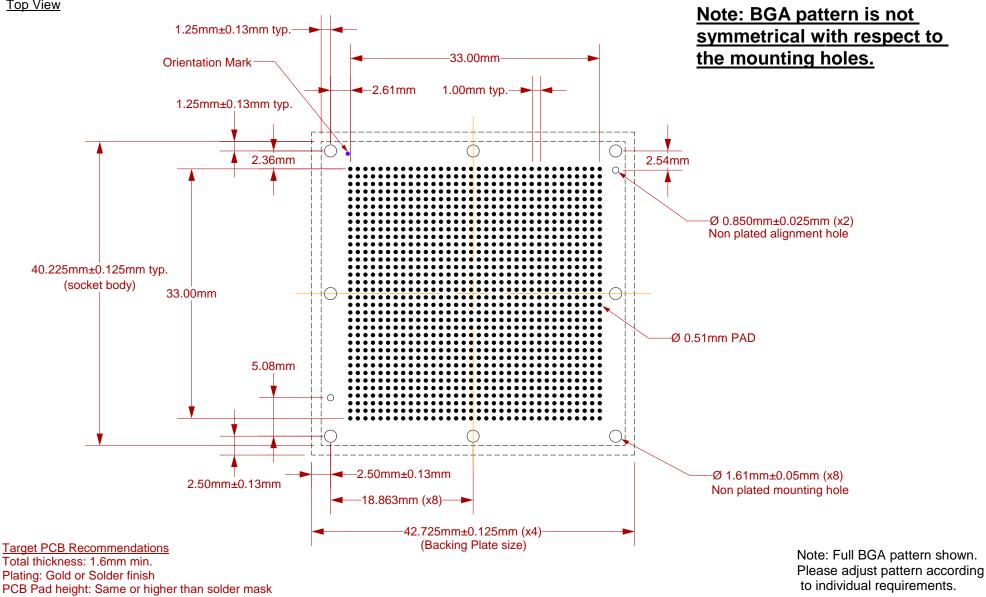


Recommended PCB Layout

Top View



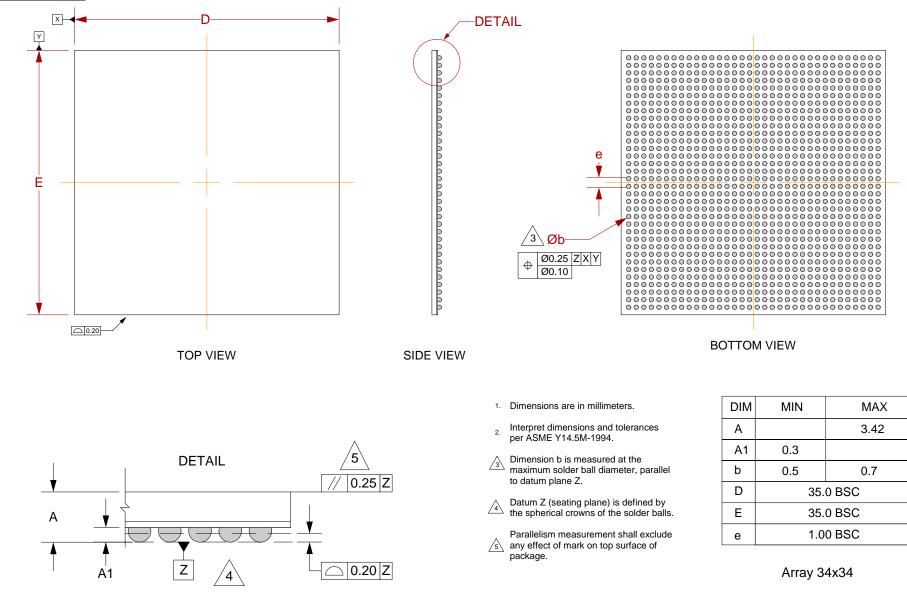
NOTE: Steel backing plate may be required based on end user's application

