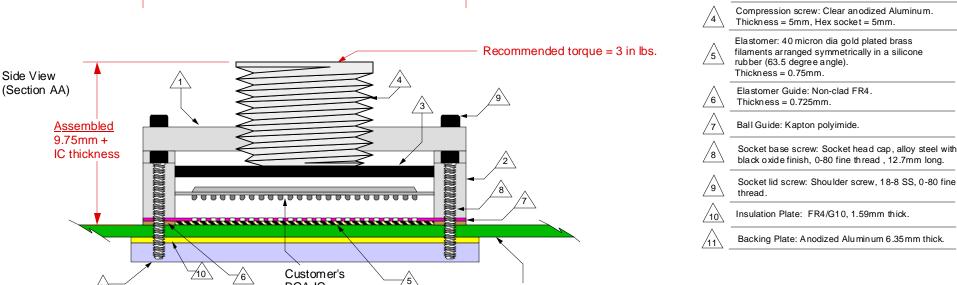
## Top View 24.225mm 24.225mm

## 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
- Ball guide prevents over compression of elastomer
- Easily removable swivel socket lid



Customer's Target PCB

Thickness = 6.5mm. Compression Plate: Black anodized Aluminum. Thickness = 2.5mm. Compression screw: Clear an odized Aluminum. Thickness = 5mm, Hex socket = 5mm. Elastomer: 40 micron dia gold plated brass filaments arranged symmetrically in a silicone Socket base screw: Socket head cap, alloy steel with black oxide finish, 0-80 fine thread, 12.7mm long.

Socket Lid: Black anodized Aluminum.

Socket base: Black anodized Aluminum.

Thickness = 2.5mm.

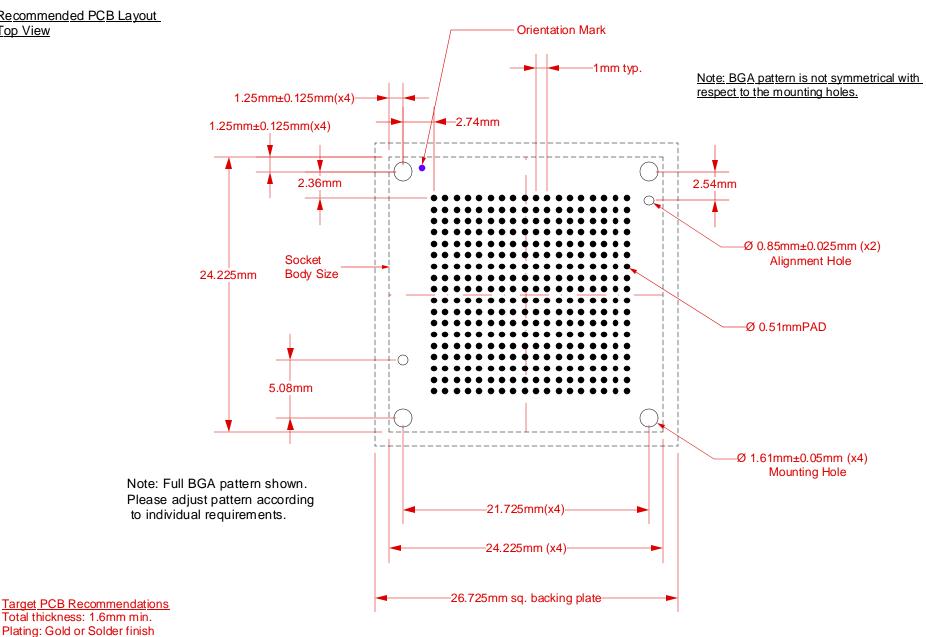
SG-BGA-6144 Drawing Scale: -Status: Released Rev: C © 2009 IRONWOOD ELECTRONICS, INC. Drawing: H. Hansen Date: 1/25/05 11351 Rupp Dr. Suite 400, Burnsville MN 55337 Tele: (952) 229-8200 File: SG-BGA-6144 Dwa Modified: 7/17/09, AE

