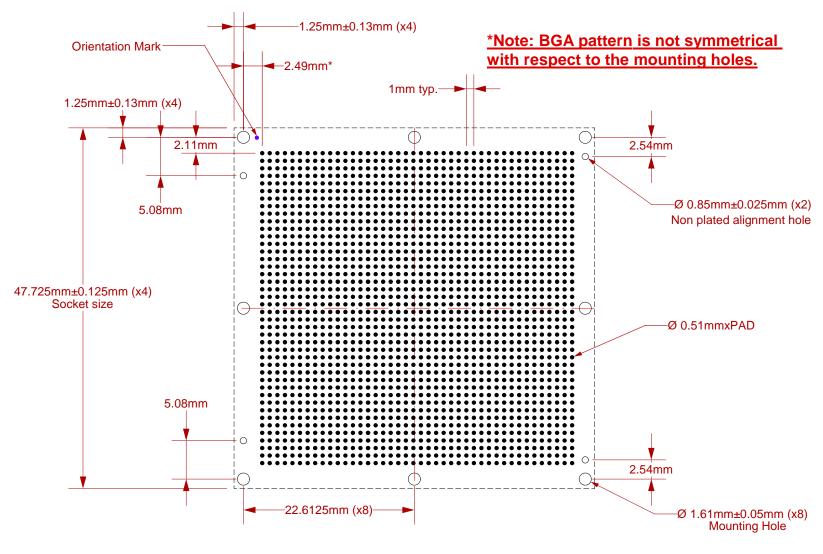


SG-BGA-6130 Drawing	Status: Released	Scale	: -	Rev: B
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: Heidi Hansen		Date: 9/8/04	
	File: SG-BGA-6130 Dwg		Modified:	8/3/09, AE

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



Target PCB Recommendations
Total thickness: 2.4mm min.
Plating: Gold or Solder finish

PCB Pad height: Same or higher than solder mask

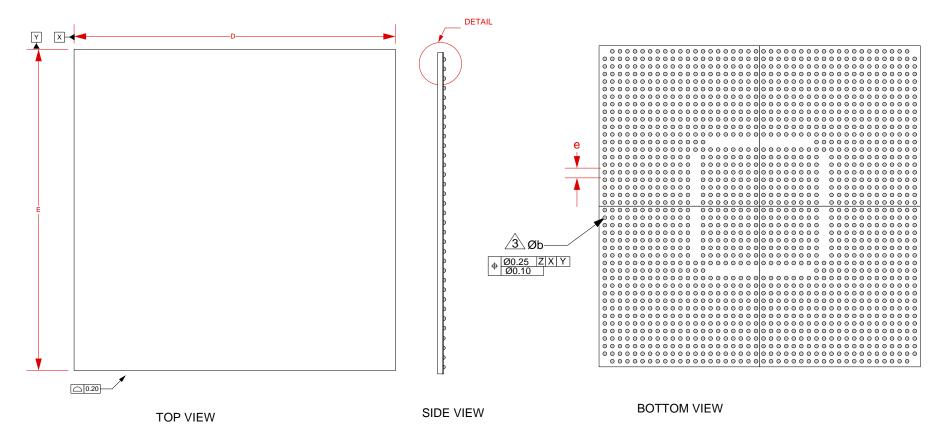
NOTE: Steel backing plate may be required based on end user's application

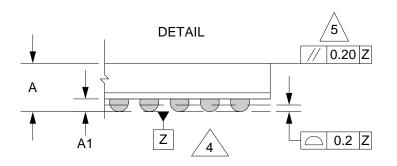
PCB top side view (component side)

PCB top side x-ray view (solder side)

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

SG-BGA-6130 Drawing	Status: Released	Scale: 2:1		Rev: B
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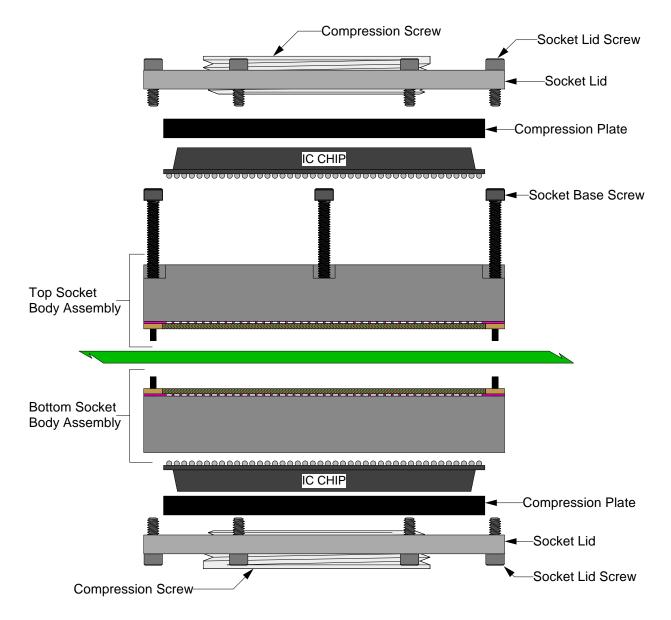


- 1. Dimensions are in millimeters.
- Interpret dimensions and toleraces per ASME Y14.5M-1994.
- Dimension b is measured at the maximum solder ball diameter, parallel to datum plame Z.
- Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
- Parallelism measurement shall exclude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

DIM	MIN	MAX		
Α		3.45		
A1	0.40	0.60		
b		0.70		
D	42.50 BSC			
Е	42.50 BSC			
е	1.0 BSC			

Array: 42x42

so	G-BGA-6130 Drawing	Status: Released	Scale:	-	Rev: B
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	File: SG-BGA-6130 Dwg		Modified: 8/3/09, AE		



## **USER INSTRUCTIONS:**

- 1. Press socket base assemblies into target board aligning dowel pins into tooling holes.
- 2. Screw socket base screws into top socket base assembly through to bottom socket base assembly.
- 3. Place in IC chip (note orientation) and compression plate into top socket base assembly.
- 4. Screw socket lid onto top socket base assembly.
- 5. Place in IC chip (note orientation) and compression plate into bottom socket base assembly.
- 6. Screw socket lid onto bottom socket base assembly.
- 7. Apply 33 in/lb recommened torqe in one side with initial increments of 5 in-lbs and 36 in-lbs on the other side with initial increments of 5 in-lbs on alternating top and bottom compression screws.

SG-BGA-6130 Drawing	Status: Released	Scale:	2:1	Rev: B
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Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-6130 Dwg		Modified: 8/3/09, AE	

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