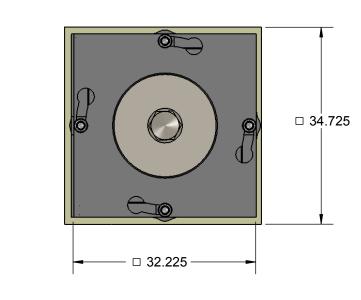
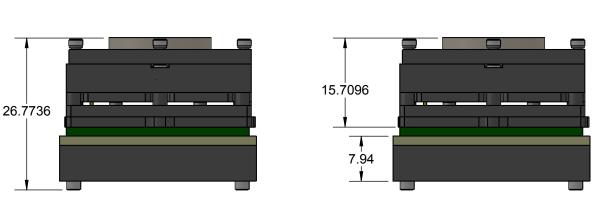
SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR **BURN-IN AND TEST APPLICATIONS**

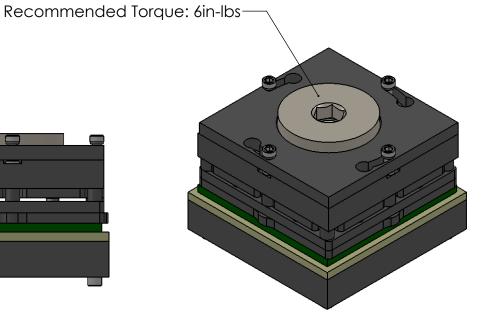


Features

- Wide temperature range (-55C to +180C)

- High current capability (up to 4A)
 Excellent signal integrity at high frequencies
 Low and stable contact resistance for reliable production vield
- Highly compliant to accommodate wide co-planarity
- Automated probe manufacturing enables low cost and short lead time





Description: SBT-BGA Socket 27 X 27, 1.27mm, 20 X 20 Array

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

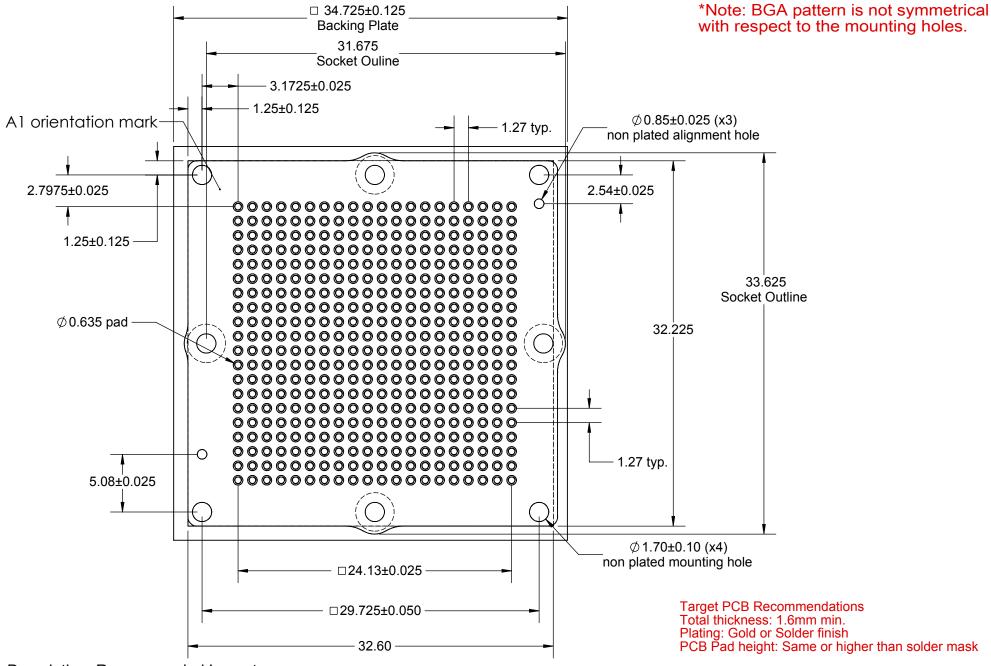
2D I -I	BGA-6	003	Drawi	ng
	Ironwoo	d Ele	ctronics.	In

Tele: (800) 404-0204 www.ironwoodélectronics.com

Material: Material <not specified> Finish:

Weight: 53.19

STATUS: Released	SHEET: 1 OF 5	REV. C
ENG: B. Fedde	DRAWN BY: D. Hauer	SCALE: 3:2
FILE: SBT-BGA-6003 Dwg	DATE: 12/15/2009	