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

SG-BGA-8001 Drawing	Status: Released	Scale: -	Rev: A	
© 2007 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337	Drawing: J. Glab Date		16/07	
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-8001 Dwg	Modified	Modified:	

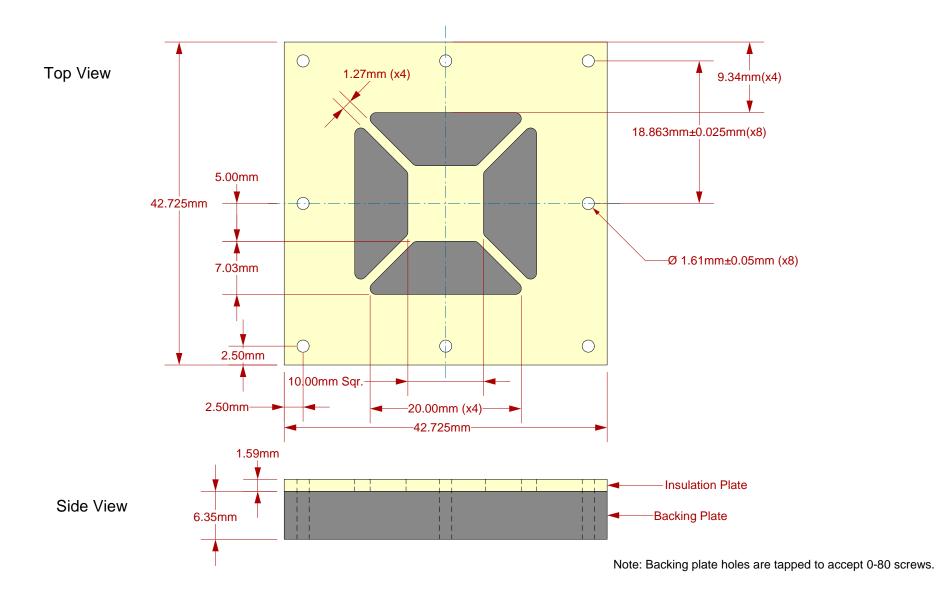
GE 2 of 5





SG-BGA-8001 Drawing	Status: Released	Scale:	: -	Rev: A	
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Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-8001 Dwg		Modified:		

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Description: Insulation Plate and Backing Plate

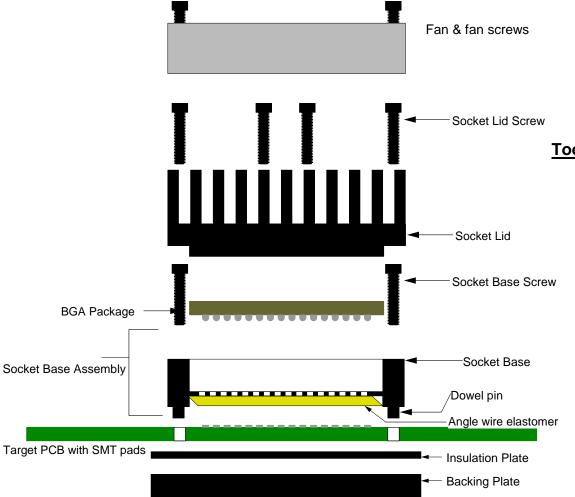
SG-BGA-8001 Drawing	Status: Released	Scale: -	Rev: A	
© 2007 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: J. Glab	Date:	Date: 3/16/07	
	File: SG-BGA-8001 Dwg	Modifi	Modified:	

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

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C7036 Socket (direct mount - hardware)

User Instructions



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 torque of 8, 12, and 16 in-oz per lid screw in gradual increments on all lid screws in X-fashion. The recommended torque driver is TL-TORQUEDRIVER-08.

5. Mount fan on top of heat sink lid using fan screws.

SG-BGA-8001 Drawing	Status: Released	Scale:	-	Rev: A
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	File: SG-BGA-8001 Dwg		Modified:	

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