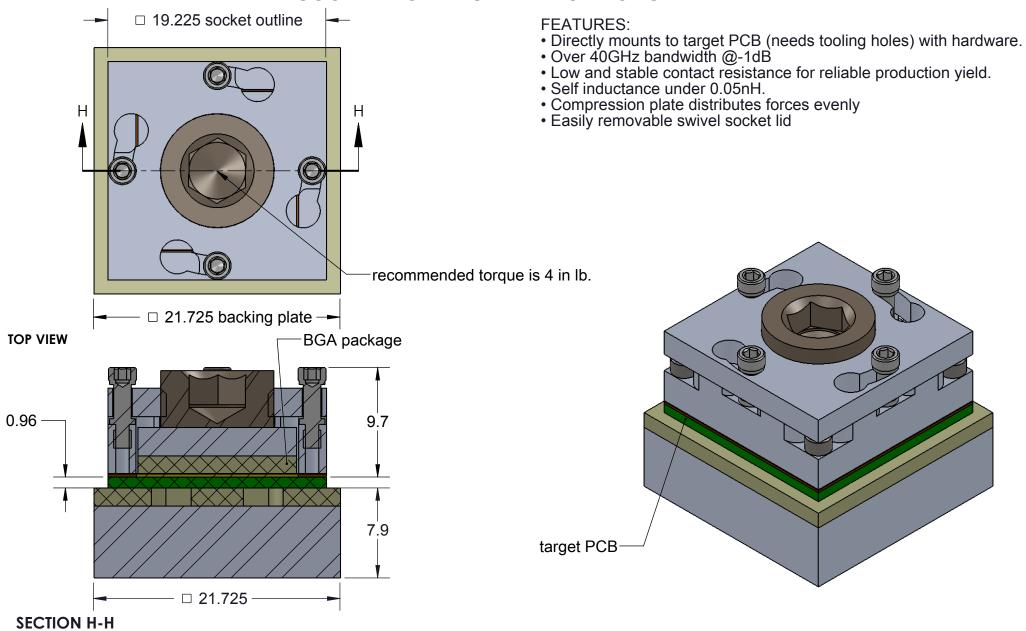
0.25mmGHz BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR TEST APPLICATIONS



Description: SG25-BGA 14x14mm, 34x34 0.4mm pitch

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

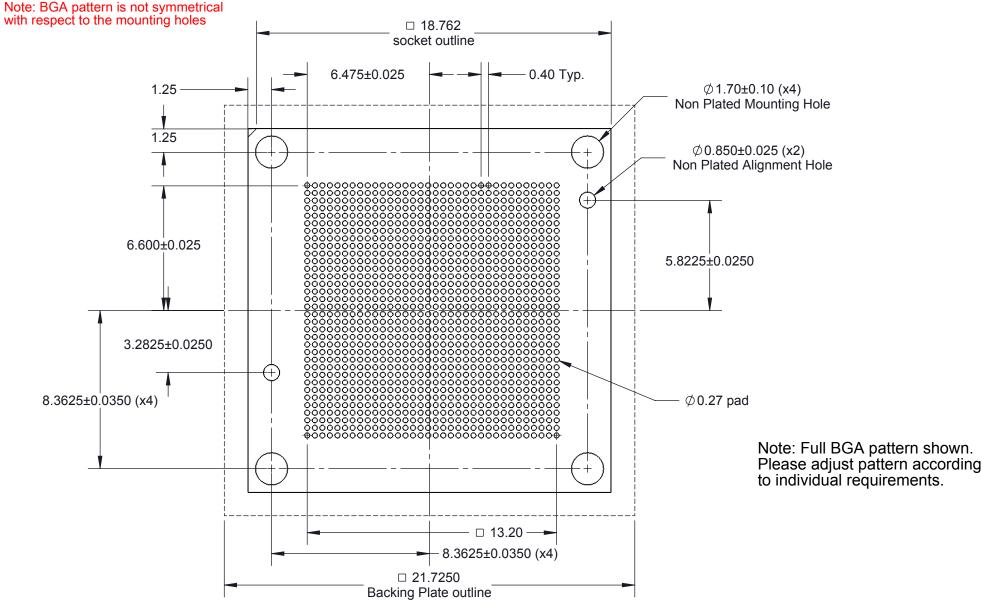
<u>Tolerances</u>: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without potice.

SG25-BGA-2000 Drawing		
•	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	

Material: Material <not specified> Finish:

Weight: 17.15

STATUS: Released	SHEET: 1 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 3:1
FILE: SG25-BGA-2000	DATE: 1/10/2015	



Description: Recommended PCB Layout

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 hotice.

