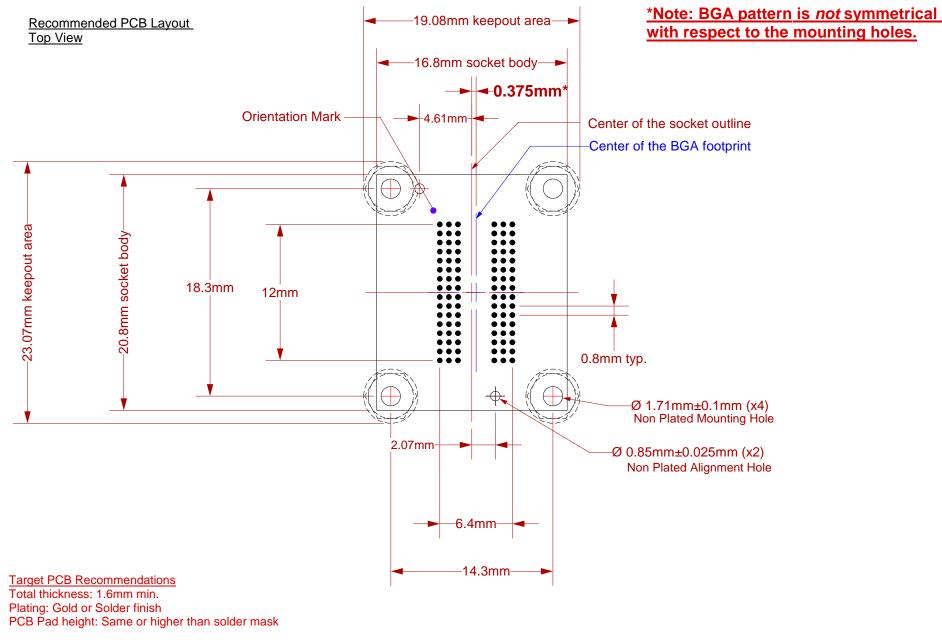


Status: Released Scale: -SG-BGA-6292 Drawing © 2009 IRONWOOD ELECTRONICS, INC. Drawing: E Smolentseva Date: 10/22/09 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 Tele: (952) 229-8200 Modified: 11/17/14, DH File: SG-BGA-6292 Dwg.mcd www.ironwoodelectronics.com

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

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Rev: C



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

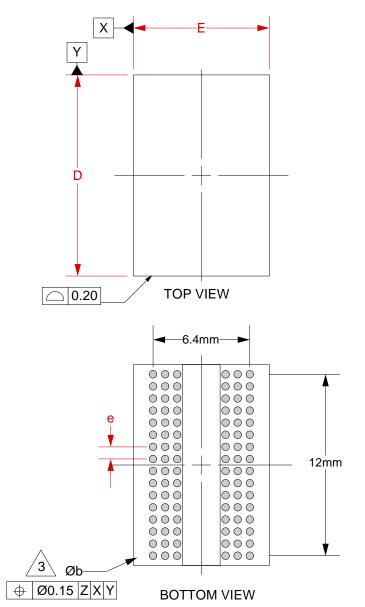
Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

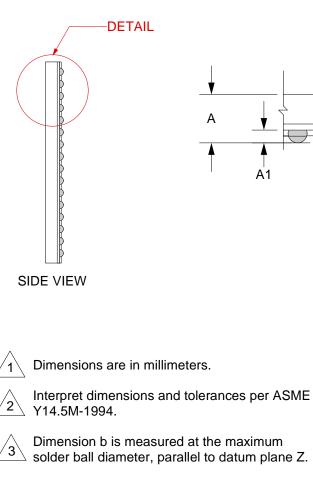
SG-BGA-6292 Drawing	Status: Released	Scale:	- Rev: C	
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337	Drawing: E Smolentseva		Date: 10/22/09	
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-6292 Dwg.mcd		Modified: 11/17/14, DH	

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#### Compatible BGA Spec

#### **DDR3 packages**





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		
A		1.2		
A1	0.30	0.40		
b	0.40	0.50		
E	9.00 BSC			
D	13.30 BSC			
е	0.80 BSC			

<u>∕5</u> 0.20 Z

⊇ 0.10 Z

DETAIL

Ζ

4



SG-BGA-6292 Drawing	Status	
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337	Drawir	
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-	

Status: Released	Scale: -		Rev: C	
Drawing: E Smolentseva		Date: 10/22/09		
File: SG-BGA-6292 Dwg.mcd		Modified: 11/17/14, DH		

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Array 9x16

Compatible BGA Spec

### DDR2 packages

Dimensions are in millimeters.

