

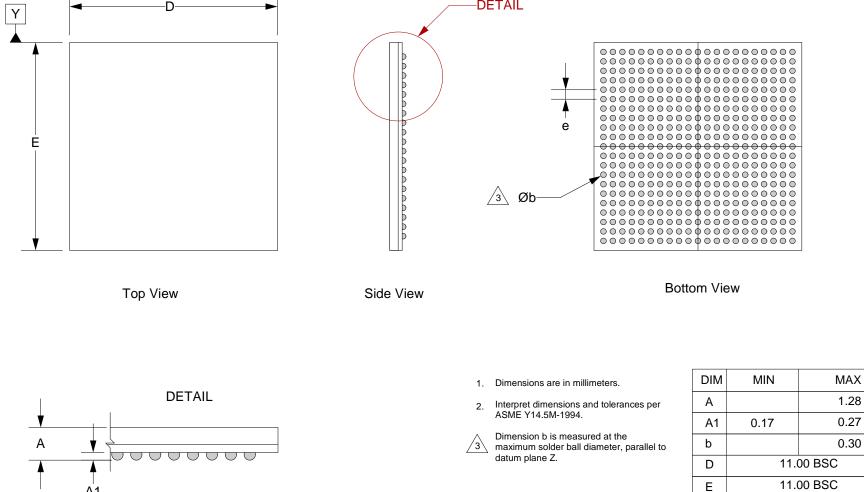
Target PCB Recommendations Total thickness: 1.6mm min. Plating: Gold or Solder finish PCB Pad height: Same or higher than solder mask

X-4

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

SG-BGA-7047 Drawing	Status: Released	Scale: -		Rev: C
© 2005 IRONWOOD ELECTRONICS, INC. PO BOX 21151 ST. PAUL, MN 55121 Tele: (651) 452-8100 www.ironwoodelectronics.com	Drawing: H. Hansen		Date: 5/24/05	
	File: SG-BGA-7047 Dwg		Modified: 07/31/14	

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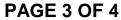


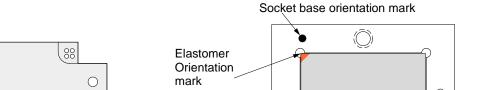
21x21 array

0.5 BSC

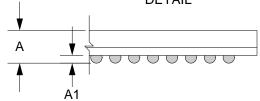
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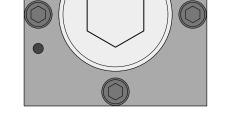
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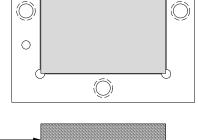




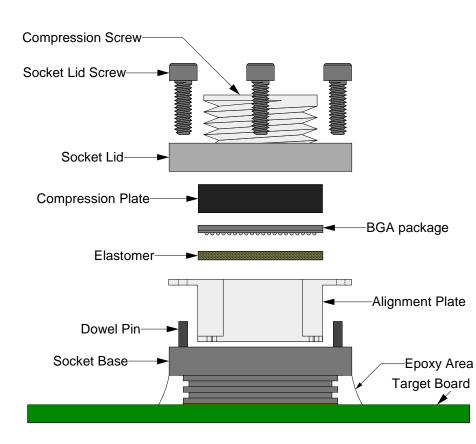


**Top View Alignment Plate** 

When elastomer orientation mark is on upper left corner, side view of elastomer should be



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## **User Instuctions:**

1. Insert alignment plate onto dowel pins in socket base. Place alignment plate + socket base assembly onto target board. 2. Align holes on alignment plate with four corner pads on target board, hold socket base on to board tightly with finger and put a drop of super glue on each corner. Let it dry, remove the alignment plate, then run a bead of epoxy around socket base and let it cure for 24 hours at room temperature. Recommended epoxy: DP420 (3M brand, 15 min work life). Other equivalent epoxies can be substituted. Cure at room temperature. Note:

## Do not cure in the oven.

3. Place elastomer inside the socket base cavity (direction and orientation are critical) as shown above.

4. Place BGA package and compression plate into the socket base cavity.

5. Assemble socket lid onto socket base with socket lid screws.

6. Assemble compression screw into socket lid and apply 2.0 in-lb torque.

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