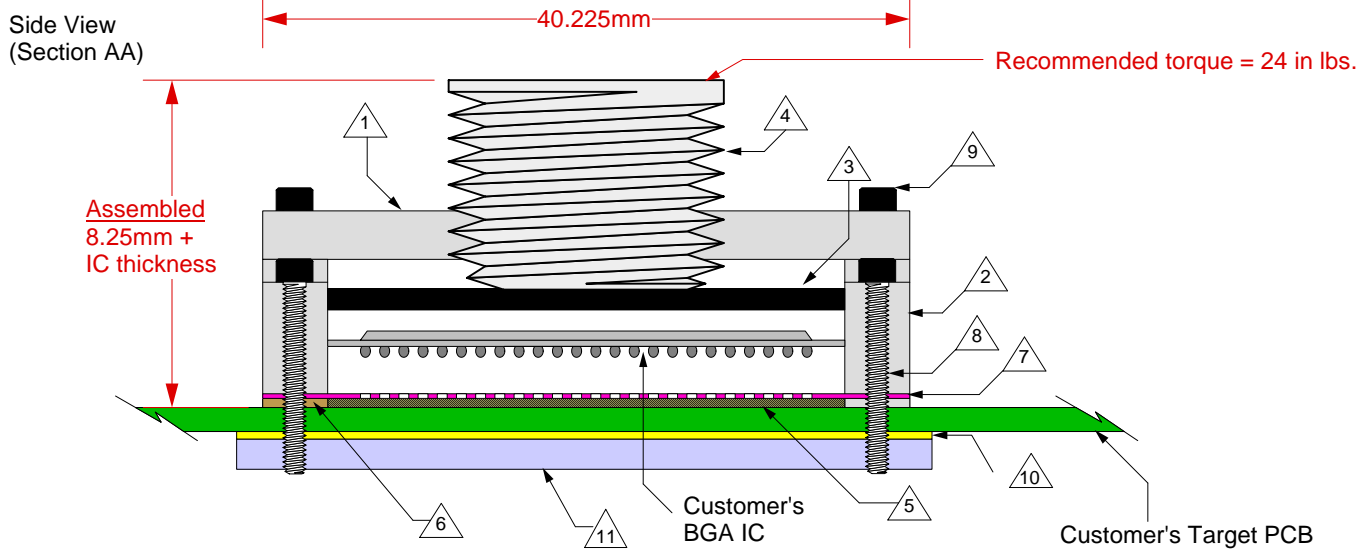
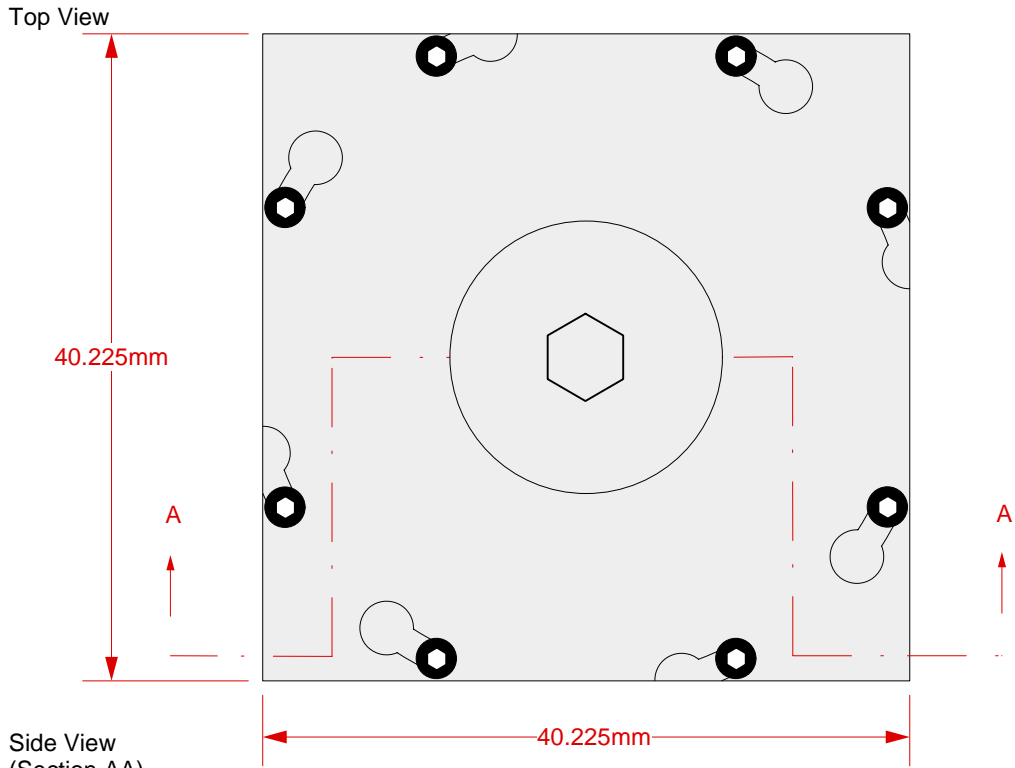