BGA IC

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

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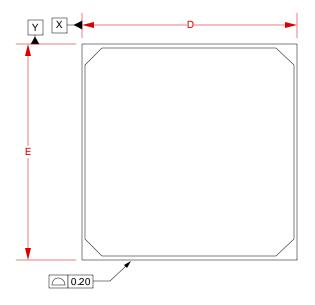
Total thickness: 1.6mm min. Plating: Gold or Solder finish

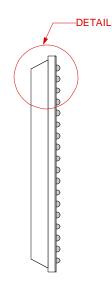
PCB Pad height: Same or higher than solder mask

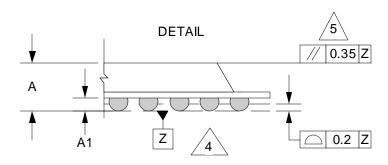
NOTE: Steel backing plate may be required based on end user's application

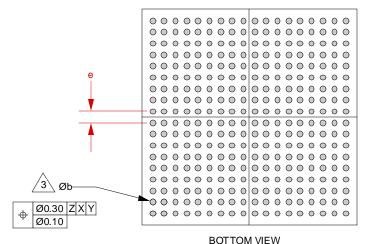
Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

SG-BGA-6144 Drawing	Status: Released	Scale:	-	Rev: C
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	File: SG-BGA-6144 Dwg		Modified: 7/17/09, AE	







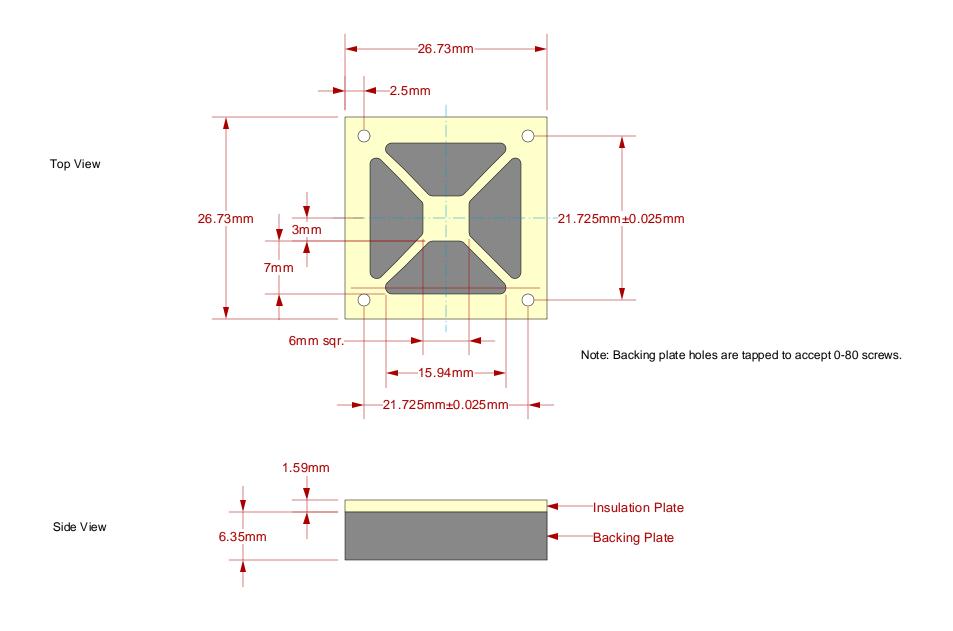


- 1. Dimensions are in millimeters.
- Interpret dimensions and tolerances per ASME Y14.5M-1994.
- Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
- Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
  - Parallelism measurement shall exclude any effect of mark on top surface of package.

DIM	MIN	MAX		
А		2.0		
A1	0.4	0.6		
b		0.70		
D	19.00 BSC			
Е	19.00 BSC			
е	1.0 BSC			

Array: 18x18

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	File: SG-BGA-6144 Dwg		Modified: 7/17/09, AE	



Description: Backing Plate with Insulation Plate

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	File: SG-BGA-6144 Dwg		Modified: 7/17/09, AE	

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