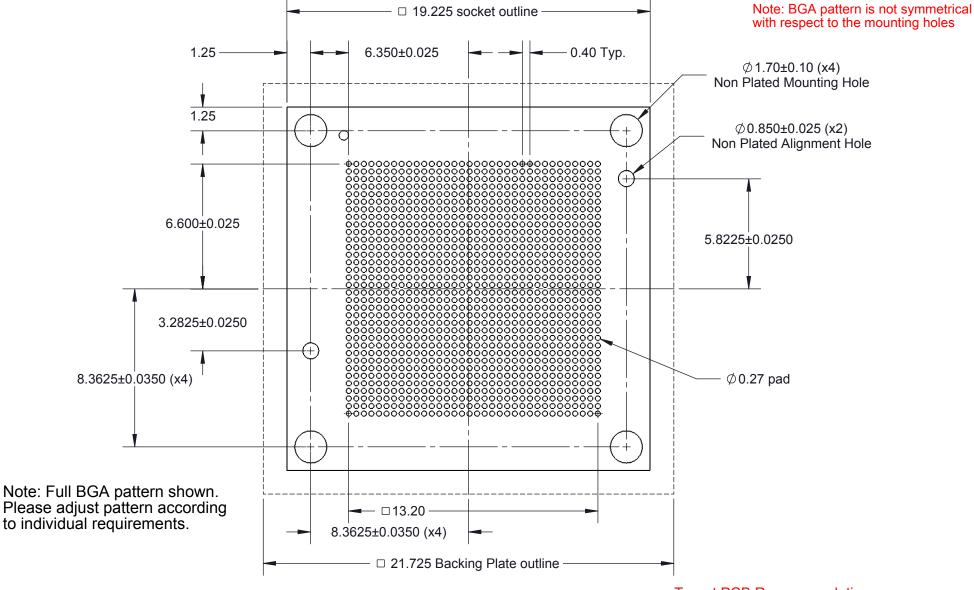


Description: SG-BGA 14x14mm, 34x34 0.4mm pitch

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

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-7252 Drawing Material: Material <not specified=""></not>		STATUS: Released	SHEET: 1 OF 4 REV. A	
8	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: Weight: 17.26	DRAWN BY: E. Smolentseva	SCALE: 3:1	
			FILE: SG-BGA-7252 Dwg	DATE: 1/28/2013	



Target PCB Recommendations Total thickness: 0.96mm min. Plating: Gold or Solder finish

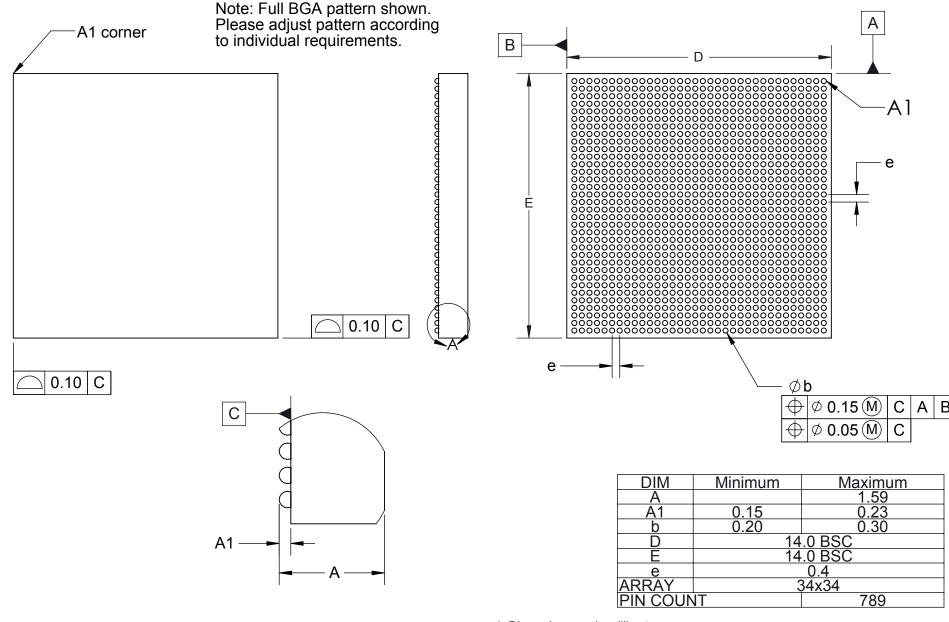
PCB Pad height: same or higher than solder mask

