

(Section AA)

## GHz BGA Socket - Direct mount, solderless

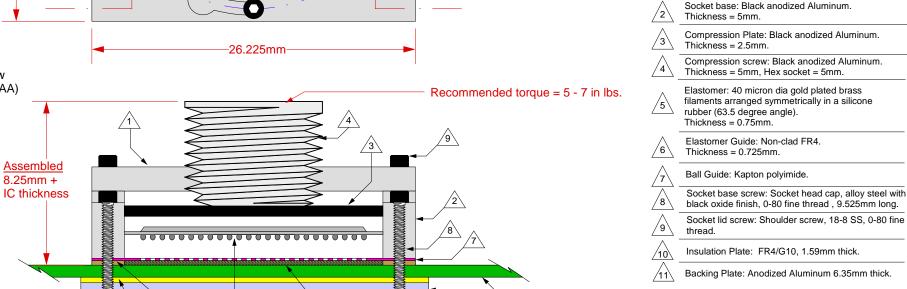
## **Features**

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

Socket Lid: Black anodized Aluminum.

Thickness = 2.5mm.

- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Ball guide prevents over compression of elastomer
- Easily removable swivel socket lid

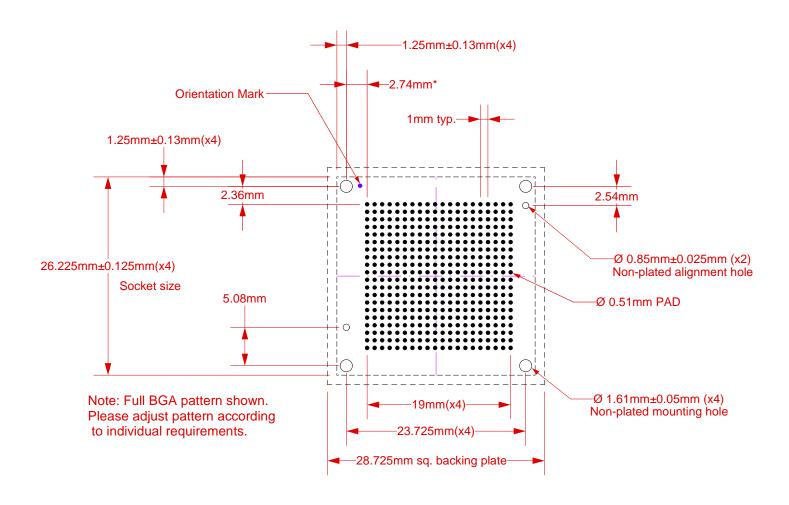


Customer's Target PCB

SG-BGA-6052 Drawing	Status: Released	Scale:	-	Rev: D
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Suite 400, Burnsville MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: H. Hansen		Date: 8/13/02	
	File: SG-BGA-6052 Dwg.mcd		Modified: 7/8/09, AE	

Customer's BGA IC

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



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

PCB Pad height: Same or higher than solder mask

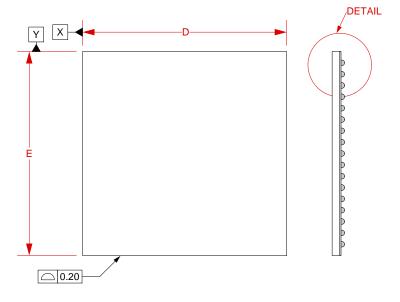
NOTE: Steel backing plate may be required based on end user's application

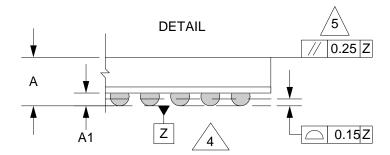
Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

SG-BGA-6052 Drawing	Status: Released	Scale	2:1	Rev: D
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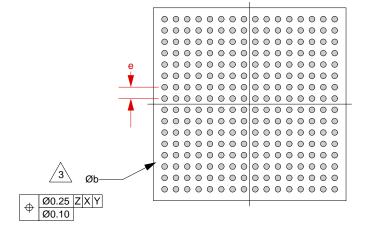
TOP VIEW (Reference Only)

SIDE VIEW (Reference Only)





BOTTOM VIEW (Reference Only)



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

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

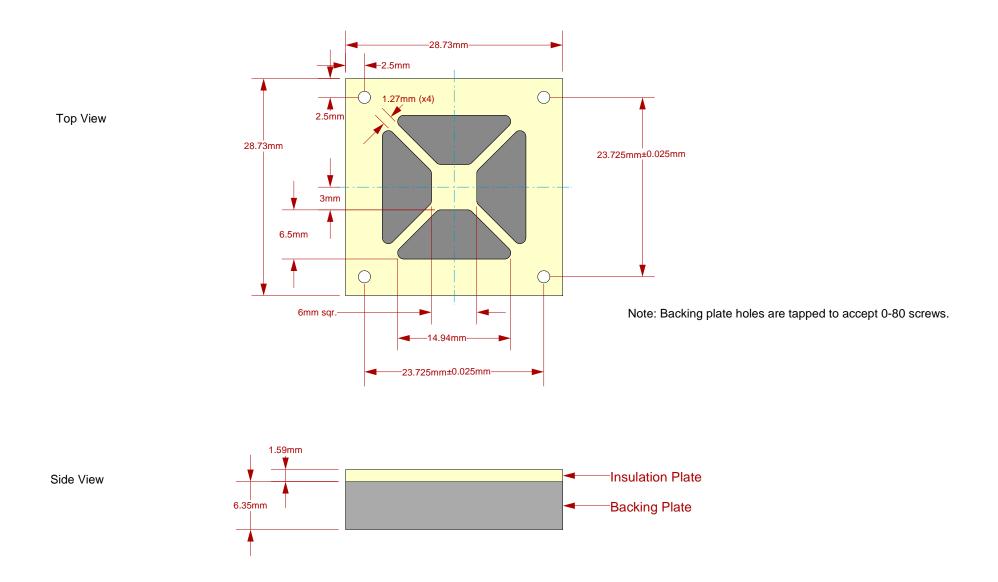
Datum Z (seating plane) is defined by the spherical crowns of the solder balls.

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

DIM	MIN	MAX		
Α		1.74		
A1	0.45	0.55		
b		0.63		
D	21.00 BSC			
Е	21.00 BSC			
е	1.0 BSC			

Array 20x20

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Description: Backing Plate with Insulation Plate

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