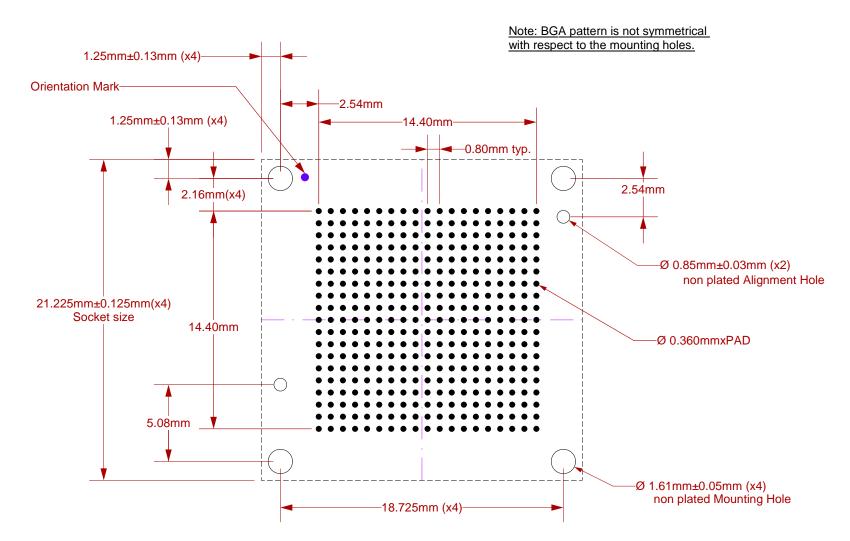


SG-BGA-6033 Drawing	Status: Released	Scale: I	NA	Rev: D	All tolerances: ±0.125mm (unless stated otherwise). Materials and specifications	
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337	Drawing: H. Hansen		Date: 3/5/02		are subject to change without notice.	
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-6033 Dwg.mcd		Modified: 7/16/09, AE		PAGE 1 of 3	



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

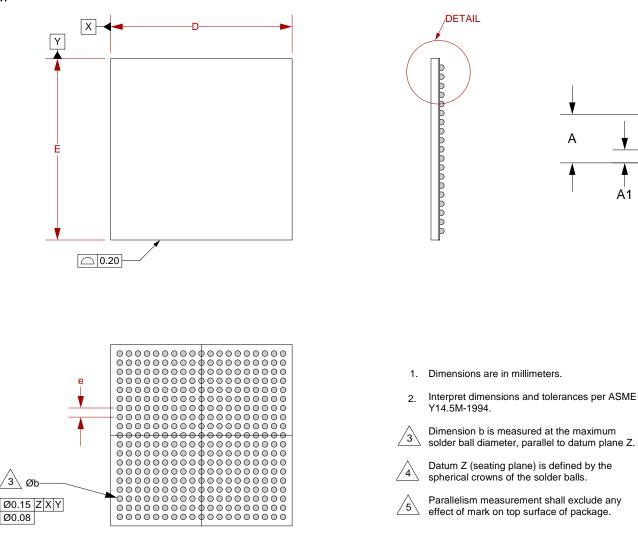
Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

SG-BGA-6033 Drawing	Status: Released	Scale: NA	Rev: D	BGA IC Size	Pitch	Array
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337	Drawing: H. Hansen	Date: 3	Date: 3/5/02		0.8mm	19x19
Tele: (952) 229-8200 www.ironwoodelectronics.com	File: SG-BGA-6033 Dwg.mcd	G-BGA-6033 Dwg.mcd Modified: 7/16/09, AE		PAGE 2 of 3		

Compatible BGA Spec



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BOTTOM VIEW

 $A \qquad \downarrow \qquad DETAIL \qquad 5 \\ \hline 1 \\ \hline 2 \\ \hline 4 \\ \hline 2 \\ \hline 4 \\ \hline 2 \\ \hline 4 \\ \hline 0.20 \\ \hline 7 \\ \hline 0.12 \\ \hline 2 \\ \hline 1 \\ 1$

DIM	MIN	MAX
А		1.20
A1	0.25	0.40
b	0.42	0.48
D	15.80	16.20
E	15.80	16.20
е	0.8 BSC	

Array: 19x19

PAGE 3 of 3

SG-BGA-6033 Drawing Status: Released Released Status: Released Released Status: Released Released Status: Released Released Released Released Released Released Released Released Released Release		Scale: -		Rev: D
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	File: SG-BGA-6033 Dwg.mcd		Modified: 7/16/09, AE	

SIDE VIEW