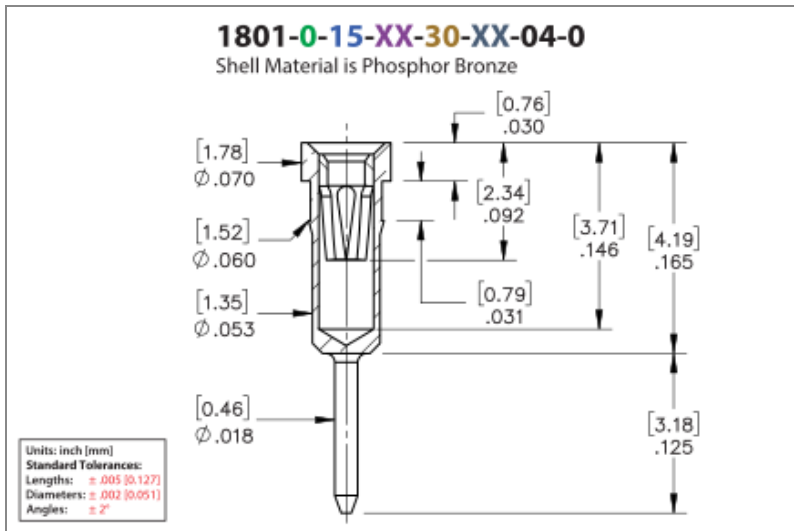




PRODUCT NUMBER: 1801-0-15-01-30-27-04-0

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DATA SHEET



1801-0-15-01-30-27-04-0 SPECIFICATIONS

General Info	
Description¹:	Receptacle With A Standard Tail
Mounting Feature:	Press-Fit into a Non-Plated Through Hole (NPTH)
Mounting Hole²:	.057" (1,448mm)
Alternate Mounting³:	Through-Hole Solder tail Mount
Pin Diameter Range:	.015"-.025" (0,381-0,635mm)
Packaging:	Packaged in Bulk
RoHS:	No
Product Lifecycle⁴:	Active

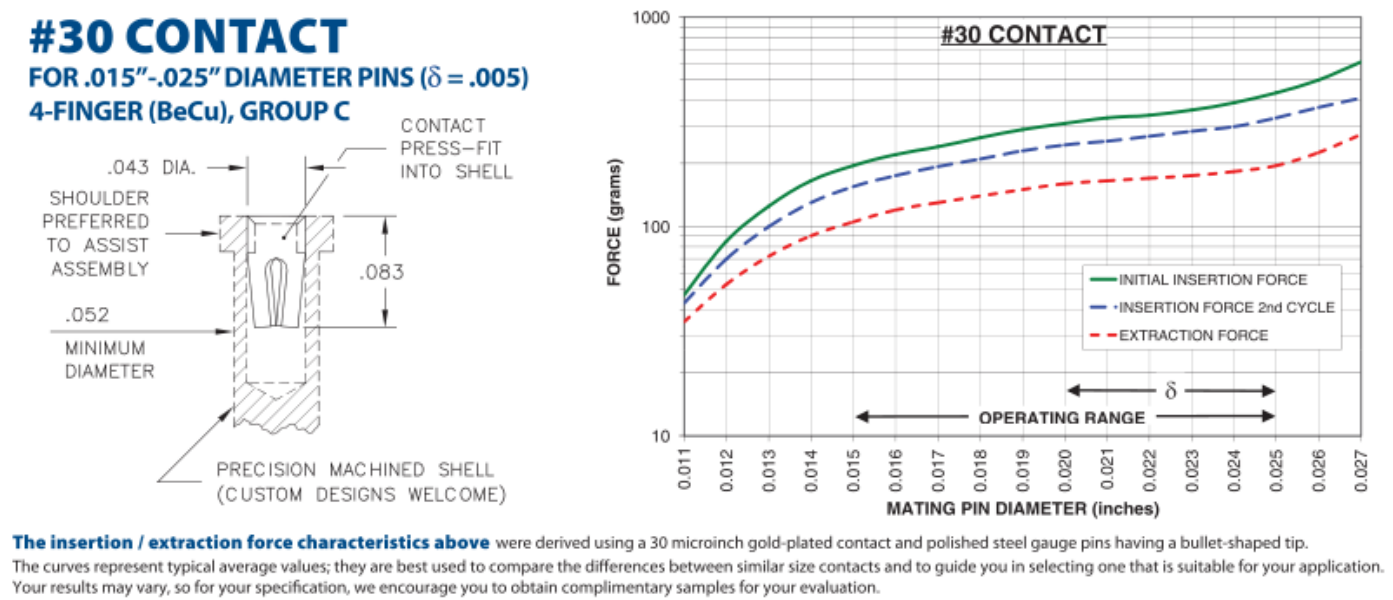
Materials	
Shell Material⁵:	Phosphor Bronze
Shell Plating⁶:	200 - 300 μ " Tin/Lead over Nickel
Contact Plating⁷:	30 μ " Gold over Nickel

Technical Specs	
Durability⁸:	1,000 Cycles Minimum
Operating Temperature Range⁹:	-55/+125° C
Current Rating¹⁰:	3A @ 10°C Temperature Rise
Contact Resistance¹¹:	10 m Ω Max
Shock¹²:	No Elect. Discontinuity > 1 μ s @ 50g
Vibration¹³:	No Elect. Discontinuity > 1 μ s @ 10-2000HZ, 20 G

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. Part is Active and in Production, No Scheduled Obsolescence
- 5. Phosphor Bronze Alloy 544 per ASTM-B139
- 6. TIN/LEAD (93/7) per ASTM B 545 (Appendix X6.3.2.5 to eliminate whisker growth) Bright finish; NICKEL per ASTM B 689, Type 2 (Bright)
- 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. 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.
- 9. Per IEC 60512-11-(4,-9,-10,-12)
- 10. Per IEC 60512-5-1, Current Carrying Capacity (evaluated at 10° C Temp. Rise)
- 11. Per EIA-364-23C, Low Level Contact Resistance
- 12. Per IEC 60512-6-3: Test 6c: Shock
- 13. 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>)