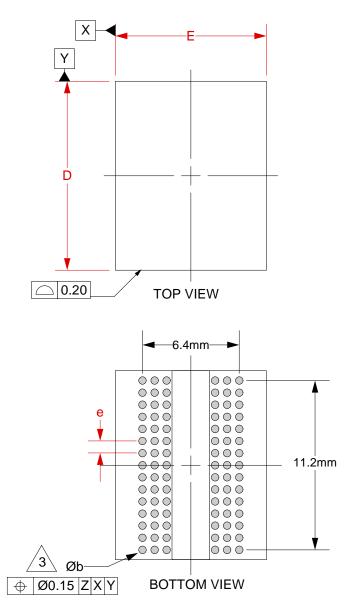
Interpret dimensions and tolerances per ASME Y14.5M-1994.

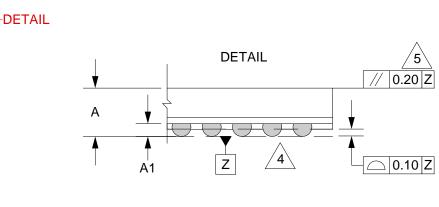
solder ball diameter, parallel to datum plane Z.

Dimension b is measured at the maximum

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		1.2		
A1	0.30	0.40		
b	0.40	0.50		
E	10.00 BSC			
D	12.50 BSC			
е	0.80 BSC			

Array 9x15

SG-BGA-6292 Drawing	Status: Released	Status: Released Scale		Rev: C	
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337	Drawing: E Smolentseva		Date: 10/22/09		
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-6292 Dwg.mcd	File: SG-BGA-6292 Dwg.mcd		Modified: 11/17/14, DH	

SIDE VIEW

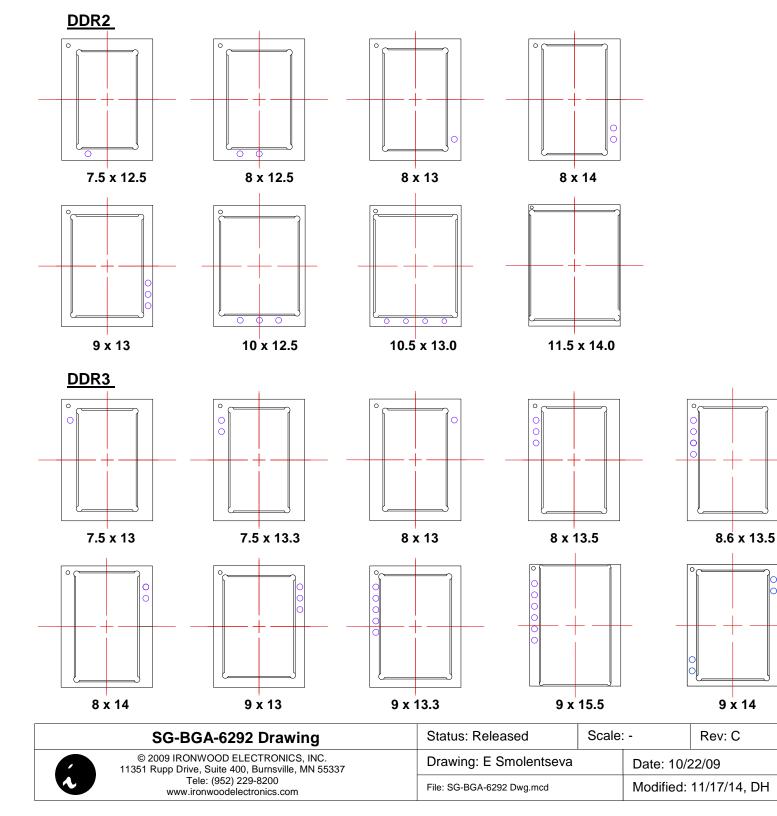
1

2

∕3∖

4

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#### Insert Markings

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