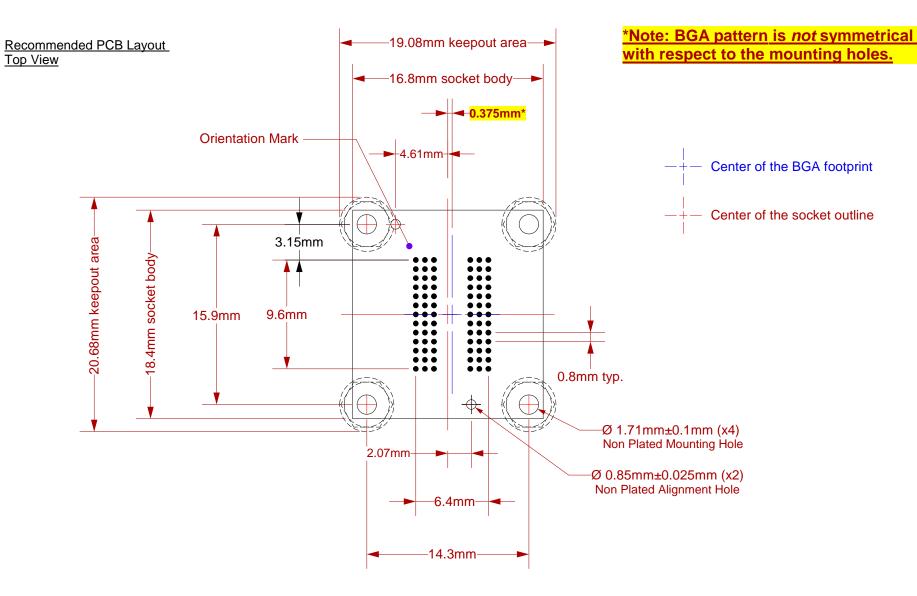


SG-BGA-6328 Drawing	Status: Released Scale: -		-	Rev: A	
© 2012 IRONWOOD ELECTRONICS, INC. Tele: (800) 404-0204	Drawing: E Smolentseva	wing: E Smolentseva		Date: 2/10/12	
www.ironwoodelectronics.com	File: SG-BGA-6328 Dwg.mcd		Modified:		

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

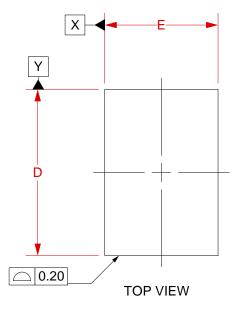
NOTE: backing plate may be required based on end user's application

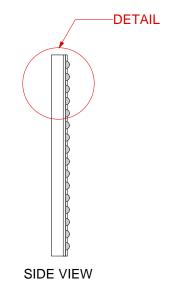
Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

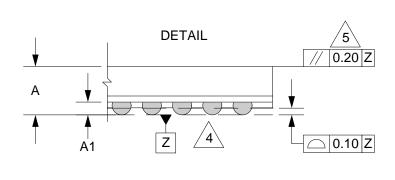
SG-BGA-6328 Drawing	Status: Released	Scale: -		Rev: A
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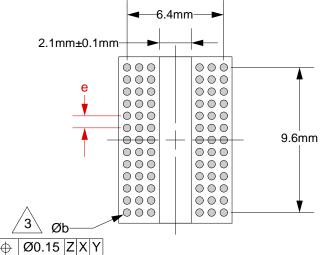
Compatible BGA Spec

DDR3 7.5x11mm package









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.

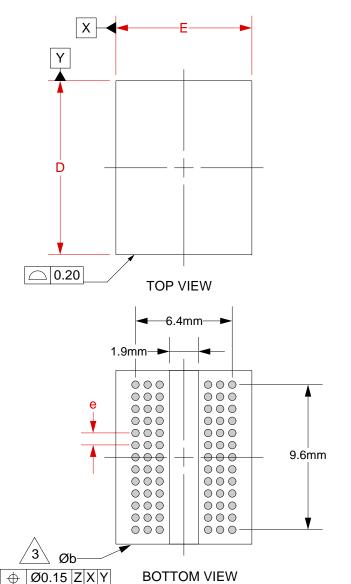
DIM	MIN	MAX
А		1.2
A1	0.29	0.39
b	0.40	0.50
E	7.4	7.6
D	10.9	11.1
е	0.80	BSC

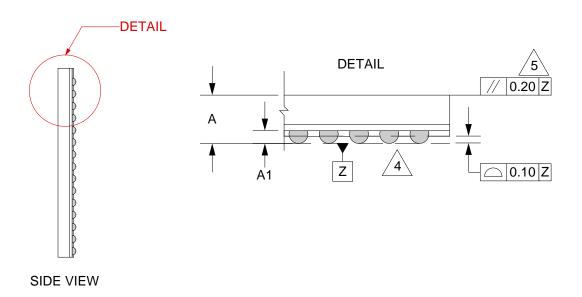
Array 9x13

SG-BGA-6328 Drawing	Status: Released	Scale: -		Rev: A
© 2012 IRONWOOD ELECTRONICS, INC. Tele: (800) 404-0204	Drawing: E Smolentseva		Date: 2/10/12	
www.ironwoodelectronics.com	File: SG-BGA-6328 Dwg.mcd		Modified:	

Compatible BGA Spec

DDR3 9x11.5mm package





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.

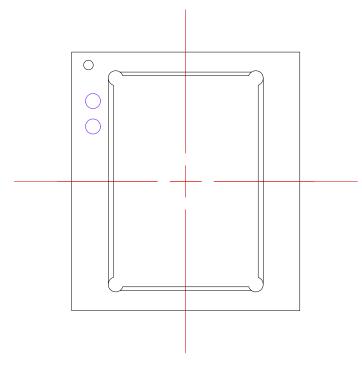
DIM	MIN	MAX
А		1.2
A1	0.30	0.40
b	0.45	0.55
Е	8.9	9.1
D	11.4	11.6
е	0.80	BSC

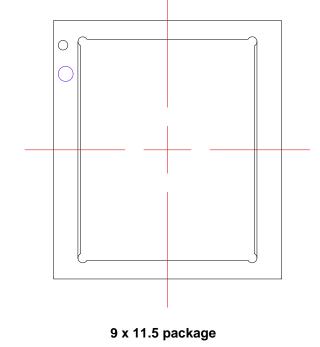
Array 9x13

SG-BGA-6328 Drawing	Status: Released Scale:		: -	Rev: A	
© 2012 IRONWOOD ELECTRONICS, INC. Tele: (800) 404-0204	Drawing: E Smolentseva		Date: 2/10	Date: 2/10/12	
www.ironwoodelectronics.com	File: SG-BGA-6328 Dwg.mcd		Modified:		

IC Guides

DDR3





7.5 x 11 package

	SG-BGA-6328 Drawing	Status: Released	Scale	: -	Rev: A	
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www.ironwoodelectronics.com	File: SG-BGA-6328 Dwg.mcd	File: SG-BGA-6328 Dwg.mcd		Modified:		