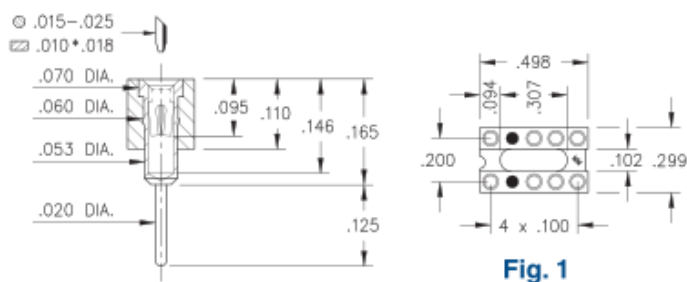




PRODUCT NUMBER: 110-13-314-10-002000

www.mill-max.com  
DATA SHEET

110-XX-210-10-002000



## 110-13-314-10-002000- SPECIFICATIONS

General Info	
<b>Description<sup>1</sup>:</b> Selectively Loaded Socket for Dual In Line Relays	
<b>Type:</b>	DIP
<b>Category:</b>	Dual In Line Socket
<b>Mounting Style:</b>	Through Hole Solder Mount
<b># Pins:</b>	8
<b>Packaging:</b>	Packaged in Tubes
<b>Qty Tube:</b>	28
<b>RoHS<sup>2</sup>:</b>	Yes
<b>Product Lifecycle:</b>	Active

Materials	
<b>Shell Plating:</b>	10 $\mu$ " Gold over 100 $\mu$ " Nickel
<b>Inner Contact Plating:</b>	30 $\mu$ " Gold over 50 $\mu$ " Nickel
<b>Loose Pin/Receptacle Used:</b>	1001 (Brass Alloy)
<b>Insulator Material:</b> PCT	

Technical Specs	
<b>Temperature Range<sup>3</sup>:</b>	-55/+125° C
<b>Pitch:</b>	.100" (2,540mm)

## NOTES:

### 1. Standard Tolerances:

Assembly tolerance:  $\pm .010"$  (.25mm)

Insulator length:  $\pm .005$  (.13mm)

Insulator width:  $\pm .005$  (.13mm)

Insulator height:  $\pm .005$  (.13mm)

Pin Length:  $\pm .005$  (.13mm)

Pin Diameter:  $\pm .002$  (.051mm)

Pin Angle:  $\pm 2^\circ$

Co-planarity of SMT connectors: .005" (.13mm) up to 1" (25.4mm) in connector length

Insulator Flatness: .005" (.13mm) up to 1" (25.4mm) in connector length

### 2. 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).

### 3. Per IEC 60512-11-(4,-9,-10,-12)

## ADDITIONAL PARTS, PACKAGING, & ASSEMBLY INFO

### 110-XX-314-10-002000

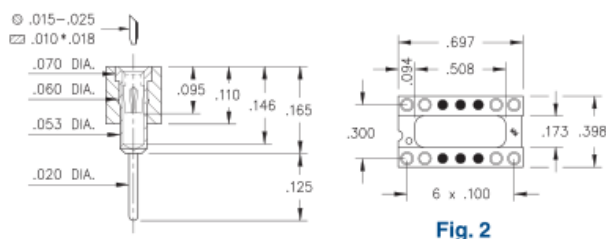


Fig. 2

○ = Loaded Position    ● = Empty Position

### 110-XX-328-10-002000

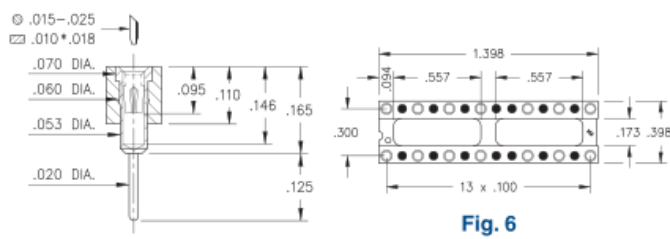


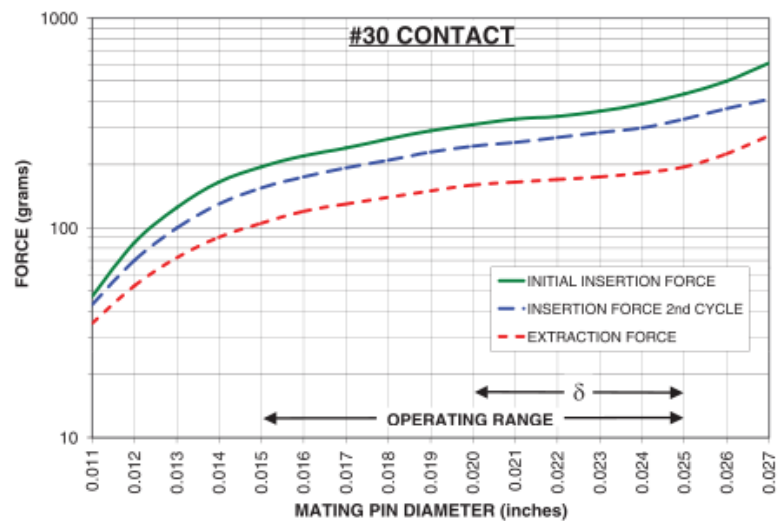
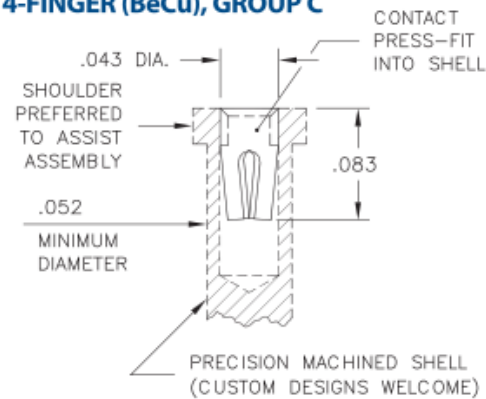
Fig. 6

○ = Loaded Position    ● = Empty Position

## CONTACT:

# #30 CONTACT

FOR .015"-.025" DIAMETER PINS ( $\delta = .005$ )  
4-FINGER (BeCu), GROUP C



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 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	Current Rating (amps)	3.00
Fingers	4	Compliance ( $\delta$ )	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

Application Notes: ( [https://www.mill-max.com/sites/default/files/external/assets/2019-02/dip\\_insulator\\_information.pdf](https://www.mill-max.com/sites/default/files/external/assets/2019-02/dip_insulator_information.pdf) )  
Environmental Compliance: ( <https://www.mill-max.com/rohs> )