

GHz BGA Socket - Direct mount, solderless

Features

Directly mounts to target PCB (needs tooling holes) with hardware.

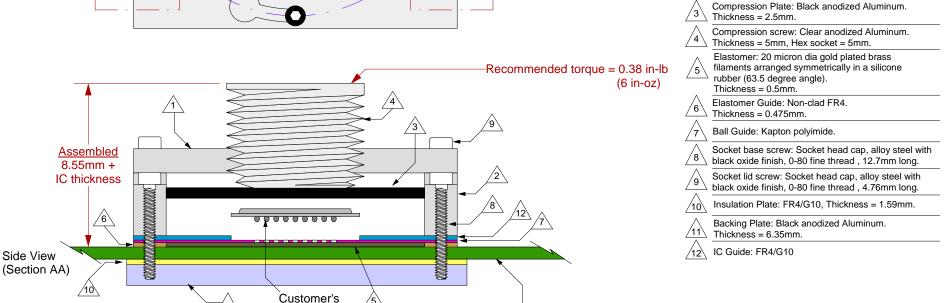
Socket Lid: Black anodized Aluminum.

Socket base: Black anodized Aluminum.

Thickness = 2.5mm.

Thickness = 5mm.

- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Easily removable swivel socket lid

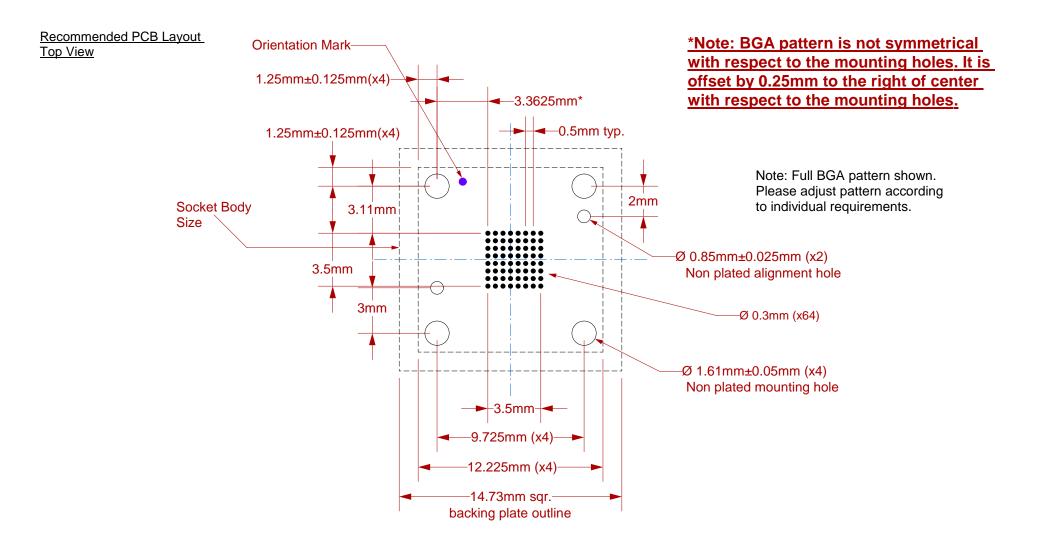


Customer's Target PCB

SG-BGA-7154 Drawing	Status: Released	Scale:	: -	Rev: A
© 2009 IRONWOOD ELECTRONICS, INC. 11351, Rupp Dr., Suite 400, Burnsville, MN 55337	Drawing: M.A. Fedde		Date: 11/5/09	
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-7154 Dwg		Modified:	

BGAIC

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



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

PCB Pad height: Same or higher than solder mask

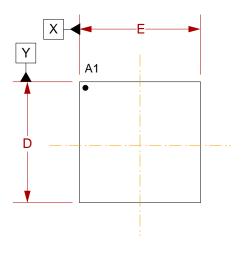
All dimensions are in mm unless stated otherwise

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

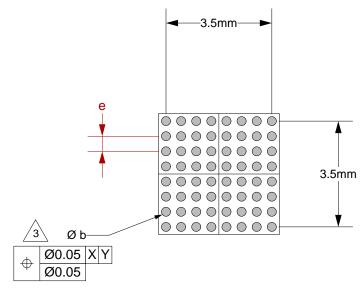
SG-BGA-7154 Drawing	Status: Released	Scale: 4:1		Rev: A
© 2009 IRONWOOD ELECTRONICS, INC. 11351, Rupp Dr., Suite 400, Burnsville, MN 55337	Drawing: M.A. Fedde		Date: 11/5/09	
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-7154 Dwg		Modified:	

PAGE 2 of 4

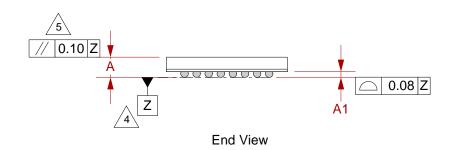
Compatible BGA Spec



Top View



Bottom View



- 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.

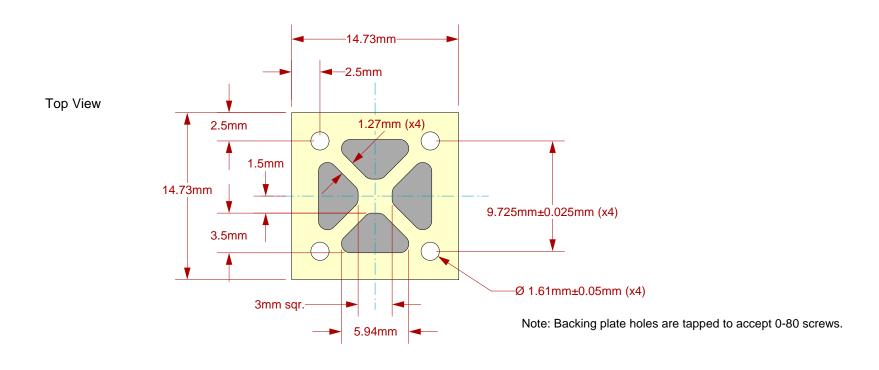
DIM	MIN	MAX		
Α		0.8		
A1	0.15			
b	0.25	0.35		
D	4.0 BSC			
Е	4.0 BSC			
е	0.5 BSC			

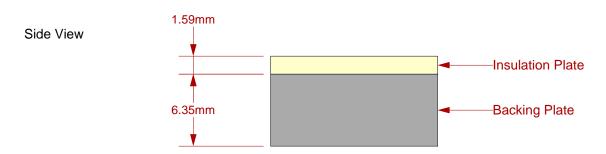
8x8 array

All dimensions are in mm unless stated otherwise

SG-BGA-7154 Drawing	Status: Released	Scale: -		Rev: A
© 2009 IRONWOOD ELECTRONICS, INC. 11351, Rupp Dr., Suite 400, Burnsville, MN 55337	Drawing: M.A. Fedde		Date: 11/5/09	
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-7154 Dwg		Modified:	

PAGE 3 of 4





Description: Insulation Plate and Backing Plate

SG-BGA-7154 Drawing	Status: Released	Scale:	-	Rev: A
© 2009 IRONWOOD ELECTRONICS, INC. 11351, Rupp Dr., Suite 400, Burnsville, MN 55337	Drawing: M.A. Fedde		Date: 11/5/09	
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-7154 Dwg		Modified:	

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