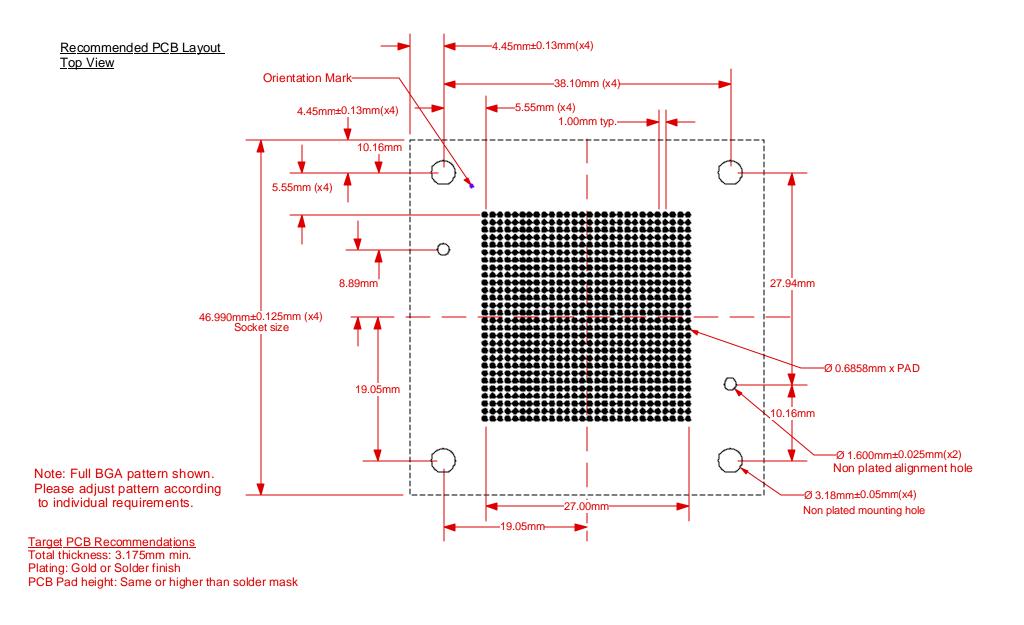


	SG-BGA-6123 Drawing	Status: Released	Scale:	N/A	Rev: A	
	© 2003 IRONWOOD ELECTRONICS, INC. PO BOX 21151 ST. PAUL, MN 55121	Drawing: H. Hansen	lansen Date		e: 8/3/04	
	Tele: (651) 452-8100 www.ironwoodelectronics.com	File: SG-BGA-6123 Dwg		Modified:		o a

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



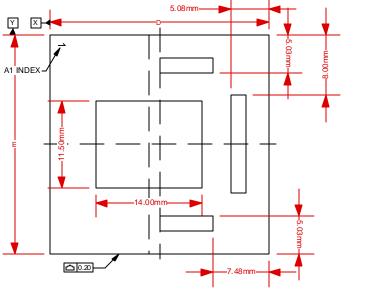
NOTE: Steel backing plate may be required based on end user's application

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

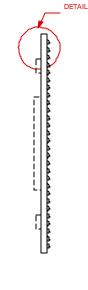
SG-BGA-6123 Drawing	Status: Released	Scale:	2:1	Rev: A
© 2003 IRONWOOD ELECTRONICS, INC. PO BOX 21151 ST. PAUL, MN 55121 Tele: (651) 452-8100 www.ironwoodelectronics.com	Drawing: H. Hansen		Date: 8/3/04	
	File: SG-BGA-6123 Dwg		Modified:	

