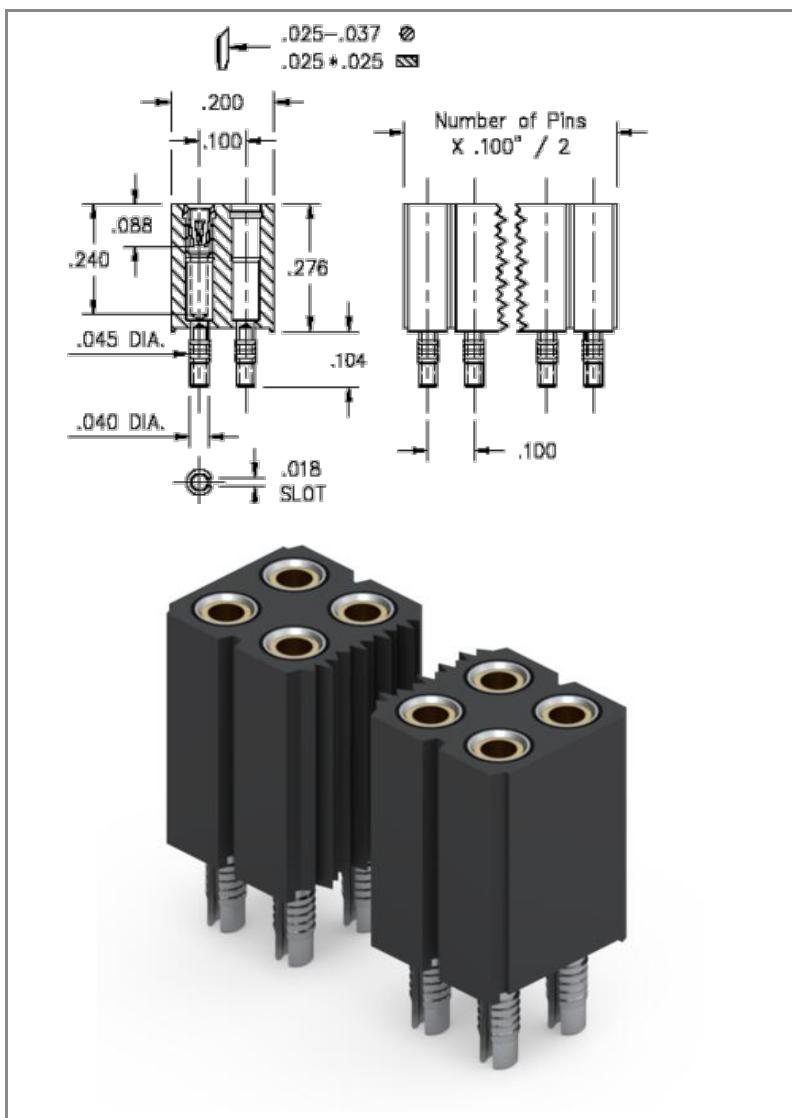




PRODUCT NUMBER: 803-43-054-61-001000

www.mill-max.com
DATA SHEET



General Info

Description¹: Compliant Tail Press Fit Socket
Accepts .025"-.037" (0,635-0,940mm) dia leads

Type: Interconnect

Category: Machined Pin Socket

Mounting Style: Press-Fit Into a Plated Through Hole

Tail Type: Compliant Tail

Pins: 54

Packaging²: Packaged in Box or Tube

Rows: Double Row

ECCN: Contact Factory

HTSUS: 8536.90.4040

Product Lifecycle: Active

Country Of Origin: USA

803-43-054-61-001000- SPECIFICATIONS

Environmental Specs		Materials	
Temperature Range ³ :	-55/+125° C	Loose Pin/Receptacle # (Material):	4614 (Brass Alloy)
RoHS ⁴ :	Yes	Shell Plating:	200 μ " Tin (matte finish) over 100 μ " Nickel
Moisture Sensitivity Level (MSL):	1 (Unlimited)	Inner Contact #:	47
REACH Status:	REACH Unaffected	# Contact Fingers:	6
Mechanical Specs		Inner Contact Material:	Beryllium Copper
Mounting Hole:	.036" (0,914mm)	Inner Contact Plating:	30 μ " Gold over 50 μ " Nickel
Technical Specs		Insulator Material:	High Temp Thermoplastic
		Pitch:	.100" (2,540mm)
Electrical Specs			
		Rated Voltage:	100 VRMS/150 VDC
		Insulation Resistance:	10,000 M Ω 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. 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).

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: [Introduction to Machined Pin PCB Connectors & Interconnects](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>