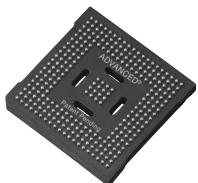


# **Ball Grid Array** (BGA) Sockets

5 Energy Way, P.O. Box 1019, West Warwick, RI 02893 USA Tel. 800-424-9850/401-823-5200 • Fax 401-823-8723 • Email info@advintcorp.com • Internet http://www.advintcorp.com

# **BGA Sockets**



## Features:

- Advanced<sup>®</sup> exclusive eutectic solder ball terminals offer superior SMT processing.
- Uses same footprint as BGA device.
- Proven long-term performance in vigorous temperature cycling applications - solder ball terminal absorbs TCE mismatch.
- Closed bottom socket terminal for 100% anti-wicking of solder.
- Gold contacts allow gold/gold interconnections to male Adapter pins.
- · Low insertion force socket with multifingered high reliability Beryllium Copper contacts.
- Coplanarity consistently under .006 inch industry standard.
- In-house Tape and Reel packaging available.
- See page 4 for How It Works.

#### Terminals and Contacts:

Terminals:	Brass - Copper Alloy (C36000) ASTM-B-16
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Contacts: Beryllium Copper - Copper Alloy (C17200), ASTM-B-194

#### Plating:

G - Gold over Nickel

#### **Body Material:**

M - Molded High Temp. Glass Filled Thermoplastic (P.P.S.), U.L. Rated 94V-O, -60°C to 260°C (-76°F to 500°F)

F - FR-4 Glass Epoxy, U.L. Rated 94V-O

## Solder:

63Sn/37Pb, Eutectic, 183°C (361.4°F)

## Standard Socket (S):

- Mates with Standard Adapter (A)
- Socket size same size as BGA device body
- Use with SMT Adapter for LGA and reworked BGA device socketing

## **Extraction Socket (SB):**

- Mates with Extraction Slot Adapter (AX)
- Socket size equals BGA body + .079/(2.0)
- Protects valuable PCB during device/adapter extraction - tool never touches PCB
- Available in 1.0, 1.27 and 1.5mm pitch only

## Guide Post Socket (SG):

- · Integral molded corners allow accurate positioning of device/adapter assembly in blind-mating applications.
- Mates with Extraction Slot Adapter (AX)
- Socket size equals BGA body + .276/(7.00)
- Available in 1.27 and 1.5mm pitch only

#### **Terminals:**

