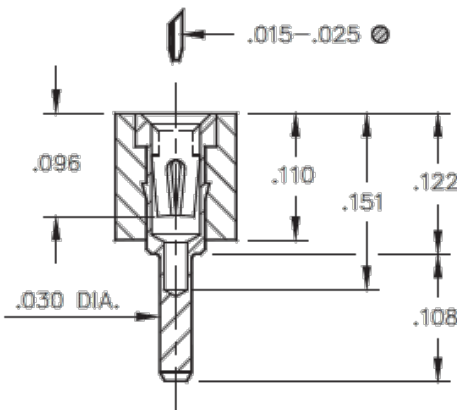




PRODUCT NUMBER: 515-91-179-18-095002

www.mill-max.com
DATA SHEET

SERIES 515 (Low Profile Solder Tail)



General Info

Description¹: Low Profile Solder Tail PGA Socket

Type: PGA

Category: Machined Pin Socket

Mounting Style: Through Hole Solder Mount

Pins: 179

Packaging²: Packaged in Box or Tube

ECCN: EAR99

HTSUS: 8536.90.4040

Product Lifecycle: Active

515-91-179-18-095002- SPECIFICATIONS

Environmental Specs	
Temperature Range ³ :	-55/+125° C
Shock ⁴ :	No Elect. Discontinuity > 1µs @ 50g
Vibration ⁵ :	No Elect. Discontinuity > 1µs @ 10-2000HZ, 15 G
Moisture Sensitivity Level (MSL):	1 (Unlimited)
REACH Status:	REACH Unaffected

Mechanical Specs	
Durability:	100 Cycles Minimum
Mounting Hole:	.034" (0,864mm)

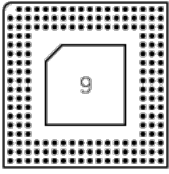
Materials	
Loose Pin/Receptacle # (Material):	0501 (Brass Alloy)
Shell Plating:	200 µ" Tin/Lead(93/7) over 100 µ" Nickel
Inner Contact #:	35
# Contact Fingers:	6
Inner Contact Material:	Beryllium Copper
Inner Contact Plating:	10 µ" Gold over 50 µ" Nickel
Insulator Material:	High Temp Thermoplastic

Electrical Specs	
Current Rating ⁶ :	3 Amps
Contact Resistance ⁷ :	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



179-18-095

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>)