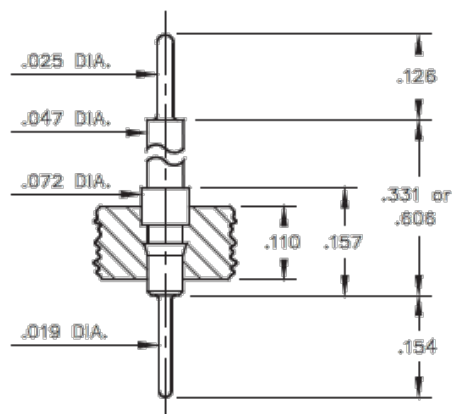




PRODUCT NUMBER: 551-90-092-11-041004

www.mill-max.com  
DATA SHEET

**SERIES 551**  
**HEADER PIN TYPE #5504 & #5505**



**General Info**

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Description<sup>1</sup>:</b> | Solder Tail PGA Header    |
| <b>Type:</b>                    | PGA                       |
| <b>Category:</b>                | Machined Pin Header       |
| <b>Mounting Style:</b>          | Through Hole Solder Mount |
| <b># Pins:</b>                  | 92                        |
| <b>Packaging<sup>2</sup>:</b>   | Packaged in Box or Tube   |
| <b>ECCN:</b>                    | EAR99                     |
| <b>HTSUS:</b>                   | 8536.90.4040              |
| <b>Product Lifecycle:</b>       | Active                    |

**551-90-092-11-041004- SPECIFICATIONS**

**Environmental Specs**

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

**Materials**

|                                           |                                          |
|-------------------------------------------|------------------------------------------|
| <b>Loose Pin/Receptacle # (Material):</b> | 5504 (Brass Alloy)                       |
| <b>Shell Plating:</b>                     | 200 μ" Tin/Lead(93/7) over 100 μ" Nickel |
| <b>Inner Plating:</b>                     |                                          |
| <b>Insulator Material:</b>                | High Temp Thermoplastic                  |

**Technical Specs**

|               |                 |
|---------------|-----------------|
| <b>L Dim:</b> | .331" (8,407mm) |
|---------------|-----------------|

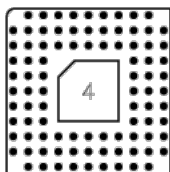
**Electrical Specs**

|                                         |                  |
|-----------------------------------------|------------------|
| <b>Rated Voltage:</b>                   | 100 VRMS/150 VDC |
| <b>Insulation Resistance:</b>           | 10,000 MΩ min.   |
| <b>Dielectric Withstanding Voltage:</b> | 1,000 VRMS min.  |

## NOTES:

1. Standard Tolerances:  
Assembly tolerance:  $\pm .010$ " (.25mm)  
Insulator length:  $\pm .005$ " (.13mm)  
Insulator width:  $\pm .005$ " (.13mm)  
Insulator height:  $\pm .005$ " (.13mm)  
Pin Length:  $\pm .005$ " (.13mm)  
Pin Diameter:  $\pm .002$ " (.051mm)  
Pin Angle:  $\pm 2^\circ$   
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)

## ADDITIONAL PARTS, PACKAGING, & ASSEMBLY INFO



092-11-041

## 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> )