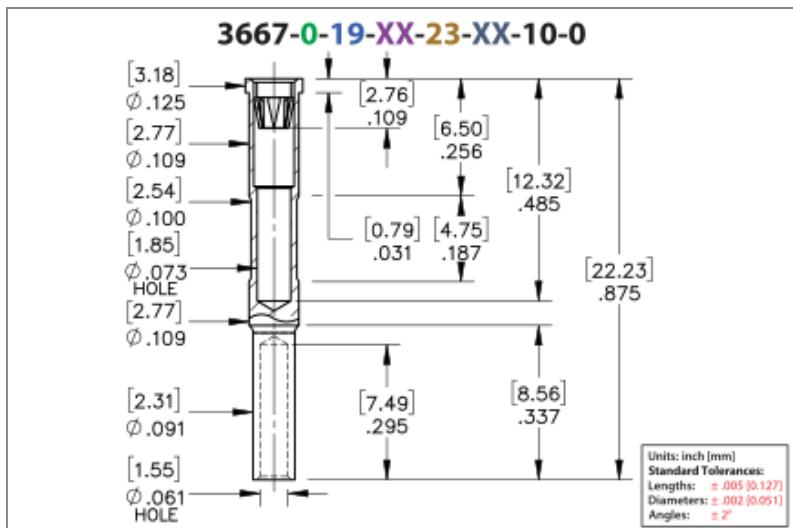




PRODUCT NUMBER: 3667-0-19-01-23-27-10-0

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DATA SHEET



3667-0-19-01-23-27-10-0 SPECIFICATIONS

General Info		Materials		Technical Specs	
Description¹:	Wire Termination Receptacle - Crimp Type	Shell Material³:	Brass Alloy	Mechanical life (Durability)⁶:	1,000 Cycles Minimum
Mounting Feature:	Wire Mount	Shell Plating⁴:	200 - 300 μ " Tin/Lead over Nickel	Operating Temperature Range⁷:	-55/+125° C
Pin Diameter Range:	.045"-.065" (1,143-1,651mm)	Contact Plating⁵:	30 μ " Gold over Nickel	Current Rating⁸:	11.2A @ 10°C Temperature Rise
Packaging:	Packaged in Bulk			Contact Resistance⁹:	10 m Ω Max
RoHS:	No			Shock¹⁰:	No Elect. Discontinuity > 1 μ s @ 50g
Product Lifecycle²:	Active			Vibration¹¹:	No Elect. Discontinuity > 1 μ s @ 10-2000HZ, 20 G

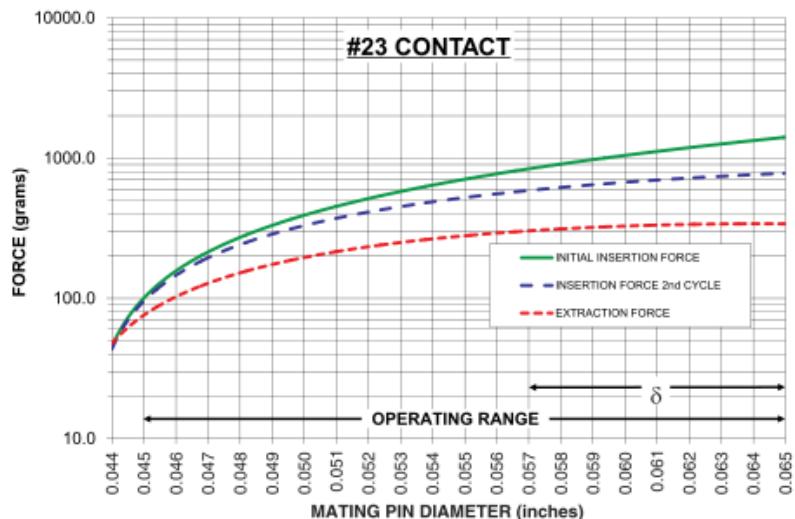
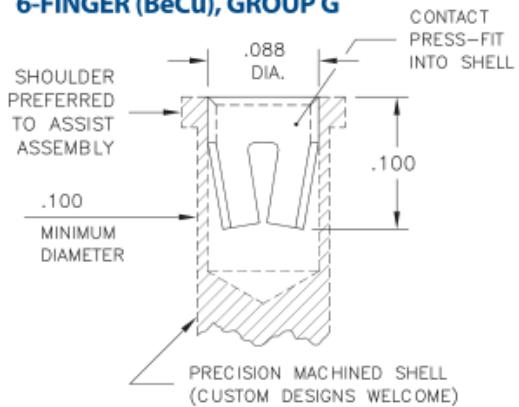
NOTES:

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

CONTACT:

#23 CONTACT

FOR .045"-.065" DIAMETER PINS ($\delta = .008$)
6-FINGER (BeCu), GROUP G



The insertion / extraction force characteristics above were derived using a 30 microinch gold-plated contact and polished steel gauge pins having a bullet-shaped tip.

The insertion/ extraction force characteristics above were derived using 0.06 micrometer gold plated contact and polished steel gauge pins having a bullet shaped tip. The curves represent typical average values; they are best used to compare the differences between similar size contacts and to guide you in selecting one that is suitable for your application. Your results may vary, so for your specification, we encourage you to obtain complimentary samples for your evaluation.

Material	Beryllium Copper	Fingers	6
Length	.100" (2,540mm)	Maximum Current	18A @ 30° C Temp. Rise
Maximum Operating Temp @ Max Current	120.00° C	20% De-rated Maximum Current	14.40A
Contact Resistance	10.00mΩ Max	Contact Group	G

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/precision-machined-crimp-pins-and-receptacles>)

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