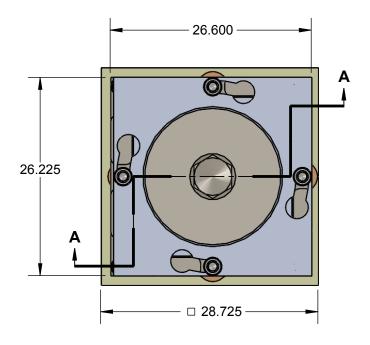
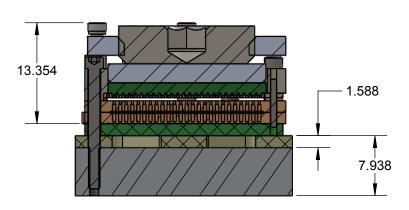
SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

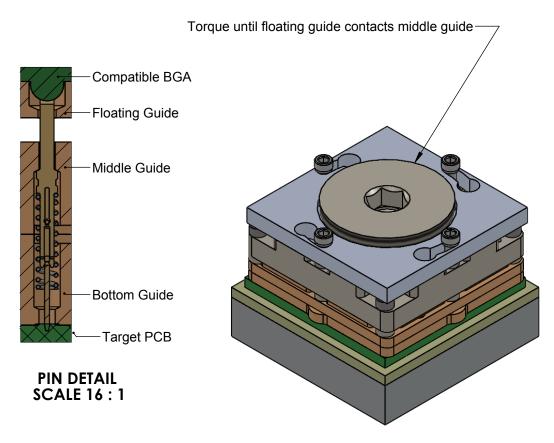




FEATURES:

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 yield Highly compliant to accommodate wide co-planarity variations
Automated probe manufacturing enables low cost and short lead time



SECTION A-A

Description: SBT-BGA624 25x25 array 0.8mm pitch

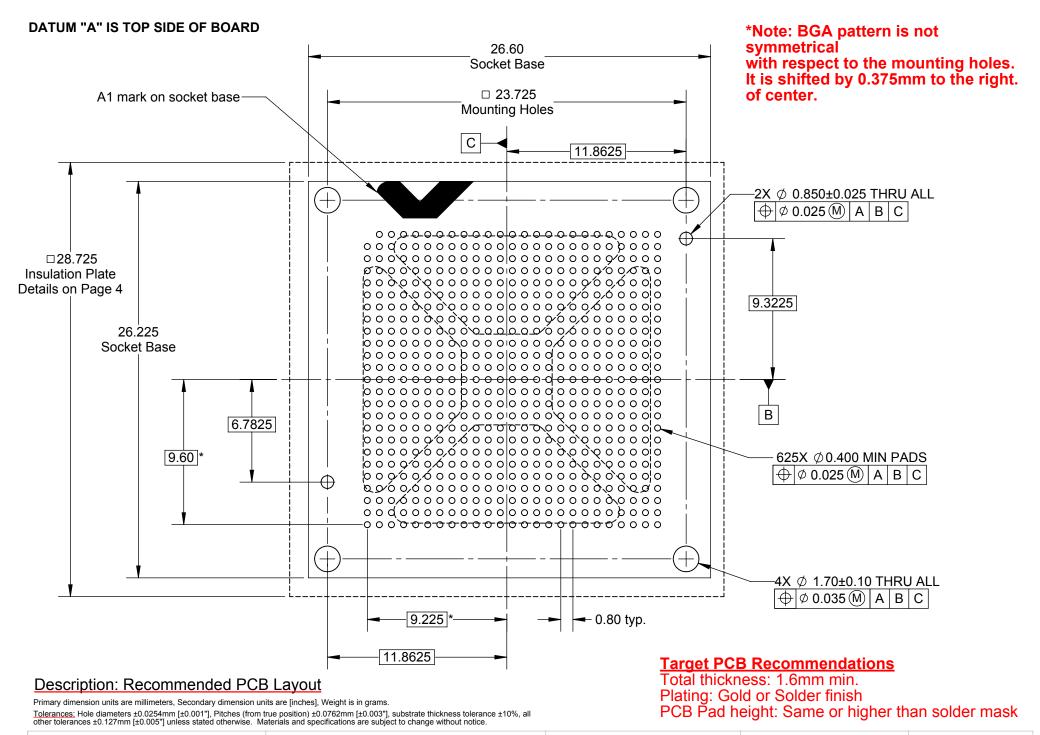
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams

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

SBT-BGA-6520 Drawing		
•	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.co	

ctronics, Inc. 404-0204 electronics.com Material: N/A Finish: N/A Weight: 34.49

STATUS: Released	SHEET: 1 OF 4	REV. A
ENG: B. Schatz	DRAWN BY: M. Raske	SCALE: 2:1
FILE: SBT-BGA-6520 Dwg	DATE: 10/21/2014	

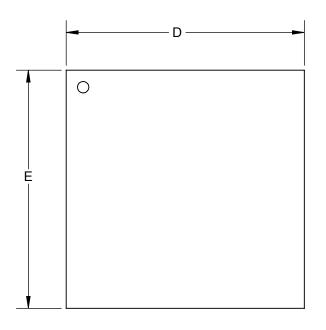


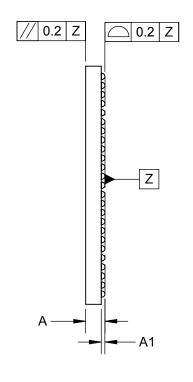
SBT-BGA-6520 Drawing Ironwood Electronics, Inc.

