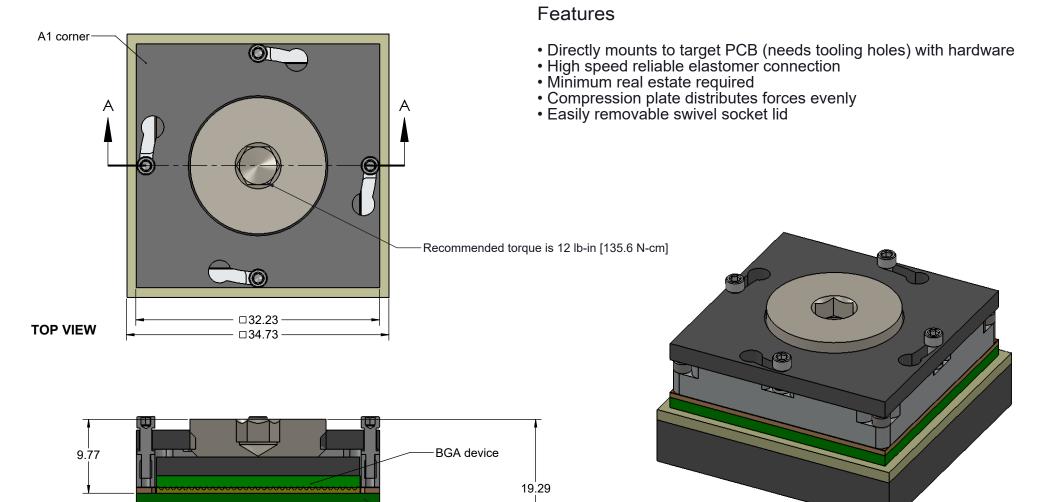
GHz BGA Socket - Direct mount, solderless



SECTION A-A

Description: SG-BGA FOR 27X27MM 0.8MM 33X33 ARY

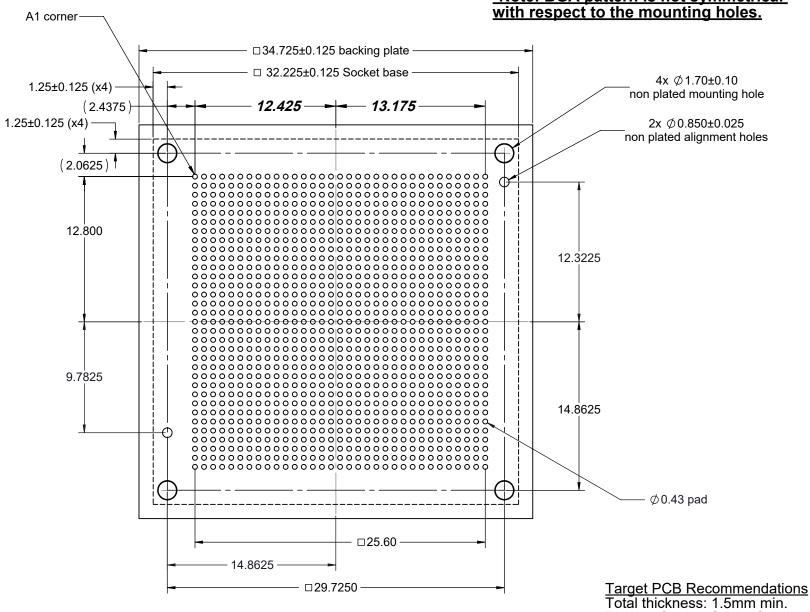
Primary dimension units are millimeters, Secondary dimension units are [inches].

7.94

Tolerances: 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.

target PCB

	SG-BGA-6356 Drawing	Material: N/A Finish: N/A Weight: 46.21	STATUS: Released	SHEET: 1 OF 4	REV. A
8	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: M. Raske	SCALE: 2:1	
			FILE: SG-BGA-6356 Dwg	DATE: 7/2/2015	