GHz BGA Socket - Direct mount, solderless

Features

- Directly mounts to target PCB (needs tooling holes) with hardware.
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Ball guide prevents over compression of elastomer
- Easily removable swivel socket lid



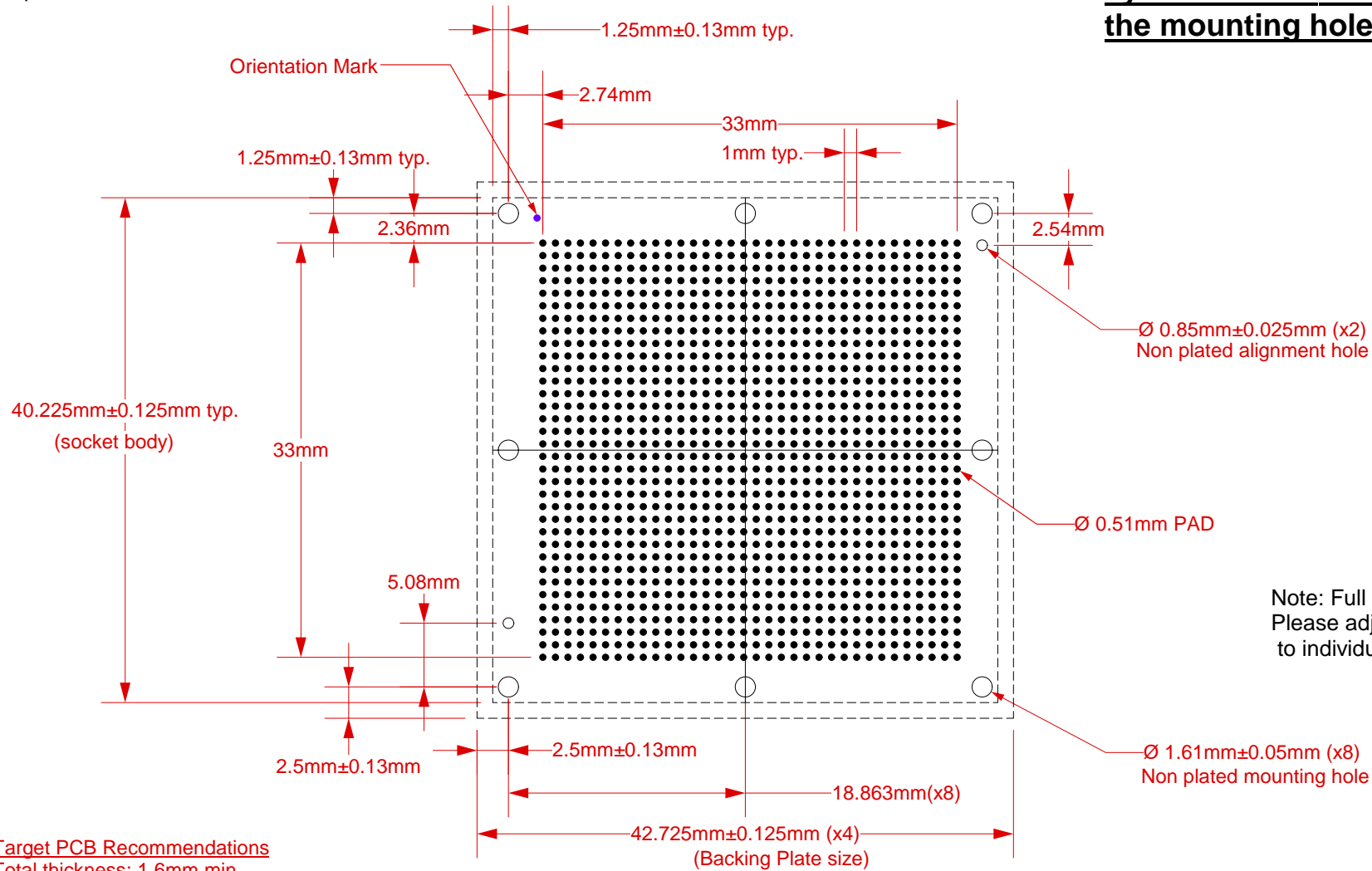
- 1 Socket Lid: Black anodized Aluminum. Thickness = 2.5mm.
- 2 Socket base: Black anodized Aluminum. Thickness = 6.5mm.
- 3 Compression Plate: Black anodized Aluminum. Thickness = 2.5mm.
- 4 Compression screw: Clear anodized Aluminum. Thickness = 5mm, Hex socket = 5mm.
- 5 Elastomer: 40 micron dia gold plated brass filaments arranged symmetrically in a silicone rubber (63.5 degree angle). Thickness = 0.75mm.
- 6 Elastomer Guide: Cirlex or equivalent. Thickness = 0.75mm.
- 7 Ball Guide: Kapton polyimide.
- 8 Socket base screw: Socket head cap, alloy steel with black oxide finish, 0-80 fine thread, 9.525mm long.