Description: Recommended Layout

www.ironwoodélectronics.com

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

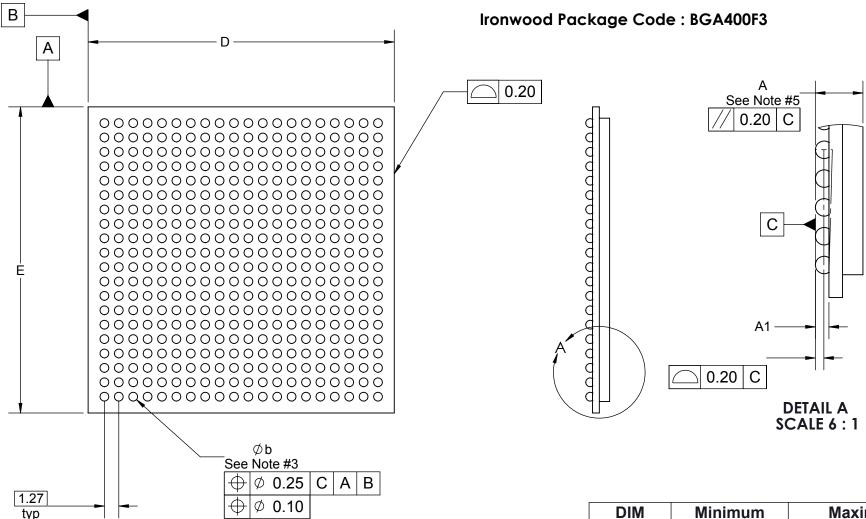
Tolerances: Hole diameters ± 0.03 mm [± 0.001 "], Pitches (from true position) ± 0.025 mm [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances ± 0.13 mm [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without the other parts.

SBT-BGA-6003 Drawing			
4	Ironwood Electronics, Inc. Tele: (800) 404-0204		

Material: Material <not specified> Finish:

Weight: 53.19

STATUS: Released	SHEET: 2 OF 5	REV. C
ENG: B. Fedde	DRAWN BY: D. Hauer	SCALE: 3:1
FILE: SBT-BGA-6003 Dwg	DATE: 12/15/2009	



- 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 Z.
- Datum Z (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.

DIM	Minimum	Maximum	
Α		2.5	
A1	0.5	0.7	
b		0.90	
D	27.0 BSC		
E	27.0 BSC		

Description: BGA Spec

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

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

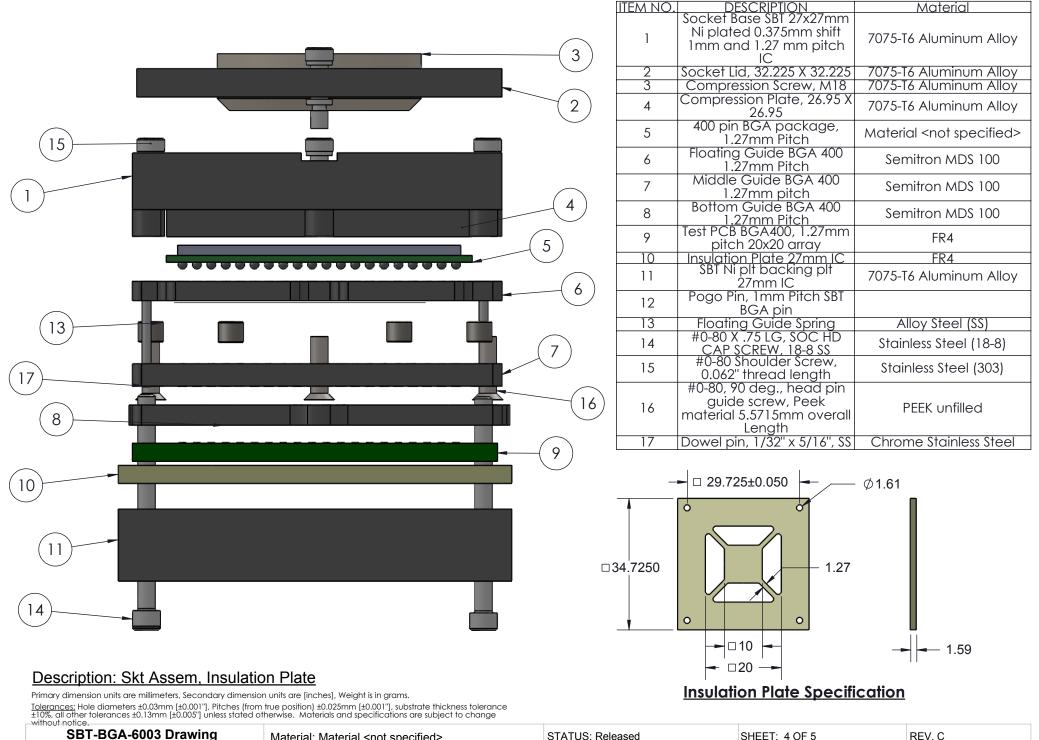
	SB	Г-В	GΑ	-60	03	Dr	aw	ing	
_									r

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

Weight: 53.19

STATUS: Released	SHEET: 3 OF 5	REV. C
ENG: B. Fedde	DRAWN BY: D. Hauer	SCALE: 2:1
FILE: SBT-BGA-6003 Dwg	DATE: 12/15/2009	

20 x 20 Array



•

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

Weight: 53.19

STATUS: Released		SHEET: 4 OF 5	REV. C
	ENG: B. Fedde	DRAWN BY: D. Hauer	SCALE: 3:1
	FILE: SBT-BGA-6003 Dwg	DATE: 12/15/2009	

Rev	Date	Initi als	Description
Α	12/15/09	DH	Original
В	11/21/2013	BMF	BOM, and document update
С	01/27/15	DH	Updated layout page; bump-outs added to hardware holes

Description: Sheet1

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.

SBT-BGA-6003 Drawing				
•	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com			

Material: Finish: Weight:

STATUS: Released	SHEET: 5 OF 5	REV. C
ENG: B. Fedde	DRAWN BY: D. Hauer	SCALE: 3:1
FILE: SBT-BGA-6003 Dwg	DATE: 12/15/2009	