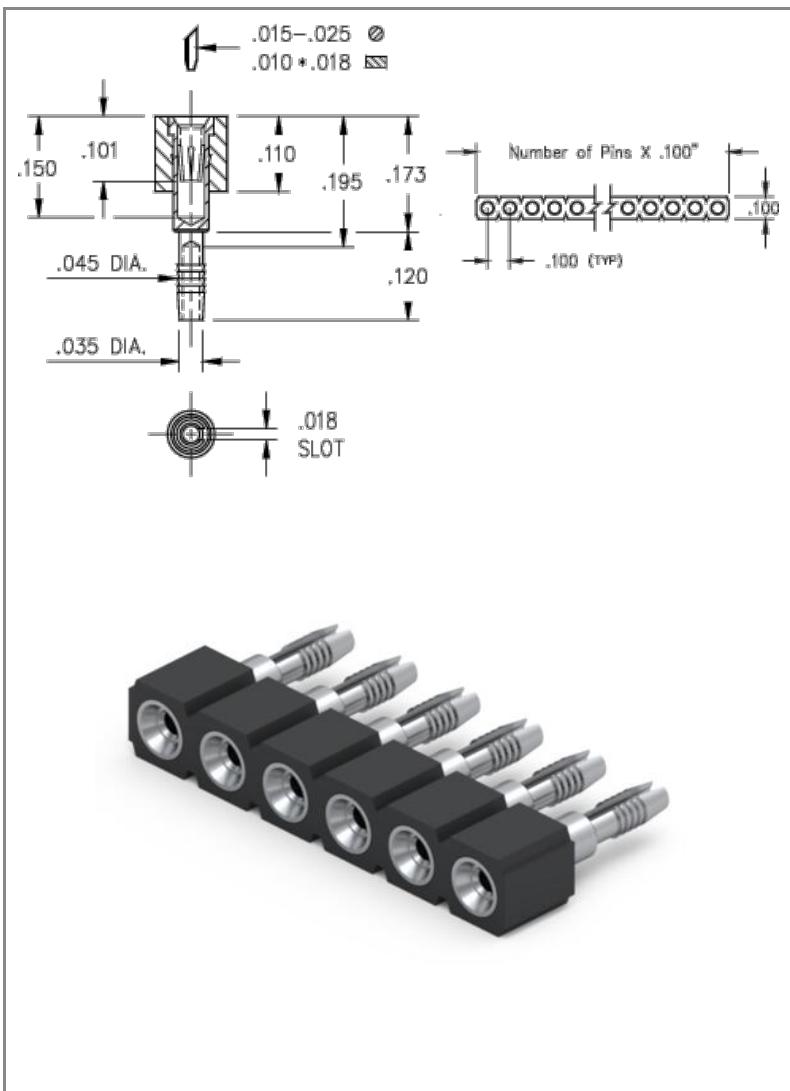




PRODUCT NUMBER: 346-44-106-41-012000

www.mill-max.com
DATA SHEET



General Info

Description¹: Compliant Tail Press Fit Socket
Accepts .015"-.025" (0,381-0,635mm) dia leads

Type: Interconnect

Category: Machined Pin Socket

Mounting Style: Press-Fit Into a Plated Through Hole

Pins: 6

Packaging²: Packaged in Box or Tube

Rows: Single Row

ECCN: Contact Factory

HTSUS: 8536.90.4040

Country Of Origin: USA

346-44-106-41-012000- SPECIFICATIONS

Environmental Specs		Materials	
Temperature Range ³ :	-55/+125° C	Loose Pin/Receptacle # (Material):	4612 (Brass Alloy)
Shock ⁴ :	No Elect. Discontinuity > 1µs @ 50g	Shell Plating:	200 µ" Tin (matte finish) over 100 µ" Nickel
Vibration ⁵ :	No Elect. Discontinuity > 1µs @ 10-2000HZ, 15 G	Inner Contact #:	30
RoHS ⁶ :	Yes	# Contact Fingers:	4
Moisture Sensitivity Level (MSL):	1 (Unlimited)	Inner Contact Material:	Beryllium Copper
REACH Status:	REACH Unaffected	Inner Contact Plating:	100 µ" Tin (matte finish) over 50 µ" Nickel
Mechanical Specs		Insulator Material:	High Temp Thermoplastic
Mechanical life (Durability) ⁷ :		Technical Specs	
1,000 Cycles Minimum		Pitch:	.100" (2,540mm)
Electrical Specs			
Contact Resistance ⁸ :			
10 mΩ max.			
Rated Voltage:			
100 VRMS/150 VDC			
Insulation Resistance:			
10,000 MΩ min.			
Dielectric Withstanding Voltage:			
1,000 VRMS min.			

NOTES:

1. Standard Tolerances:

Assembly tolerance: +/- .010" (.25mm)

Insulator length: +/- .005 (.13mm)

Insulator width: +/- .005 (.13mm)

Insulator height: +/- .005 (.13mm)

Pin Length: +/- .005 (.13mm)

Pin Diameter: +/- .002 (.051mm)

Pin Angle: +/- 2°

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. Not all part numbers in the series may be packaged in tubes. Some specific part numbers may be packaged in a box.

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

4. For discrete pin only. Per IEC 60512-6-3: Test 6c: Shock

5. For discrete pin only. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

6. 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).

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.

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: [Mill-Max Press-Fit Pins](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>