- 9 Socket lid screw: Shoulder Screw, 18-8 SS, 0-80 fine thread.
- 10 Insulation Plate: FR4/G10, 1.59mm thick.
- 11 Backing Plate: Black anodized Aluminum. Thickness = 6.35mm.

	SG-BGA-6230 Drawing	Status: Released	Scale: -	Rev: B
	© 2009 IRONWOOD ELECTRONICS, INC. Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: J. Glab	Date: 07/05/07	
		File: SG-BGA-6230 Dwg.mcd	Modified: 1/27/09	

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

Recommended PCB Layout
Top View

Note: BGA pattern is not symmetrical with respect to the mounting holes.




Note: Full BGA pattern shown. Please adjust pattern according to individual requirements.

Target PCB Recommendations

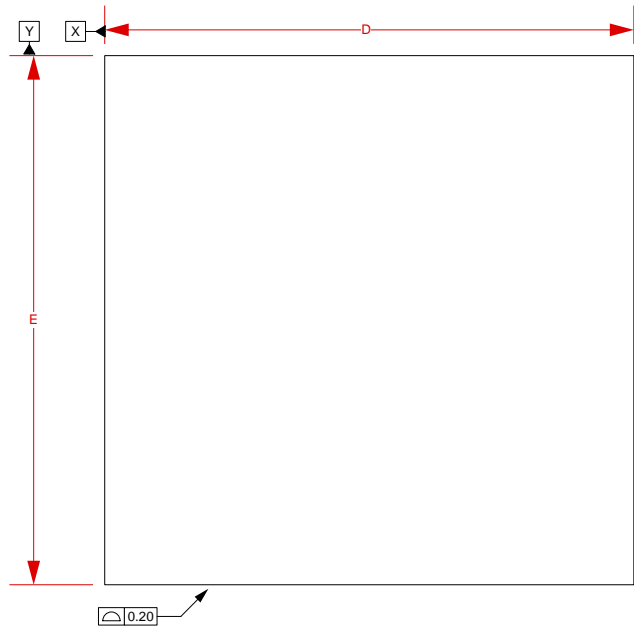
Total thickness: 1.6mm min.
Plating: Gold or Solder finish
PCB Pad height: Same or higher than solder mask