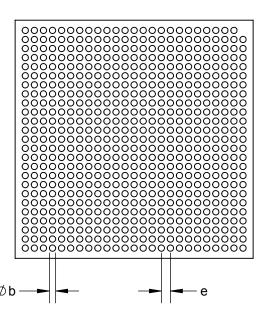
Material: N/A Finish: N/A Weight: 34.49 Tele: (800) 404-0204 www.ironwoodélectronics.com

STATUS: Released SHEET: 2 OF 4 REV. A ENG: B. Schatz DRAWN BY: M. Raske SCALE: 4:1 FILE: SBT-BGA-6520 Dwg DATE: 10/21/2014

Ironwood Package Code: BGA624B







1	Dimensions	are in	millimeters	3

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.

4. 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.

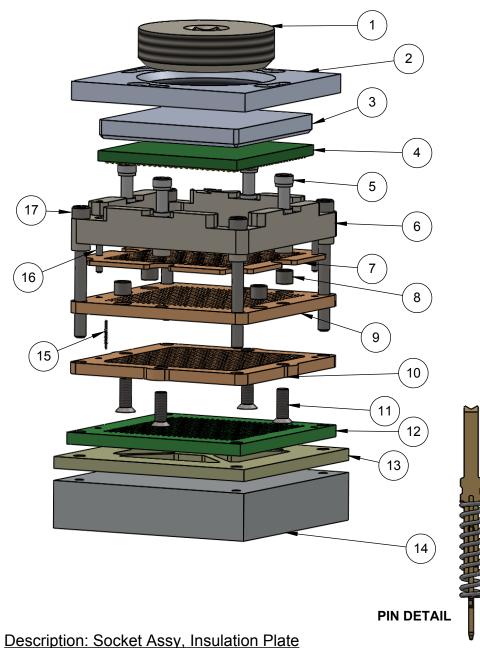
DIM	Minimum	Maximum
Α	-	2.5
A1	0.3	0.5
b	0.4	0.6
D	20.8	21.2
Е	20.8	21.2
е	0.80 BSC	
ARRAY	25 x 25	
PIN COUNT		624

Description: Compatible BGA

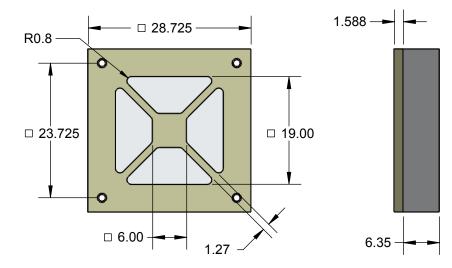
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

<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-6520 Drawing	Material: N/A Finish: N/A Weight: 34.49	STATUS: Released	SHEET: 3 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		ENG: B. Schatz	DRAWN BY: M. Raske	SCALE: 3:1
	Wolght. 04.40	FILE: SBT-BGA-6520 Dwg	DATE: 10/21/2014	



ITEM NO.	DESCRIPTION	Material
1	Compression Screw	Aluminum Alloy
2	Socket Lid	Aluminum Alloy
3	Compression PLate	Aluminum Alloy
4	Test chip	N/A
5	Shoulder Screw	Stainless Steel
6	Socket Base	Aluminum Alloy
7	Floating Guide	Semitron MDS 100
8	Floating Guide Spring	Stainless Steel
9	Middle Guide	Semitron MDS 100
10	Bottom Guide	Semitron MDS 100
11	Pin Guide Screw	PEEK unfilled
12	Target PCB	N/A
13	Insulation plate	FR4
14	Backing Plate	Alumium Alloy
15	Stamped Spring Pin	BeCu NiAu plating
16	Dowel pin	Stainless Steel
17	Mounting Screw	Stainless Steel



INSULATION AND BACKING PLATE DETAIL

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.

SBT-BGA-6520 Drawing



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

Material: N/A Finish: N/A Weight: 34.49

STATUS: Released	SHEET: 4 OF 4	REV. A
ENG: B. Schatz	DRAWN BY: M. Raske	SCALE: 2:1
FILE: SBT-BGA-6520 Dwg	DATE: 10/21/2014	