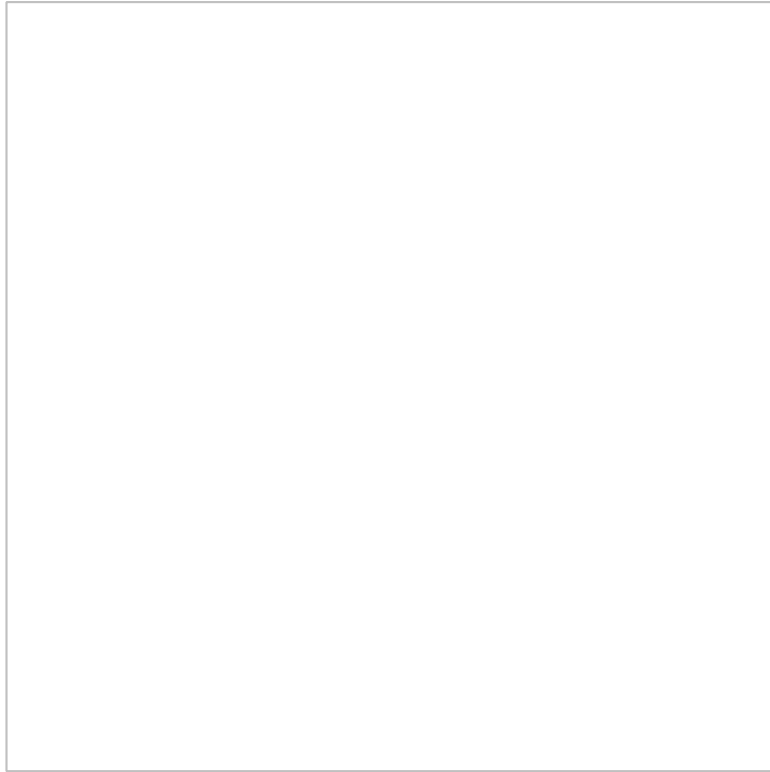


Product Number: 0368-0-33-80-13-27-10-0

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Data Sheet



General Information

¹Product Lifecycle:	Active
Product Family:	Pin Receptacle
²Description:	Wire Termination Receptacle - Crimp Type
³Shell Material:	Brass Alloy
⁴Operating Temperature Range:	-55/+125° C
Contact Number:	13 - Standard 4 Finger Contact
Contact Material:	Beryllium Copper
Max Operating Temperature (Contact):	120.00° C
Country of Origin:	USA
⁵ROHS:	Yes

Termination Style

Tail:	Single
Tail Type:	Crimp
Wire Termination:	Crimp 16-20 AWG

0368-0-33-80-13-27-10-0 - specifications

Product Attributes

⁶ Shell Plating:	80 Shell Plating - 200-300 μ " Tin (matte finish) over Nickel
⁷ Contact Plate:	27 Contact Plating - 30 μ " Gold over Nickel
Hole Type:	Closed-Bottom

Key Dimensions

Accepting Lead Range: .048"-.064" (1,219-1,626mm)

Barb/Knurl Diameter: N/A

Body Diameter: .119" (3,023mm)

Body Length: .234" (5,944mm)

Flange Diameter: .141" (3,581mm)

Flange Length: .046" (1,168mm)

Hole Depth: .180" (4,572mm)

Overall Length: .530" (13,462mm)

Tail Diameter: N/A

Tail Length: N/A

Electrical Specifications

⁸Maximum Current: 19A @ 30° C Temp. Rise

Maximum Derated Current: 15.20A

Contact Resistance: 10.00m Ω Max

Mechanical Specifications

⁹Mechanical life (Durability): 1,000 Cycles Minimum

¹⁰Shock: No Elect. Discontinuity > 1 μ s @ 50g

¹¹Vibration: No Elect. Discontinuity > 1 μ s @ 10-2000HZ, 20 G

Mounting Specifications

Mounting Feature: Wire Mount

Press-Fit Feature: N/A

Mounting Hole Type: N/A

Mounting Hole: N/A

Alternate Mounting: N/A

Alternate Mounting Hole: N/A

SMT Pad Size: N/A

Packaging Information

Packaging: 33 - Packaged in Bulk

Reel Size: N/A

Environmental & Export Classifications

REACH Status: REACH Unaffected

ECCN: Contact Factory

HTSUS: 8536.90.4000

Cage Code: 3N087

Moisture Sensitivity Level (MSL): 1 (Unlimited)

Special Handling Code: UNDF

Prop 65: N

Static Sensitive: N

Notes:

1. Part is Active and in Production, No Scheduled Obsolescence
2. Standard Tolerances:

Lengths +/- .005" (0,13)
Diameters: +/- .002" (0,051)
Angles: +/- 2°
3. Brass Alloy 360 per ASTM B 16, or 385 per ASTM B455
4. Per IEC 60512-11-(4,-9,-10,-12)
5. 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).
6. TIN (100%) per ASTM B 545, Matte finish (With whisker and oxide inhibitors); 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. Per IEC 60512-5-1, Current Carrying Capacity (evaluated at 30° C Temp. Rise)
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 60512-6-3: Test 6c: Shock
11. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

Contact:

Material	Beryllium Copper	Fingers	4
Compliance (δ)	0.010	Length	.127" (3,226mm)
Maximum Current	19A @ 30° C Temp. Rise	Maximum Operating Temp @ Max Current	120.00° C
20% De-rated Maximum Current	15.20A	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

- Product Detail: [0368-0-33-80-13-27-10-0 - Wire Termination Receptacle - Crimp Type](#)
- Engineering Notebook: [Crimp Pin and Receptacle Contact Options](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>