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

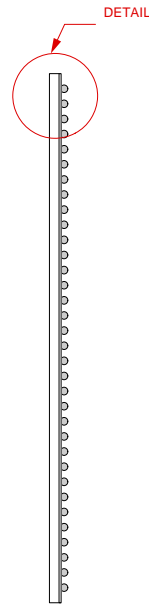
Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

<p>SG-BGA-6230 Drawing</p>	<p>Status: Released</p>	<p>Scale: -</p>	<p>Rev: B</p>
 <p>© 2009 IRONWOOD ELECTRONICS, INC. Tele: (952) 229-8200 www.ironwoodelectronics.com</p>	<p>Drawing: J. Glab</p>	<p>Date: 07/05/07</p>	
	<p>File: SG-BGA-6230 Dwg.mcd</p>	<p>Modified: 1/27/09</p>	

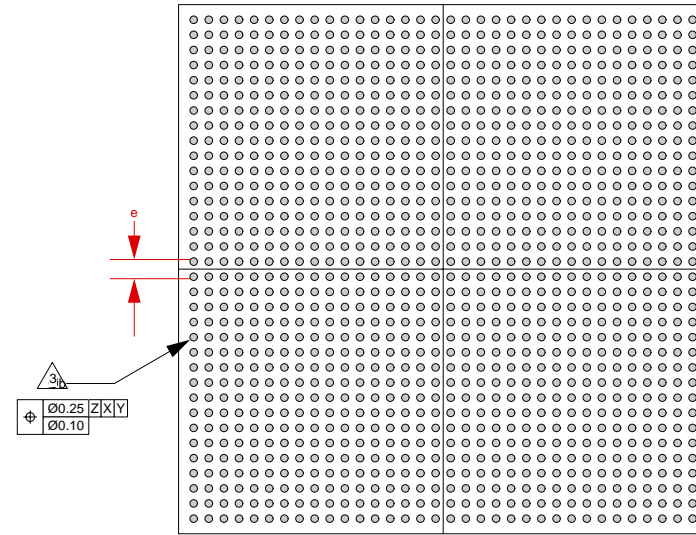
Compatible BGA Spec



