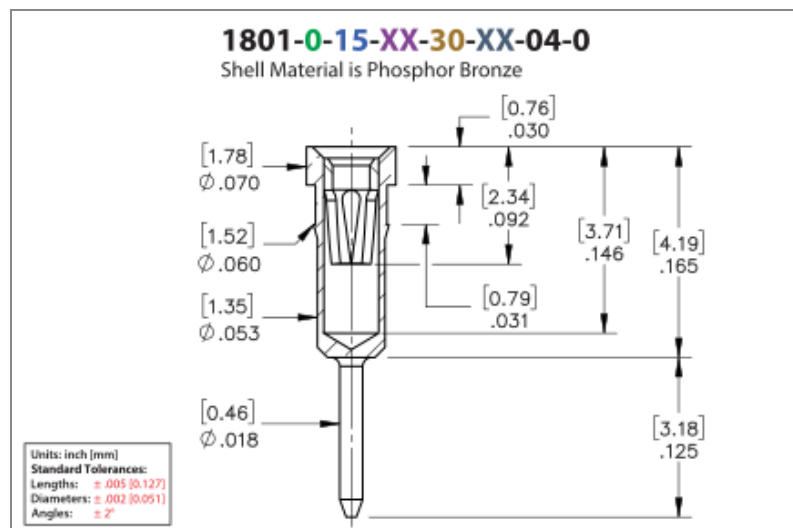




PRODUCT NUMBER: 1801-0-15-80-30-14-04-0

www.mill-max.com
DATA SHEET



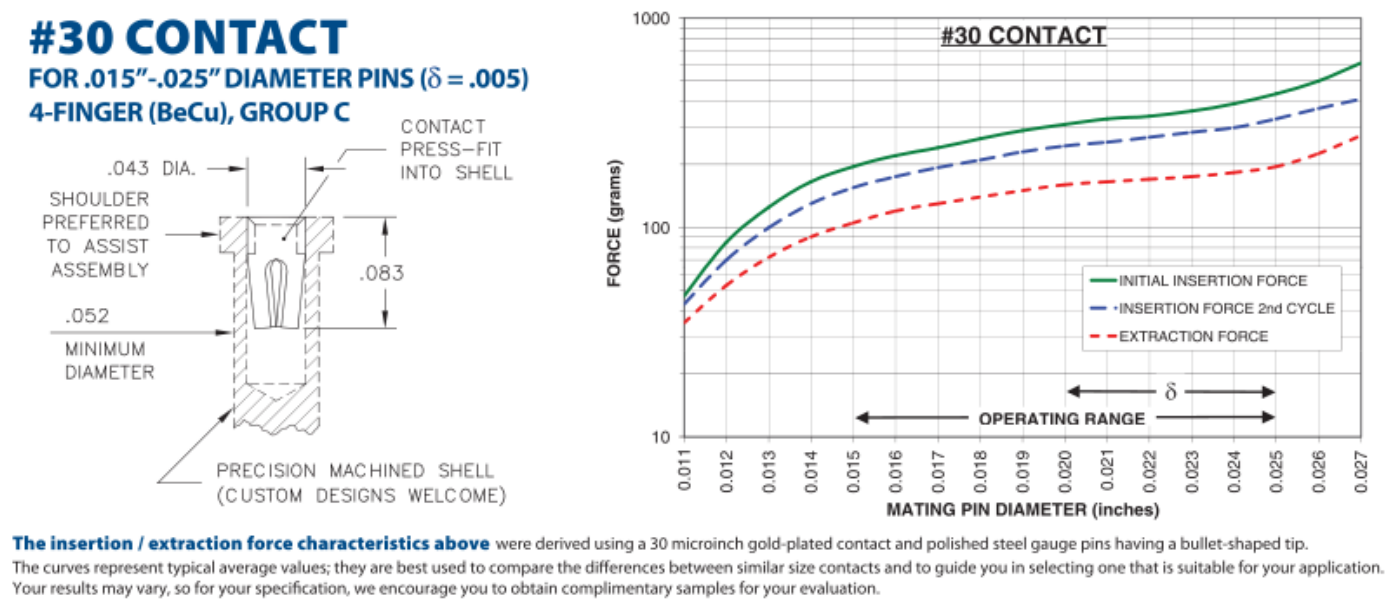
1801-0-15-80-30-14-04-0 SPECIFICATIONS

General Info	Materials	Technical Specs
Description¹: Receptacle With A Standard Tail	Shell Material⁶: Phosphor Bronze	Durability⁹: 1,000 Cycles Minimum
Mounting Feature: Press-Fit into a Non-Plated Through Hole (NPTH)	Shell Plating⁷: 200 - 300 μ " Tin (matte finish) over Nickel	Operating Temperature Range¹⁰: -55/+125° C
Mounting Hole²: .057" (1.448mm)	Contact Plating⁸: 10 μ " Gold over Nickel	Current Rating¹¹: 3A @ 10°C Temperature Rise
Alternate Mounting³: Through-Hole Solder tail Mount		Contact Resistance¹²: 10 m Ω Max
Pin Diameter Range: .015"-.025" (0.381-0.635mm)		Shock¹³: No Elect. Discontinuity > 1 μ s @ 50g
Packaging: Packaged in Bulk		Vibration¹⁴: No Elect. Discontinuity > 1 μ s @ 10-2000HZ, 20 G
RoHS⁴: Yes		
Product Lifecycle⁵: Active		

NOTES:

- 1. Standard Tolerances:
Lengths +/- .005" (0,13)
Diameters: +/- .002" (0,051)
Angles: +/- 2°
- 2. 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. Phosphor Bronze Alloy 544 per ASTM-B139
- 7. TIN (100%) per ASTM B 545, Matte finish (With whisker and oxide inhibitors); NICKEL per ASTM B 689, Type 2 (Bright)
- 8. 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)
- 9. Receptacles are capable of 1,000 Minimum insertion/extraction cycles for a broad range of applications. Mating pin size, shape and finish, along with application specific variables, will affect the life of a receptacle contact.
- 10. Per IEC 60512-11-(4,-9,-10,-12)
- 11. Per IEC 60512-5-1, Current Carrying Capacity (evaluated at 10° C Temp. Rise)
- 12. Per EIA-364-23C, Low Level Contact Resistance
- 13. Per IEC 60512-6-3: Test 6c: Shock
- 14. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

CONTACT:



Material	Beryllium Copper	Current Rating (amps)	3.00
Fingers	4	Compliance (δ)	0.005

Length	.080" (2,032mm)	Contact Group	C
--------	-----------------	---------------	---

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: (<https://www.mill-max.com/engineering-notebooks/pin-receptacles/the-backbone-of-your-interconnect-system>)

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