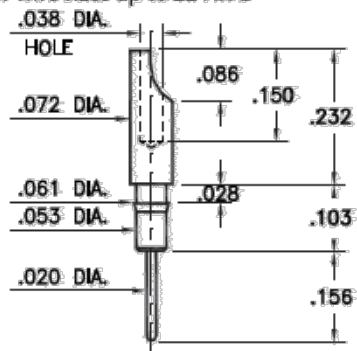


PRODUCT NUMBER: 0275-0-01-80-00-00-03-0

www.mill-max.com
DATA SHEET

0275-0-01-XX-00-00-03-0

Press-fit in .057 mounting hole
Pin material is Phosphor Bronze 544 (B2)
For wire sizes up to 22 AWG



0275-0-01-80-00-00-03-0 SPECIFICATIONS

General Info		Materials	Technical Specs
Description¹: Solder Cup Terminal Pin		Shell Material⁵: Phosphor Bronze	Operating Temperature Range⁷: - 55/+125° C
Mounting Feature:	Press-Fit into a Non-Plated Through Hole (NPTH) or Insulator	Shell Plating⁶: 200 - 300 μ" Tin (matte finish) over Nickel	Current Rating⁸: Application Specific
Mounting Hole:	.057" (1,448mm)		
Alternate Mounting²:	Through-Hole Solder tail Mount		
Alternate Mounting Hole:	0.0240		
Packaging:	Packaged in Bulk		
RoHS³:	Yes		
Product Lifecycle⁴:	Active		

NOTES:

1. Standard Tolerances:
Lengths $\pm .005"$ (0,13)
Diameters: $\pm .002"$ (0,051)
Angles: $\pm 2^\circ$
2. 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.
3. 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).
4. Part is Active and in Production, No Scheduled Obsolescence
5. Phosphor Bronze Alloy 544 per ASTM-B139
6. TIN (100%) per ASTM B 545, Matte finish (With whisker and oxide inhibitors); NICKEL per ASTM B 689, Type 2 (Bright)
7. Per IEC 60512-11-(4,-9,-10,-12)
8. Current rating is typically a measured function of the female socket/connector. The amount of current a solid, male, brass pin can tolerate is a direct relation of the heat displaced based on current and the ability of neighboring components to handle displaced heat.

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: (https://www.mill-max.com/sites/default/files/external/assets/2019-07/pins_receptacles_and_connectors_with_integrated_solder_cups.pdf)

Environmental Compliance: (<https://www.mill-max.com/rohs>)