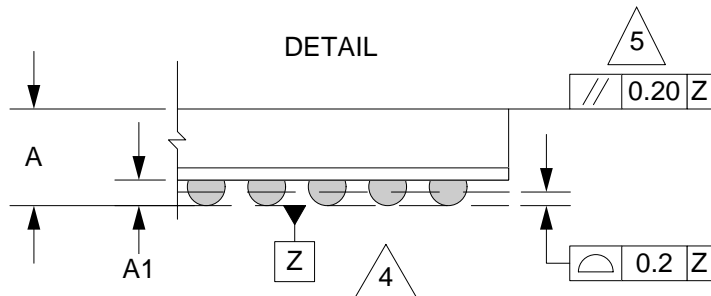
TOP VIEW



SIDE VIEW




BOTTOM VIEW

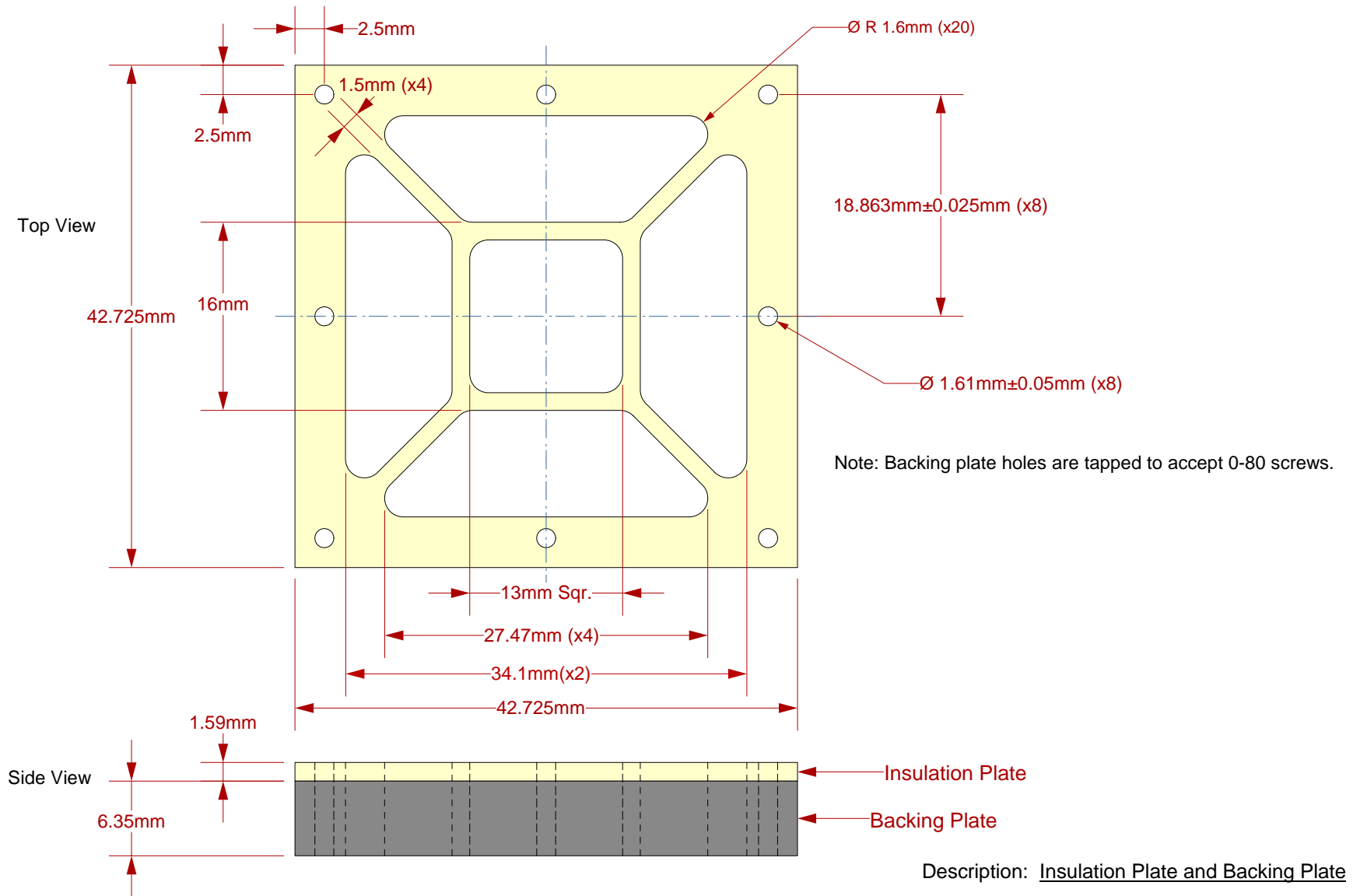



1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
3. Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
4. Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
5. Parallelism measurement shall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

DIM	MIN	MAX
A		3.9
A1	0.4	0.6
b	0.5	0.7
D	35.0 BSC	
E	35.0 BSC	
e	1.00 BSC	

Array 34x34

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