

## GHz BGA Socket - Direct mount, solderless

## **Features**

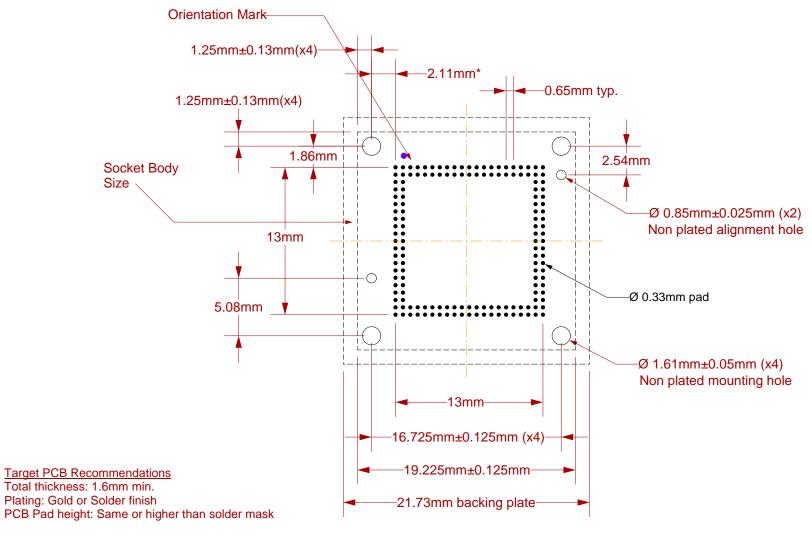
- Directly mounts to target PCB (needs tooling holes) with hardware.
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly

1	Clamshell Socket Lid: Black anodized Aluminum. Thickness = 10mm.
2	Socket base: Black anodized Aluminum. Thickness = 7.5mm.
3	Compression Plate: Black anodized Aluminum. Thickness = 2.5mm.
4	Compression screw: Socket head cap, alloy steel with black oxide finish, 0-80 fine thread ,1" long.
5	Elastomer: 20 micron dia gold plated brass filaments arranged symmetrically in a silicone rubber (63.5 degree angle). Thickness = 0.5mm.
6	Elastomer Guide: Non-clad FR4. Thickness = 0.475mm.
7	Ball Guide: Kapton polyimide.
8	Socket base screw: Socket head cap, alloy steel with black oxide finish, 0-80 fine thread ,1" long.
9	Insulation Plate: FR4/G10, Thickness = 1.59mm.
10	Backing Plate: Black anodized Aluminum. Thickness = 6.35mm.
11	Latch: Black anodized Aluminum.

SG-BGA-7107 Drawing		Status: Released	Scale:	-	Rev: A
	© 2007 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Ste 400 Burnsville, MN 55337	Drawing: J. Glab		Date: 9/27	7/07
Tele: (952) 229-8200	File: SG-BGA-7107 Dwg.mcd		Modified:		

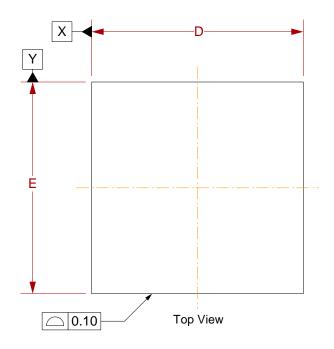
All tolerances: ±0.125mm (unless stated otherwise). Materials and specifications are subject to change without notice.

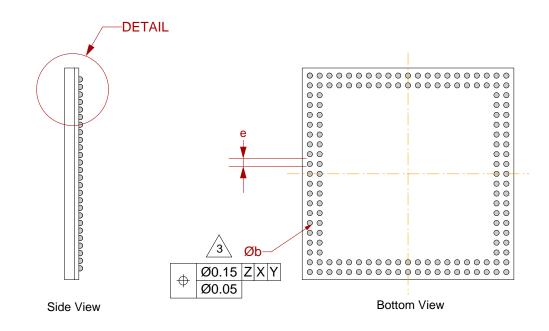
\*Note: BGA pattern is not symmetrical with respect to the mounting holes.

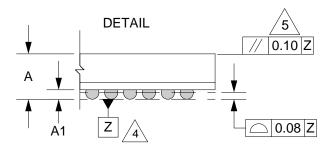


Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

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- 1. Dimensions are in millimeters.
- 2. Interpret dimensions and tolerances per ASME Y14.5M-1994.

Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.

Datum Z (seating plane) is defined by the spherical crowns of the solder balls.

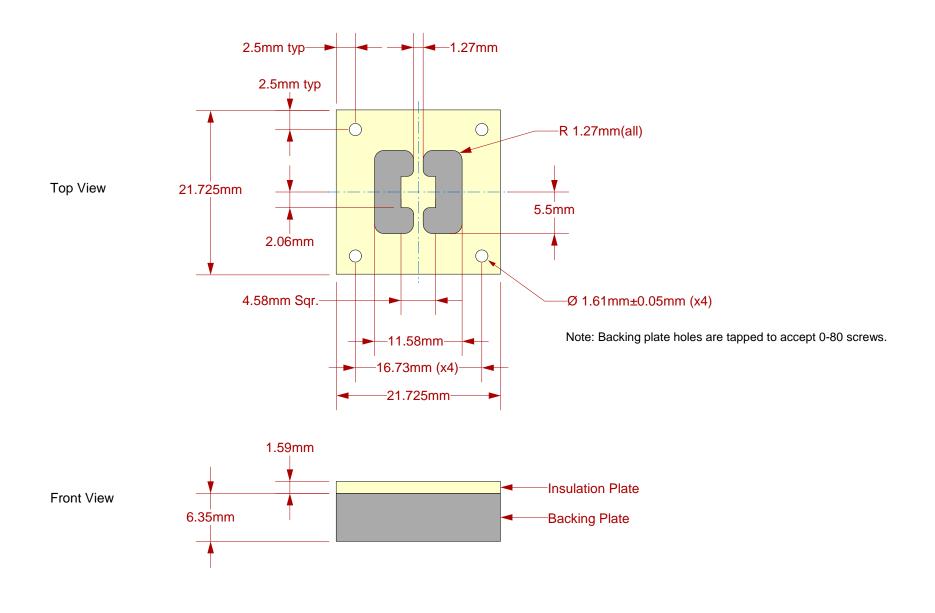
Parallelism measurement shall exclude all markings on top side of package.

DIM	MIN	MAX			
Α		1.20			
A1	0.27	0.37			
b		0.45			
D	14.00 BSC				
E	14.00 BSC				
е	0.65 BSC				

Array 21x21

All dimensions are in mm unless stated otherwise

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Description: Insulation Plate and Backing Plate

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All dimensions are in mm.
All tolerences are +/- 0.125mm.
(Unless stated otherwise)

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