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"], 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-7252 Drawing Material: Material <not specified=""></not>		STATUS: Released	SHEET: 2 OF 4	REV. A
8	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: Weight: 17.26	DRAWN BY: E. Smolentseva	SCALE: 5:1	
			FILE: SG-BGA-7252 Dwg	DATE: 1/28/2013	



DETAIL A SCALE 16:1

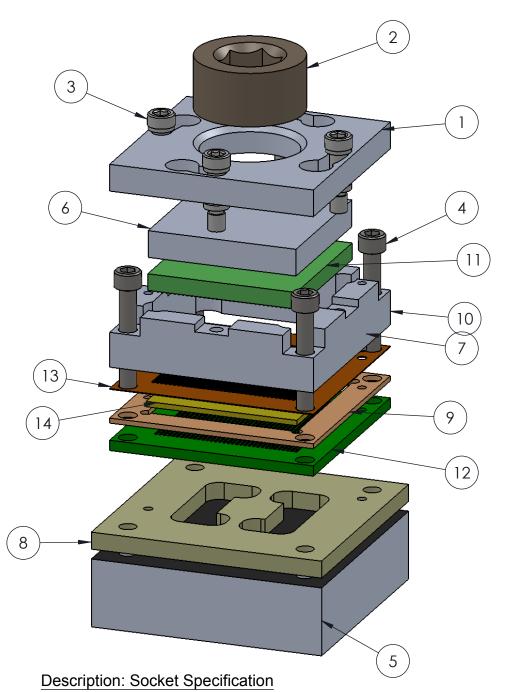
- 1. Dimensions are in millimeters.
- 2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
- 3. Dimension b is measured at the maximum solder ball diameter, parallel to datum plane C.
- 4. Datum C (seating plane) is defined by the spherical crowns of the solder balls.
- 5. Parallelism measurement shall exclude any effect of mark on top surface of package.

Description: Compatible BGA

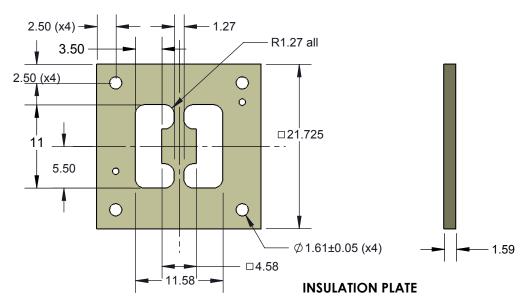
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±

	SG-BGA-7252 Drawing	Material: Material <not specified=""></not>	STATUS: Released	SHEET: 3 OF 4	REV. A
	Ironwood Electronics, Inc.	Finish: Weight: 17.26	DRAWN BY: E. Smolentseva	SCALE: 5:1	
	Tele: (800) 404-0204 www.ironwoodelectronics.com		FILE: SG-BGA-7252 Dwg	DATE: 1/28/2013	



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	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel
8	Insulation Plate	FR4 Standard
9	Elastomer Guide 14mm IC 0.475mm thk	Ultem 1000
10	Socket Base BGA 14x14	7075-T6 Aluminum Alloy
11	Customer's BGA 0.4mm pitch 34x34 array 14mm	High Temp FR4
12	Target PCB	Material <not specified=""></not>
13	Ball guide 34x34 0.4mm pitch	Kapton Polyimide
14	0.5mm 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



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"], Pitches (from true position) ±0.025mm [±0.001"], vibstrate thickness tolerance ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SG-BGA-7252 Draw		
A	Ironwood Electronics, Tele: (800) 404-020 www.ironwoodelectronic	
	www.ironwoodelectronic	

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodélectronics.com Material: Material <not specified>

Finish: Weight: 17.26

STATUS: Released	SHEET: 4 OF 4 REV. A	
DRAWN BY: E. Smolentseva	SCALE: 1:1	
FILE: SG-BGA-7252 Dwg	DATE: 1/28/2013	