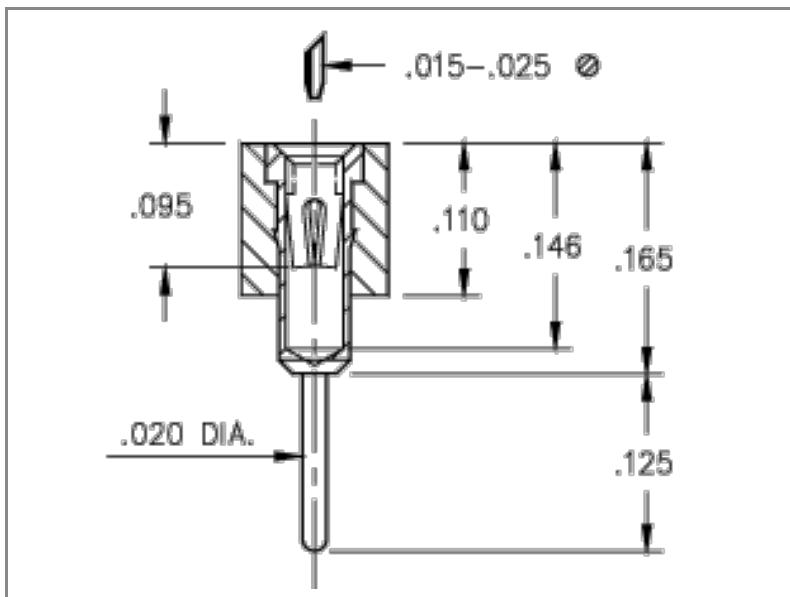




PRODUCT NUMBER: 510-93-133-13-045003

www.mill-max.com  
DATA SHEET



#### General Info

Description <sup>1</sup> :	Solder Tail PGA Socket
Type:	PGA
Category:	Machined Pin Socket
Mounting Style:	Through Hole Solder Mount
# Pins:	133
Packaging <sup>2</sup> :	Packaged in Box or Tube
ECCN:	Contact Factory
HTSUS:	8536.90.4040
Product Lifecycle:	Active
Country Of Origin:	USA

# 510-93-133-13-045003- SPECIFICATIONS

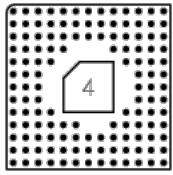
Environmental Specs		Materials	
Temperature Range <sup>3</sup> :	-55/+125° C	Loose Pin/Receptacle # (Material):	1001 (Brass Alloy)
Shock <sup>4</sup> :	No Elect. Discontinuity > 1µs @ 50g	Shell Plating:	200 µ" Tin/Lead(93/7) over 100 µ" Nickel
Vibration <sup>5</sup> :	No Elect. Discontinuity > 1µs @ 10-2000HZ, 15 G	Inner Contact #:	43
Moisture Sensitivity Level (MSL):	1 (Unlimited)	# Contact Fingers:	6
REACH Status:	REACH Unaffected	Inner Contact Material:	Beryllium Copper
Mechanical Specs		Inner Contact Plating:	30 µ" Gold over 50 µ" Nickel
Mechanical life (Durability):	100 Cycles Minimum	Insulator Material:	High Temp Thermoplastic
Mounting Hole:	.024" (0,610mm)	Electrical Specs	
		Current Rating <sup>6</sup> :	3 Amps
		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. Per IEC 60512-5-1, Current Carrying Capacity (evaluated at 10° C Temp. Rise)
- 7.

## ADDITIONAL PARTS, PACKAGING, & ASSEMBLY INFO

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 190 Pine Hollow Road, Oyster Bay, NY 11771



133-13-045

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## 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

- Environmental Compliance: <https://www.mill-max.com/rohs>