Plating: Gold or Solder finish

*Note: BGA pattern is not symmetrical

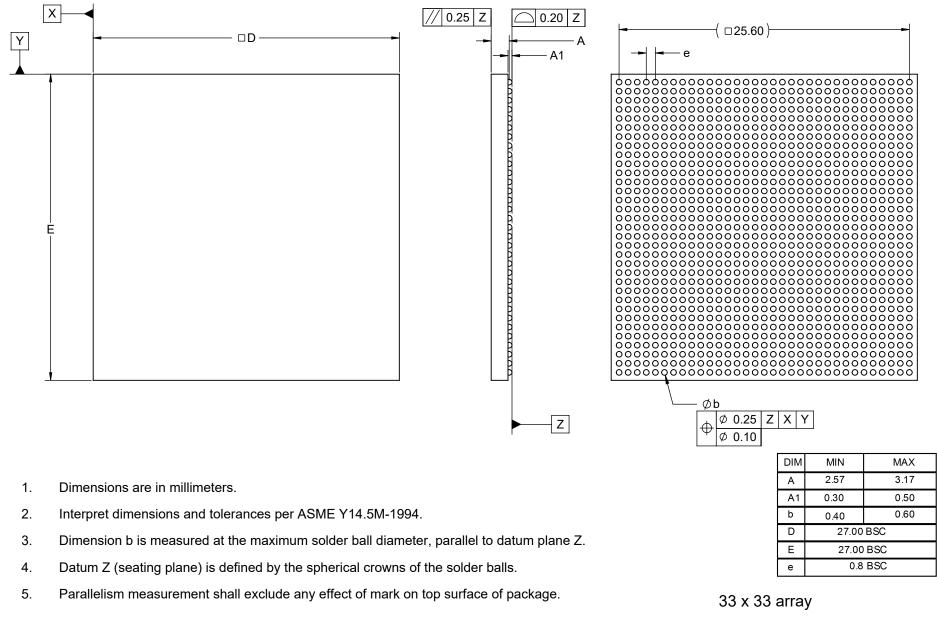
Description: Recommended PCB layout

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

Tolerances: 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-BGA-6356 Drawing		Material: N/A	STATUS: Released	SHEET: 2 OF 4	REV. A
0	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: N/A Weight: 46.21	DRAWN BY: M. Raske	SCALE: 3:1	
			FILE: SG-BGA-6356 Dwg	DATE: 7/2/2015	

Ironwood Package Code: BGA1024C

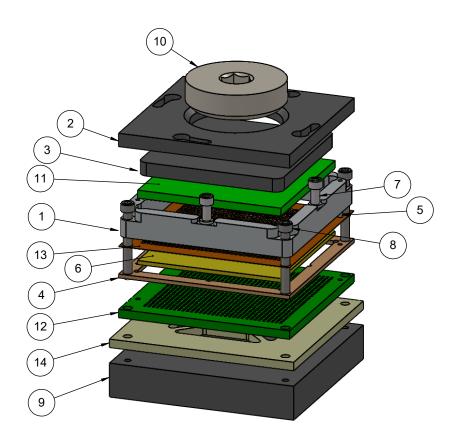


Description: BGA

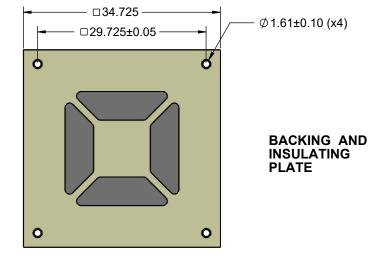
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

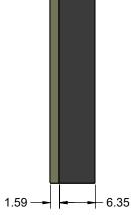
Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

	SG-BGA-6356 Drawing	Material: N/A Finish: N/A Weight: 46.21	STATUS: Released	SHEET: 3 OF 4	REV. A
•	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: M. Raske	SCALE: 3:1	
			FILE: SG-BGA-6356 Dwg	DATE: 7/2/2015	



ITEM NO.	DESCRIPTION	Material	
1	Socket Base, 32.225 X 32.225	7075-T6 Aluminum Alloy	
2	Socket Lid, 32.225 X 32.225	7075-T6 Aluminum Alloy	
3	Compression Plate, 26.95 X 26.95	7075-T6 Aluminum Alloy	
4	Elastomer Guide 27mm IC	Ultem 1000	
5	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel	
6	Elastomer 0.75mm thick 40 Micron gold plated filaments arranged symmetrically in a silicone rubber(63.5 degree angle)	20 Micron dia gold plated brass filaments arranged symettrically in a silicon rubber (63.5 degree angle)	
7	#0-80 Shoulder Screw, 2.29mm thread length	Stainless Steel (303)	
8	#0-80 x 0.5, SH Cap Screw	Alloy Steel	
9	Backing Plate, 34.725 X 34.725	7075-T6 Aluminum Alloy	
10	Compression Screw, M18	7075-T6 Aluminum Alloy	
11	BGA 27mm 0.8mm pitch 33x33 array	Material <not specified=""></not>	
12	SG-BGA FOR 27X27MM 0.8MM 33X33 ARY	FR4 Standard	
13	Ball Guide 27x27mm, 0.8mm, 33x33 array	Kapton Polyimide/Cirlex	
14	Insulation Plate 27mm IC	FR4	





Description: Skt, Insulation Plate, Pin Det

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

Tolerances: 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-BGA-6356 Drawing	Material: N/A Finish: N/A Weight: 46.21	STATUS: Released	SHEET: 4 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204		DRAWN BY: M. Raske	SCALE: 3:2	
www.ironwoodelectronics.com		FILE: SG-BGA-6356 Dwg	DATE: 7/2/2015	

Rev	Date	Initials	Description
Α	12/9/11	SH	Original
В	1/17/12	SH	1. Updated torque to 12 in lbs from 10.19 in lbs 2. Reomved mold cap from the chip per customer request
С	7/2/15	MR	VW to SW