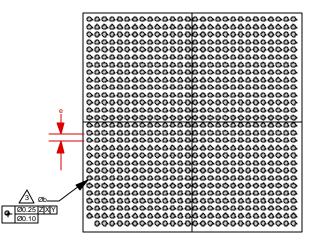
PAGE 2 of 5

Compatible BGA Spec



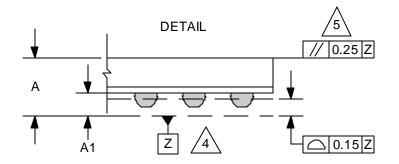






SIDE VIEW

BOTTOM VIEW



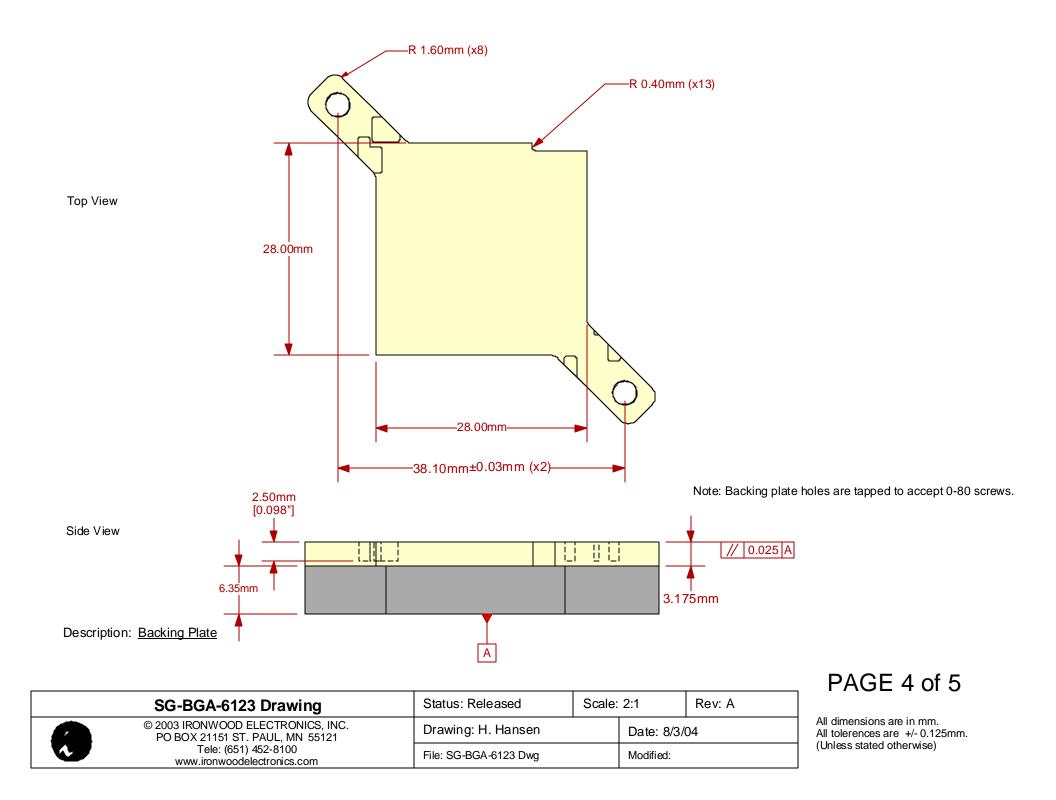
- 1. Dimensions are in millimeters.
- 2. Interpret dimensions and toleraces per ASME Y14.5M-1994.
- △ Dimension b is measured at the maximum solder ball diameter, parallel to datum plame Z.
- $\begin{tabular}{ll} \hline \end{tabular} \Delta & \end{tabular} \end{tabular} Datum Z (seating plane) is defined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

DIM	MIN	MAX	
А		3.75	
A1	0.3	0.5	
b		0.6	
D	29.0 BSC		
Е	29.0 BSC		
е	1.0 BSC		

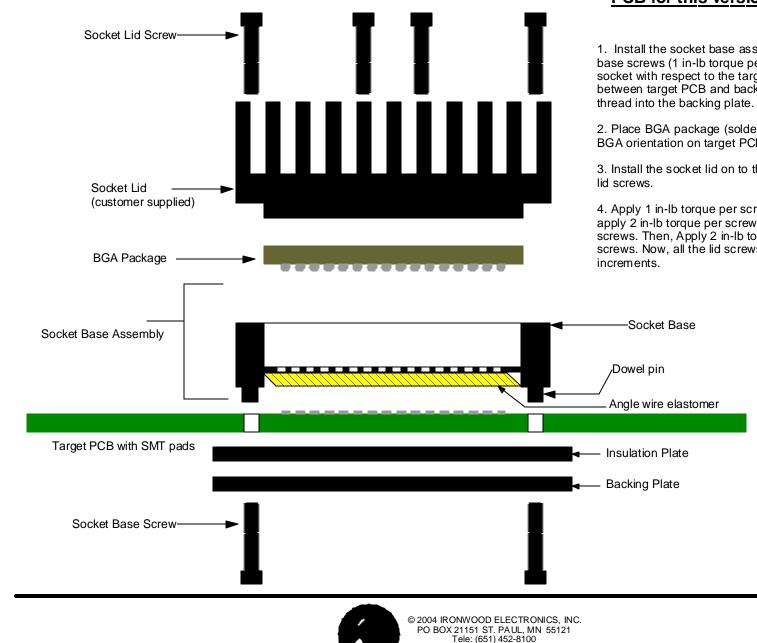
Array 28x28

SG-BGA-6123 Drawing	Status: Released	Scale	: 2:1	Rev: A	
© 2003 IRONWOOD ELECTRONICS, INC. PO BOX 21151 ST. PAUL, MN 55121	Drawing: H. Hans	Drawing: H. Hansen		Date: 8/3/04	
Tele: (651) 452-8100 www.ironwoodelectronics.com	File: SG-BGA-6123 [File: SG-BGA-6123 Dwg		Modified:	

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Socket (direct mount - hardware) User Instructions



www.ironwoodelectronics.com

Tooling holes have to be designed into the target PCB for this version of the GHz BGA socket

1. Install the socket base assembly on the target PCB with the socket base screws (1 in-lb torque per screw). Check orientation of the socket with respect to the target PCB. Place insulation plate in between target PCB and backing plate. Socket base screws will thread into the backing plate.

2. Place BGA package (solder ball side down) into the socket. NOTE: BGA orientation on target PCB is critical.

3. Install the socket lid on to the socket base assembly using socket lid screws.

4. Apply 1 in-lb torque per screw on two opposite lid screws. Then, apply 2 in-lb torque per screw on the remaining two opposite lid screws. Then, Apply 2 in-lb torque per screw on the initial two lid screws. Now, all the lid screws have 2 in-lb torque applied in gradual increments.

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