SG25-BGA-2000 Drawing

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

Weight: 17.15

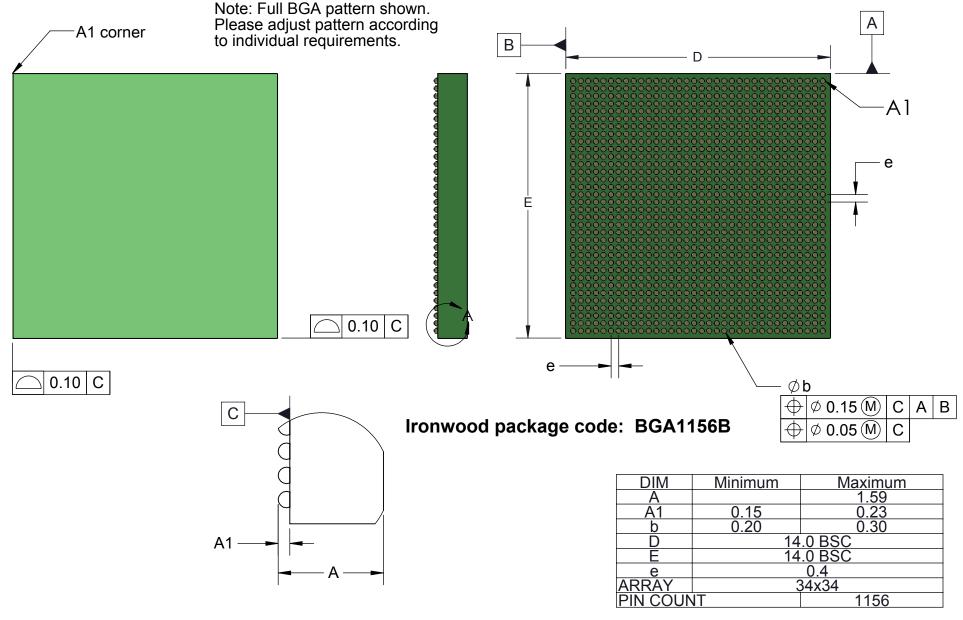
STATUS: Released	SHEET: 2 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 5:1
FILE: SG25-BGA-2000	DATE: 1/10/2015	

Target PCB Recommendations Total thickness: 1.6mm min.

Plating: ENIPIG, Solder Finish, Hard Gold

PCB Pad height: Same or 0.001"-0.002" lower than solder mask

Solder mask opening: 0.014"



DETAIL A SCALE 16:1

- 1. 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 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.

Description: Compatible BGA

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

 $\underline{Iolerances:} \ Hole \ diameters \pm 0.03mm \ [\pm 0.001"], \ Pitches \ (from true position) \pm 0.025mm \ [\pm 0.001"], \ substrate \ thickness \ tolerance \pm 10\%, \ all \ other \ tolerances \pm 0.13mm \ [\pm 0.005"] \ unless \ stated \ otherwise. \ Materials \ and \ specifications \ are \ subject \ to \ change$

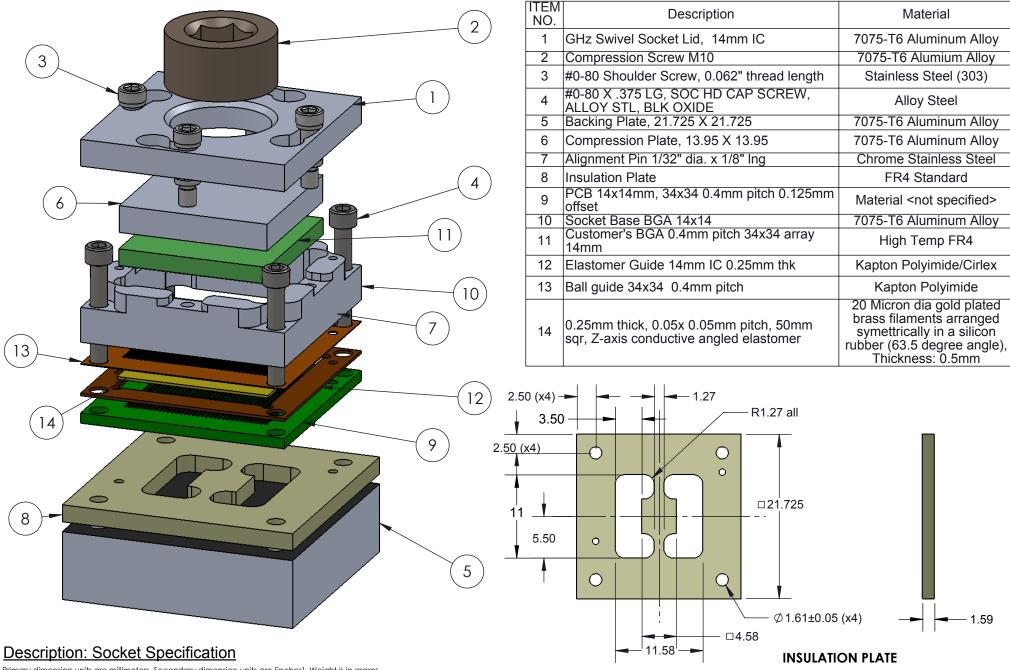
SG25-BGA-2000 Drawing



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

Weight: 17.15

STATUS: Released	SHEET: 3 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 5:1
FILE: SG25-BGA-2000	DATE: 1/10/2015	



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"], Ruby

<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.

SG25-BGA-2000 Drawing

Ironwood Electronics, Inc.
Tele: (800) 404-0204
www.ironwoodelectronics.com

Material: Material <not specified> Finish:

Weight: 17.15

STATUS: Released	SHEET: 4 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 1:1
FILE: SG25-BGA-2000	DATE: 1/10/2015	