E-tec offers any configuration. You may choose between open frame and closed frame socket bodies.

The E-tec PGA sockets with Insulator code “S” will be supplied either in plastic or FR4 Epoxy depending on material availability. If you wish to receive the sockets in FR4 Epoxy material only, then you need to specify the code “E” in the order code. If you only accept plastic, then you have to request E-tec for availability first.

All interstitial PGA (PGI) and Mini-Grid sockets (MGS) in any grid size and standard PGA sockets with grid size 19x19 or higher are delivered in FR4 Epoxy only.

**Series PGA & MGS**

<table>
<thead>
<tr>
<th>Pitch</th>
<th>1.27mm (.050&quot;) or 2.54mm (.100&quot;)</th>
</tr>
</thead>
</table>

**Series PGI**

Interstitial zig-zag pitch

<table>
<thead>
<tr>
<th>Pitch</th>
<th>2.54mm/1.27mm (.100&quot;/.050&quot;)</th>
</tr>
</thead>
</table>

**Plastic insulator dimensions**

<table>
<thead>
<tr>
<th>Pitch</th>
<th>2.54</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.54</td>
</tr>
<tr>
<td></td>
<td>1.27</td>
</tr>
</tbody>
</table>

| (n-1) x pitch | |

**Epoxy FR4 insulator dimensions**

<table>
<thead>
<tr>
<th>Pitch</th>
<th>1.57</th>
</tr>
</thead>
</table>

| (n-1) x 2.54 | |

### Specifications

#### Mechanical data

- **Insertion force (avg)**
- **Extraction force (standard)**
- **Contact life**
- **Solderability**
- **Contact security:**
  - Vibration
  - Shock

#### Electrical data

- **Contact resistance at 1A**
- **Current rating**
- **Contact capacitance at 1MHz**
- **Insulation resistance at 500V DC**
- **Breakdown voltage at 60 Hz**
- **Contact resistance**
- **Operating temperature**

#### Material

- Insulator: “S” version (RoHS compliant)
- “E” version (RoHS compliant)
- Terminal (RoHS compliant)
- Contact (RoHS compliant)

#### How to order

- **Series**
- **Nbr of contacts**
- **Insulator**
  - S = Standard for PGA
  - PBT or FR4 Epoxy (Depending on availability)
- **Terminal styles**
- **Grid Code**
  - Config Code will be given by the factory after receipt of the chip datasheet
  - Refer also to [www.e-tec.com](http://www.e-tec.com) for more information
- **Plating**
  - 95 = tin/gold (tin leadfree)
  - 55 = gold/gold
  - 99 = tin/tin (leadfree)

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PGA = Pin Grid Array pitch 2.54mm (.100")

PGI = Interstitial PGA pitch 2.54mm / 1.27mm (.100"/.050")

MGS = Mini Grid Array pitch 1.27mm (.050")

please refer to page 32
PGA/PGI - Series
Socket Terminal Styles

Standard PGA Socket

001 Standard terminal

008

009

010

For Solder Adapter use

180

182

Interstitial PGA Socket (PGI)

118

372