

## GHz BGA Socket - Direct mount, solderless

## **Features**

Directly mounts to target PCB (needs tooling holes) with hardware.

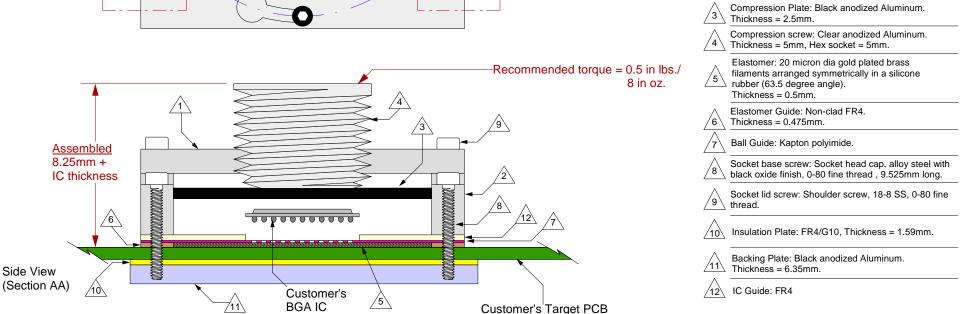
Socket Lid: Black anodized Aluminum.

Socket base: Black anodized Aluminum.

Thickness = 2.5mm.

Thickness = 5mm.

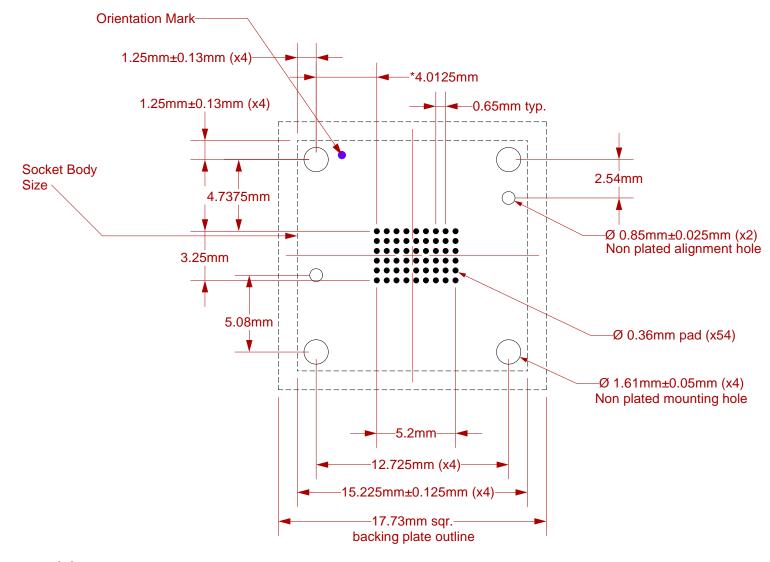
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Easily removable swivel socket lid



SG-BGA-7114 Drawing	Status: Released	Scale	-	Rev: B
© 2007 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: J. Glab		Date: 12/10/07	
	File: SG-BGA-7114 Dwg		Modified: 6/4/09, AE	

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; it is shifted by 0.25mm to the right...



Target PCB Recommendations
Total thickness: 1.6mm min.
Plating: Gold or Solder finish

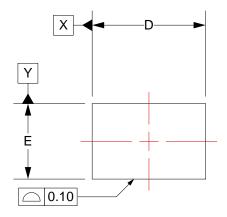
PCB Pad height: Same or higher than solder mask

All dimensions are in mm unless stated otherwise

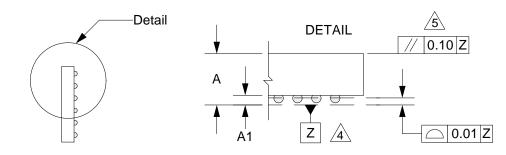
Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

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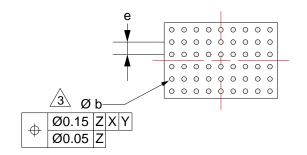
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Top View



Side View



**Bottom View** 

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

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



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

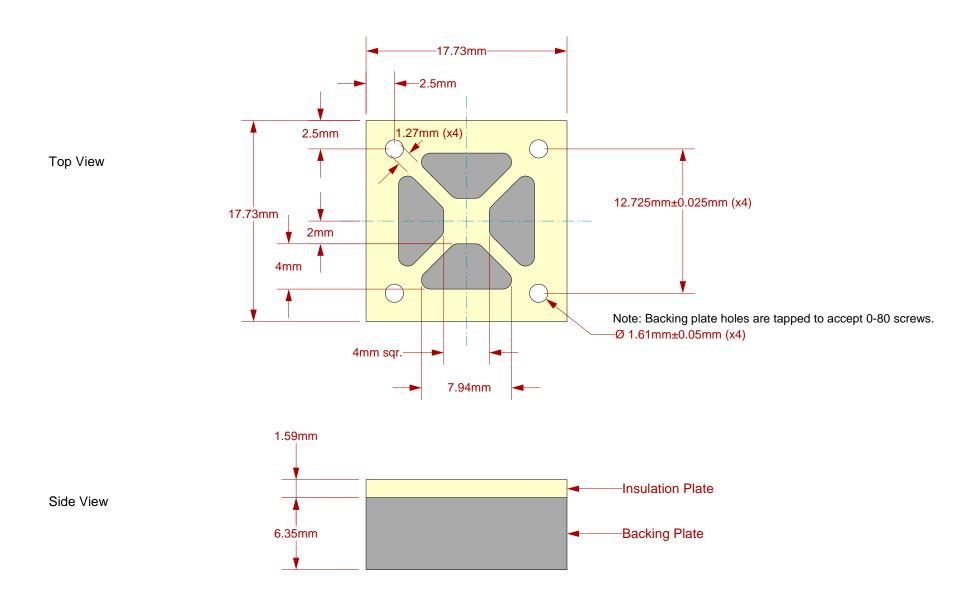


Parallelism measurement shall exclude any effect of mark on top surface of package.

DIM	MIN	MAX		
Α		1.08		
A1	0.12	0.22		
b	0.25 typ.			
D	6.0 BSC			
E 4.0 BSC				
е	0.65 BSC			

9 x 6 array

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Description: Insulation Plate and Backing Plate

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

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