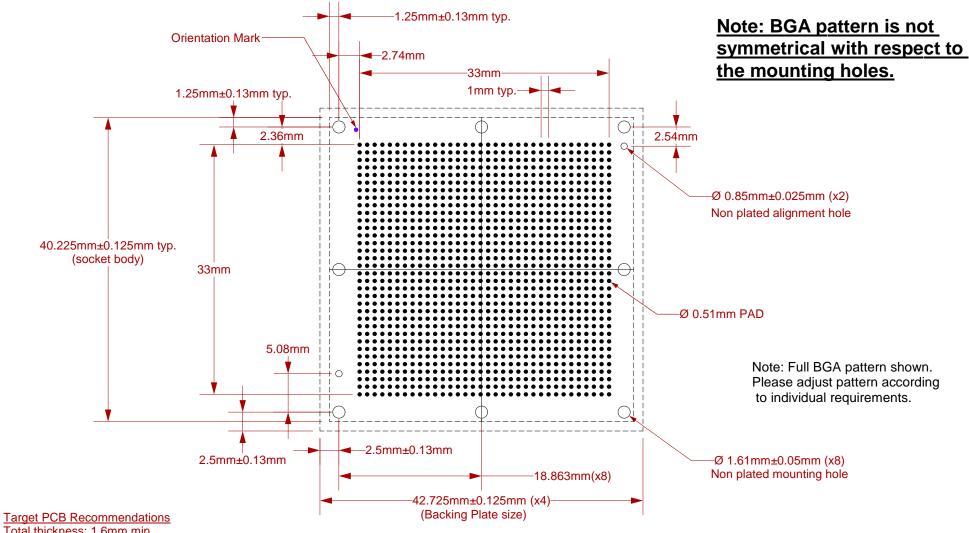


SG-BGA-6196 Drawing		Status: Released	Scale	: -	Rev: B
	© 2006 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: J. Glab		Date: 10/24/06	
		File: SG-BGA-6196 Dwg		Modified: 5/19/09	

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



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

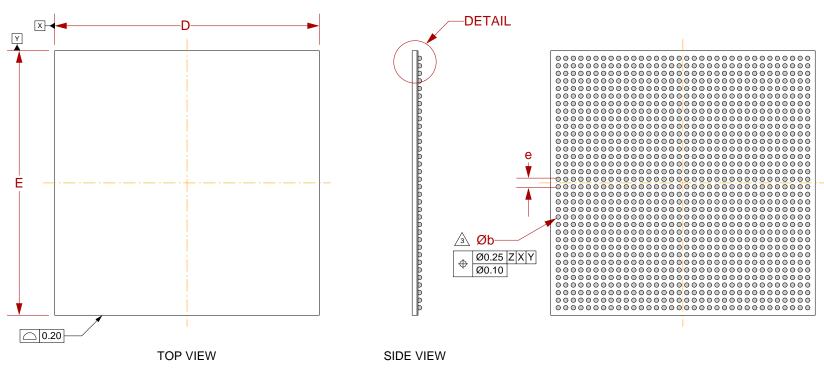
PCB Pad height: Same or higher than solder mask

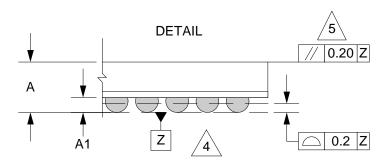
NOTE: Steel backing plate may be required based on end user's application

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

SG-BGA-6196 Drawing	Status: Released	Scale: -	Rev: B
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Compatible BGA Spec





BOTTOM VIEW

↑ 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.

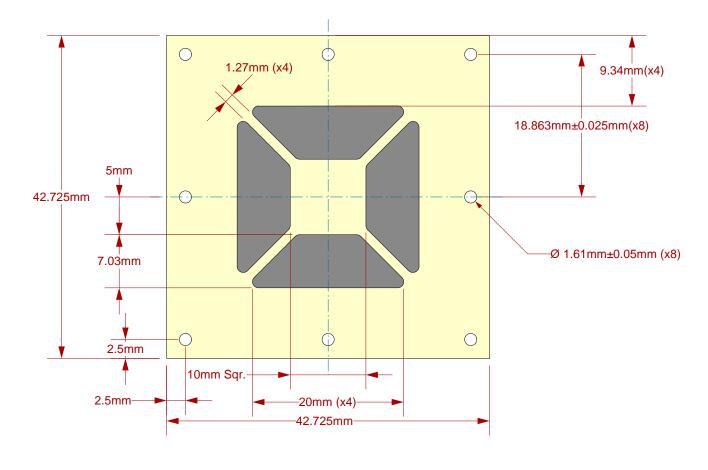
Parallelism measurement shall exclude any effect of mark on top surface of package.

DIM	MIN	MAX		
Α		3.5		
A1	0.3	0.5		
b	0.5	0.7		
D	35.0 BSC			
Е	35.0 BSC			
е	1.00 BSC			

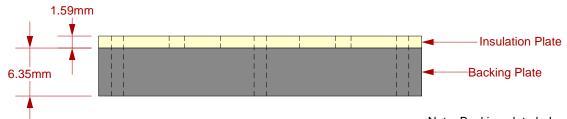
Array 34x34

SG-BGA-6196 Drawing		Status: Released	Scale:	-	Rev: B
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		File: SG-BGA-6196 Dwg		Modified: 5/19/09	





Side View



Note: Backing plate holes are tapped to accept 0-80 screws.

Description: Insulation Plate and Backing Plate

SG-BGA-6196 Drawing		Status: Released Scale:		: -	Rev: B
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	Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-6196 Dwg		Modified: 5/19/09	

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