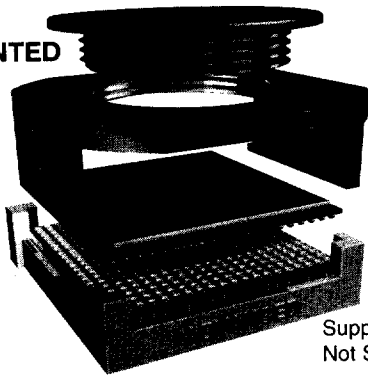


### True BGA Socket™

**PATENTED**



Support Plate  
Not Shown

#### Features:

- No soldering of BGA device required
- AIC exclusive eutectic solder ball terminals offer superior processing
- Uses same footprint as BGA device
- Designed for production, development, programming and test applications.
- Compact design maximizes PCB real estate:
  - TSG = Device Pkg. Size + 0.216/(5.5mm)
  - TSH = Device Pkg. Size + 0.374/(9.5mm)
- Available with integral, finned heat sink or coin screw clamp assembly
- Currently available in 1.0 and 1.27 mm pitch
- New short slide clamp reduces required space on PCB for installation
- 0.8mm and finer pitch under development
- Additional options and custom designs available.

#### Terminals and Contacts:

Terminal: Brass - Copper Alloy (C36000)  
Contact: Beryllium Copper (C17200)

#### Plating:

Plating: G - Gold over Nickel

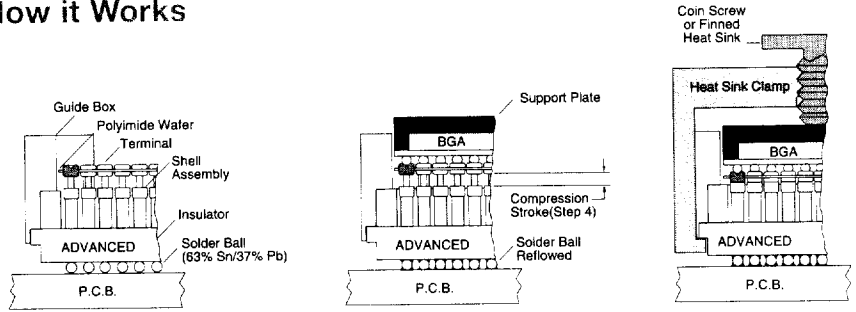
#### Body Material:

Terminal Support: Polyimide Film  
Spring: Beryllium Copper  
Clamp Assembly: Aluminum (Heat Sink/Coin Screw, Clamp, Support Plate)  
Insulator: Molded PPS High Temp Glass Filled Thermoplastic, U.L. Rated 94V-O, -60°C to 260°C (-76°F to 500°F)

#### Solder:

63Sn/37Pb Solder Ball, Eutectic, 183°C (361.4°F)

### How it Works

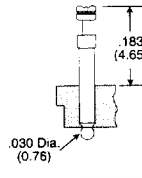


- Step 1 - Solder True BGA Socket™ to PCB
- Step 2 - Align and place BGA device on top of the True BGA Socket mating contacts. Place Chip Support Plate over BGA device.
- Step 3 - Slide clamp over assembly. Allow space on PCB for sliding clamp (approximately 33% of device package size on one side only). Refer to Clamp Sliding Directions for pin 1 location (pg. 6).
- Step 4 - Tighten Coin Screw or Finned Heat Sink to engage compression stroke.

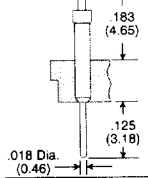
### 1.27mm Pitch Terminal Options

Standard Terminals  
for Test, Development and Production Applications

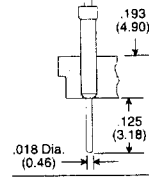
**Type -690**  
Surface Mount



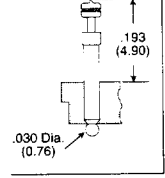
**Type -708**  
Thru-Hole



**Type -712**

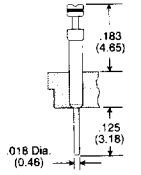


**Type -713**

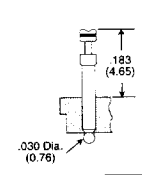


Terminals for BGA Device Test Applications  
(Consult Factory for Availability)

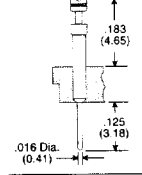
**Type -657**



**Type -659**

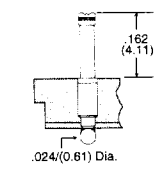


**Type -709**

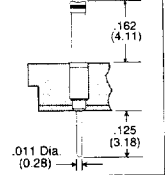


**1.0mm Pitch Terminals**  
for Test, Development and Production Applications

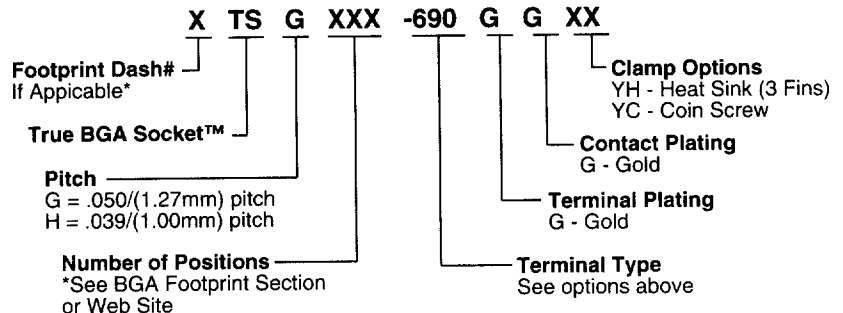
**Type -752**  
Surface Mount



**Type -754**  
Thru-Hole



### How To Order



Mechanical specifications for BGA device package required for quoting/ordering.