

Description: SG15-BGA 14x14mm, 34x34 0.4mm pitch

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

<u>Iolerances:</u> Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SG15-BGA-1000 Drawing	Material: Material <not specified=""></not>
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: Weight: 17.11

STATUS: Released	SHEET: 1 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 3:1
FILE: SG15-BGA-1000	DATE: 1/10/2015	





1. Dimensions are in millimeters.

Dimensions are in minimeters.
Interpret dimensions and tolerances per ASME Y14.5M-1994.
Dimension b is measured at the maximum solder ball diameter, parallel to datum plane C.
Datum C (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.

STATUS: Released	SHEET: 3 OF 4	REV. A
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FILE: SG15-BGA-1000	DATE: 1/10/2015	

DETAIL A SCALE 16 : 1

Description: Compatible BGA

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

 $\frac{Iolerances:}{\pm 10\%}$ Hole diameters ± 0.03 mm [± 0.001 "], Pitches (from true position) ± 0.025 mm [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances ± 0.13 mm [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without notice.

SG	15-BGA-100
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BGA-1000 Drawing	Material: Material <not specified=""></not>
Ironwood Electronics, Inc. Tele: (800) 404-0204 ww.ironwoodelectronics.com	Finish: Weight: 17.11



Description: Socket Specification

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

<u>Tolerances</u>: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SG	15-BGA-1000 Drawing
	Ironwood Electronics, Inc. Tele: (800) 404-0204
	www.ironwoodelectronics.com

	Material: Material <not specified=""></not>
	Finish:
	Weight: 17.11
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ITEM NO.	Description	Material
1	GHz Swivel Socket Lid, 14mm IC	7075-T6 Aluminum Alloy
2	Compression Screw M10	7075-T6 Alumium Alloy
3	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)
4	#0-80 X .375 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
5	Backing Plate, 21.725 X 21.725	7075-T6 Aluminum Alloy
6	Compression Plate, 13.95 X 13.95	7075-T6 Aluminum Alloy
7	Alignment Pin 1/32" dia. x 1/8" Ing	Chrome Stainless Steel
8	Insulation Plate	FR4 Standard
9	Target PCB	Material <not specified=""></not>
10	Socket Base BGA 14x14	7075-T6 Aluminum Alloy
11	Customer's BGA 0.4mm pitch 34x34 array 14mm	High Temp FR4
12	Elastomer Guide 14mm IC 0.15mm thk	Kapton Polyimide/Cirlex
13	Ball guide 34x34 0.4mm pitch	Kapton Polyimide
14	0.15mm thick, 0.05x 0.05mm pitch, 50mm sqr, Z-axis conductive angled elastomer	20 Micron dia gold plated brass filaments arranged symettrically in a silicon rubber (63.5 degree angle), Thickness: 0.5mm



STATUS: Released	SHEET: 4 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 1:1
FILE: SG15-BGA-1000	DATE: 1/10/2015	