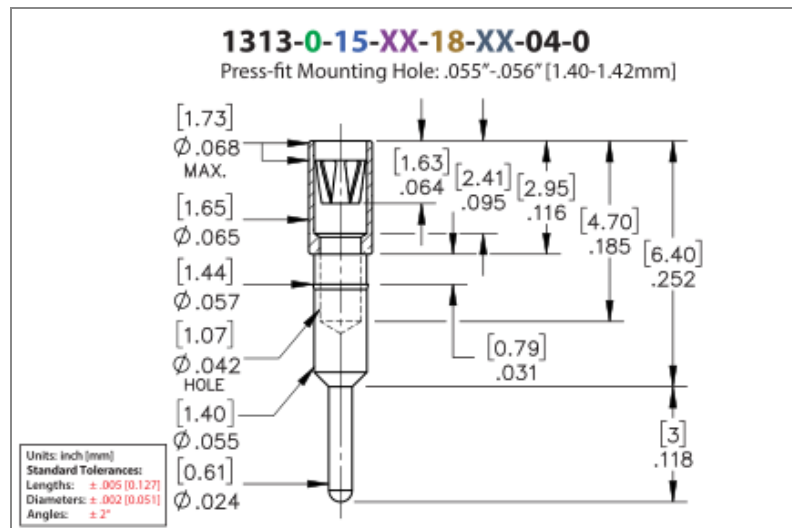




PRODUCT NUMBER: 1313-0-15-01-18-27-04-0

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DATA SHEET



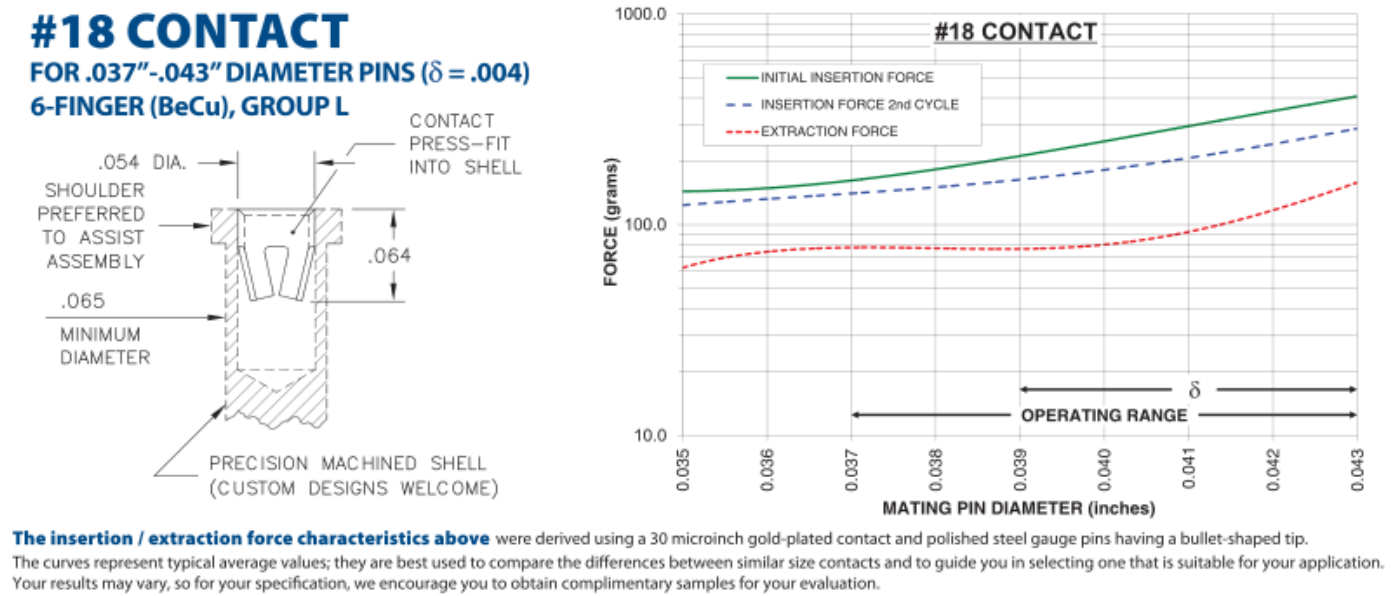
1313-0-15-01-18-27-04-0 SPECIFICATIONS

General Info		Materials	Technical Specs	
Description¹:	Receptacle With A Standard Tail	Shell Material⁴: Brass Alloy	Durability⁷:	1,000 Cycles Minimum
	Mounting Feature: Press-Fit into a Non-Plated Through Hole (NPTH)	Shell Plating⁵: 200 - 300 μ " Tin/Lead over Nickel	Operating Temperature Range⁸:	-55/+125° C
	Mounting Hole: .056" (1.422mm)	Contact Plating⁶: 30 μ " Gold over Nickel	Current Rating⁹:	8A @ 10°C Temperature Rise
	Alternate Mounting²: Through-Hole Solder Tail Mount		Contact Resistance¹⁰:	10 m Ω Max
	Pin Diameter Range: .037"-.043" (0.940-1.092mm)		Shock¹¹:	No Elect. Discontinuity > 1 μ s @ 50g
	Packaging: Packaged in Bulk		Vibration¹²:	No Elect. Discontinuity > 1 μ s @ 10-2000HZ, 20 G
	RoHS: No			
Product Lifecycle³: Active				

NOTES:

- 1. Standard Tolerances:
Lengths +/- .005" (0,13)
Diameters: +/- .002" (0,051)
Angles: +/- 2°
- 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. Part is Active and in Production, No Scheduled Obsolescence
- 4. Brass Alloy 360 per ASTM B 16, or 385 per ASTM B455
- 5. 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)
- 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. 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.
- 8. Per IEC 60512-11-(4,-9,-10,-12)
- 9. Per IEC 60512-5-1, Current Carrying Capacity (evaluated at 10° C Temp. Rise)
- 10. Per EIA-364-23C, Low Level Contact Resistance
- 11. Per IEC 60512-6-3: Test 6c: Shock
- 12. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

CONTACT:



Material	Beryllium Copper	Current Rating (amps)	8.00
Fingers	6	Compliance (δ)	0.004
Length	.060" (1,524mm)		

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>)