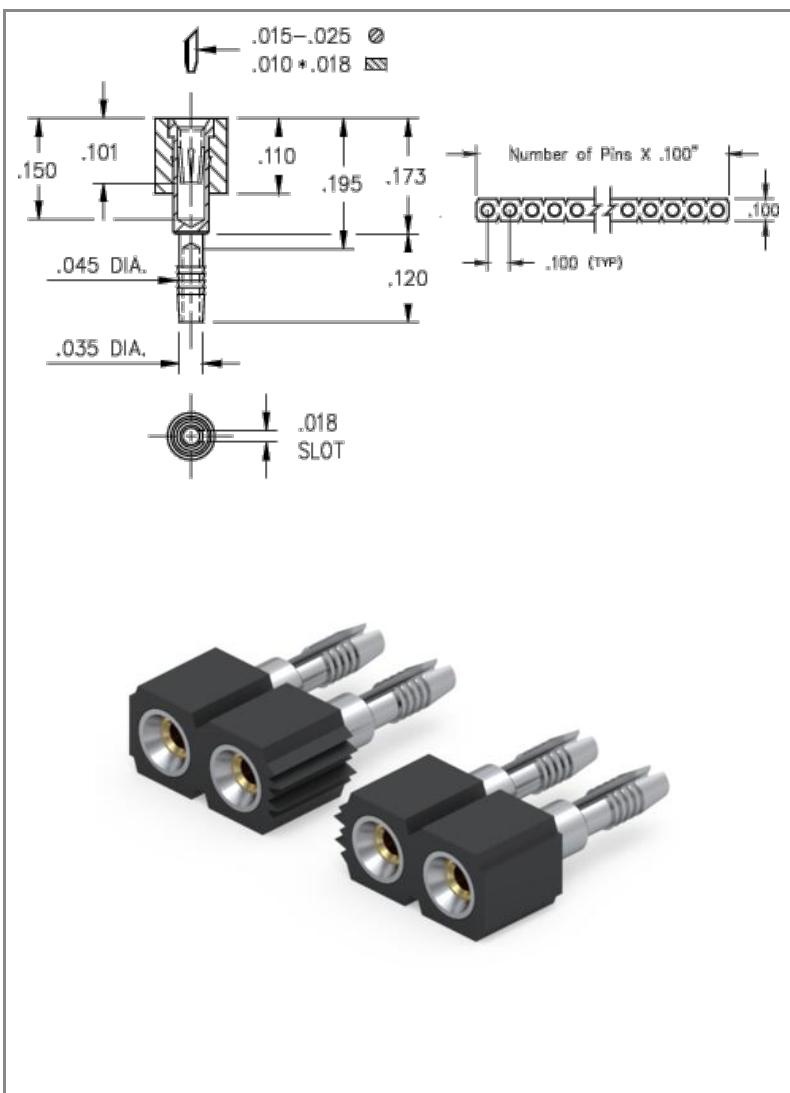




PRODUCT NUMBER: 346-93-121-41-012000

www.mill-max.com  
DATA SHEET



#### General Info

**Description<sup>1</sup>:** 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:** 21

**Packaging<sup>2</sup>:** Packaged in Box or Tube

**Rows:** Single Row

**ECCN:** Contact Factory

**HTSUS:** 8536.90.4040

**Country Of Origin:** USA

# 346-93-121-41-012000- SPECIFICATIONS

Environmental Specs		Materials	
Temperature Range <sup>3</sup> :	-55/+125° C	Loose Pin/Receptacle # (Material):	4612 (Brass Alloy)
Shock <sup>4</sup> :	No Elect. Discontinuity > 1µs @ 50g	Shell Plating:	200 µ" Tin/Lead(93/7) over 100 µ" Nickel
Vibration <sup>5</sup> :	No Elect. Discontinuity > 1µs @ 10-2000HZ, 15 G	Inner Contact #:	30
Moisture Sensitivity Level (MSL):	1 (Unlimited)	# Contact Fingers:	4
REACH Status:	REACH Unaffected	Inner Contact Material:	Beryllium Copper
Mechanical Specs		Inner Contact Plating:	30 µ" Gold over 50 µ" Nickel
Mechanical life (Durability) <sup>6</sup> :		Insulator Material:	High Temp Thermoplastic
Technical Specs		Electrical Specs	
Pitch:		Contact Resistance <sup>7</sup> :	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. 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.

## 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>