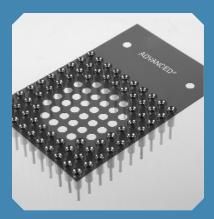
## **PGA Sockets**



#### Features:

- Low insertion force (1 oz. average per pin).
- Screw-machined terminals with multiple finger contacts for reliability.
- Closed bottom terminal for 100% anti-wicking of solder.
- Tapered entry for ease of insertion.
- · Custom designs available.

#### Specifications:

#### Terminals:

Brass - Copper Alloy (C36000) ASTM-B-16

#### Contacts:

Beryllium Copper (C17200) ASTM-B-194

#### Solder Preform:

Standard: 63Sn/37Pb Lead-free: 95.5Sn/4.0Ag/0.5Cu

#### Plating:

G - Gold over Nickel M - Matte Tin over Nickel T - Tin/Lead over Nickel

Gold per ASTM-B-488 Matte Tin per ASTM545-97 Tin/Lead per MIL-P-81728 Nickel per QQ-N-290

# ADVANCED INTERCONNECTIONS.

5 Energy Way, West Warwick, RI 02893 USA Tel: 800.424.9850 | 401.823.5200 Fax: 401.823.8723 info@advanced.com | www.advanced.com Catalog 16A

### Low Insertion Force PGA Sockets .100/(2.54mm) Standard Grid



RIS replaces HCIS, HCS, CIS, and CS. KIS replaces KS. FIS replaces FS.

#### **Options**

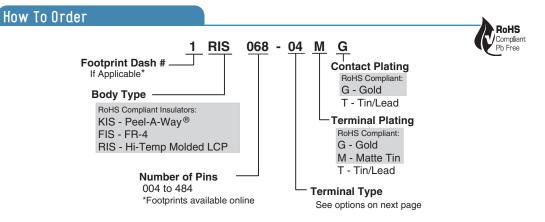


#### Tape Seal - add 3M to end of part number

- Removable tape seal protects plated contact in harsh environments
- Sealed socket will not allow dirt and other contaminants to enter socket chamber and become entrapped behind contact fingers
- · Spray flux without contaminating contact area

#### Material

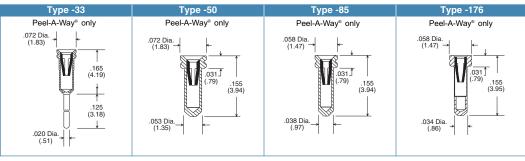
Silicone Backed Polyimide Film, -74°C to 260°C (-100°F to 500°F) Intermittent to 371°C (700°F)

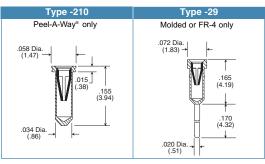


Note: Terminals plated with Matte Tin are available only with Gold plated contacts.

# Low Insertion Force PGA Sockets .100/(2.54mm) Standard Grid

#### Additional standard and custom terminals available. Standard Terminals See Terminals section or consult factory. Type -04 Type -01 Type -49 Type -51 .157/(3.99) Hole Depth Molded or FR-4 only .072 Dia. (1.83) → .072 Dia. (1.83) – .072 Dia. (1.83).120 (3.05) .130 (3.30) .021 Hole (.53) Dia. .095 (2.41) .110 (2.79) (3.18) .028 Dia. (.71)

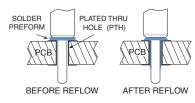




#### Solder Preform Terminals Tin/Lead: Type -150 Tin/Lead: Type -151 Tin/Lead: Type -111 Lead-free: Type -812 Lead-free: Type -811 Lead-free: Type -810 Peel-A-Way® only (1.83) (1.47) .165 (4.19) Solde .130 (3.30) Solder Preform Solder Preform .031 (.79)-.155 (3.94) .125 (3.18) .110 (2.79) 020 Dia .038 Dia. (.97)

#### Intrusive Reflow Application

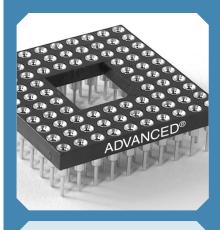




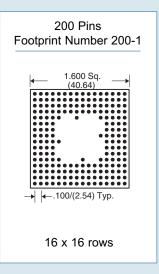
#### Solder Preform Terminals

- Combines the labor of socket loading and solder application into one operation.
- Eliminates the use of solder paste and screening operation.
- Eliminates solder bridges and/or solder shorts due to excess solder.
- Ensures a reliable solder joint with controlled solder volume.
- Ideal for surface mount and mixed technology applications.
- For custom solder preform terminal applications consult factory.

# **PGA Sockets**



#### Footprints:



- Full grid insulators loaded to your specific footprint.
- Open centers available upon request (consult factory).
- Hundreds of footprints available online.
- Use our online Build-A-Part feature or download a Footprints Booklet in PDF format.

#### Available Online:

- Extraction Tools
- RoHS Qualification Test Report
- CAD Drawings



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