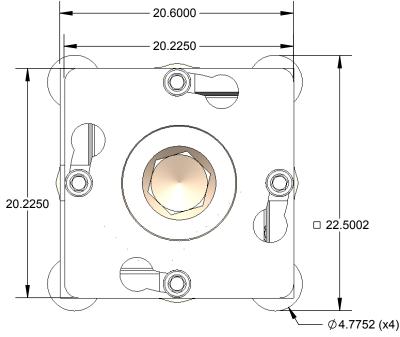
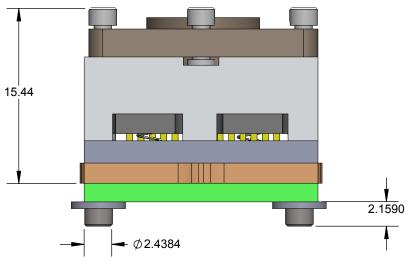
SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



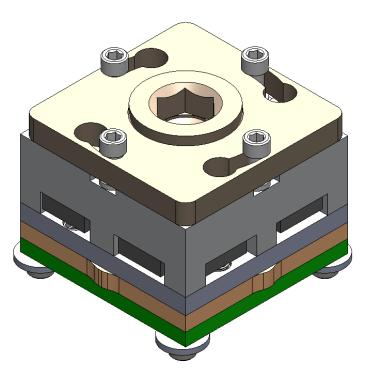


Features

- 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.

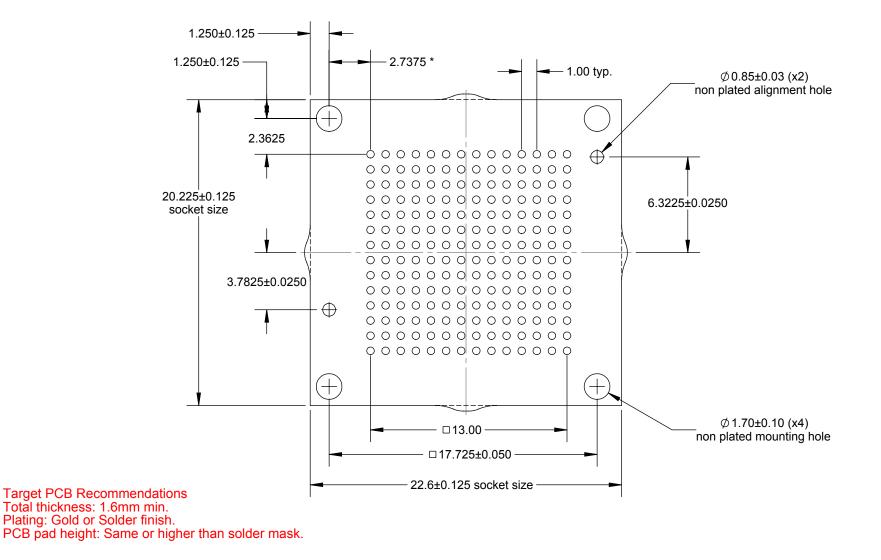


Description: SBT-BGA Socket 15x15mm, 1mm, 14x14 array

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

Tolerances: Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice

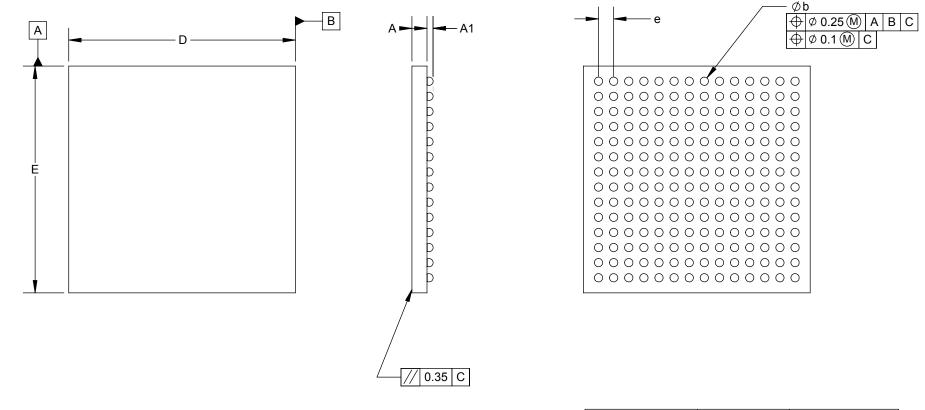
SBT-BGA-6011 Drawing		Material: Material <not specified=""></not>	STATUS: Released	SHEET: 1 OF 4	REV. B
	Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: Weight: 12.80	ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 3:1
y	www.ironwoodelectronics.com		FILE: SBT-BGA-6011	DATE: 10/7/2011	



Description: RECOMMENDED PCB LAYOUT

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances:</u> Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SBT-BGA-6011 Drawing		material material not opeenied	STATUS: Released	SHEET: 2 OF 4	REV. B
$\mathbf{\Theta}$	©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204	Weight: 12.80	ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 2:1
	www.ironwoodelectronics.com		FILE: SBT-BGA-6011	DATE: 10/7/2011	



DIM	Minimum	Maximum			
A		2.5			
A1	025	0.45			
b	0.45	0.55			
D	15mm±0.2mm				
E	15mm±0.2mm				
е	1.00 BSC				
ARRAY SIZE	14 X 14				
PIN COUNT	196				

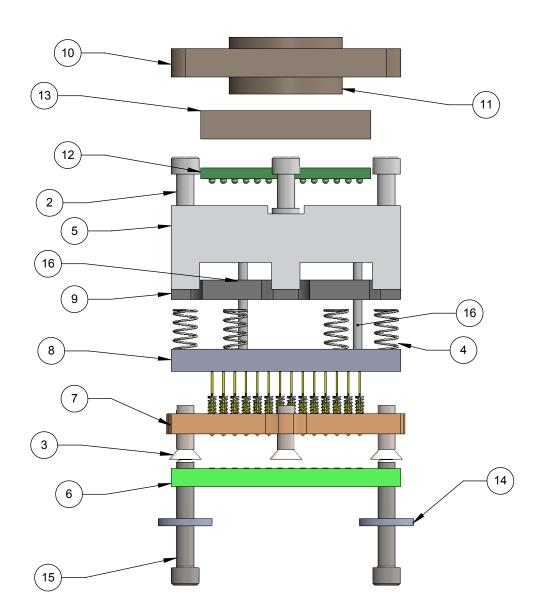
- 1. Dimensions are in millimeters.
- 2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
- 3. Dimension b is measured at the maximum solder ball diameter, parallel to datum plane C.
- 4. Datum C (seating plane) is defined by the spherical crowns of the solder balls.
- 5. Parallelism measurement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

Description: Compatible BGA IC

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

Tolerances: Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SBT-BGA-6011 Drawing		material material not opeened	STATUS: Released	SHEET: 3 OF 4	REV. B
	©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204	Weight: 12.80	ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 4:1
9	www.ironwoodelectronics.com		FILE: SBT-BGA-6011	DATE: 10/7/2011	



ITEM NO.	Description	Material	
1	Pogo Pin, 1mm Pitch SBT BGA pin		
2	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)	
3	Screw, #0-80 X .188", Flat, SS	Stainless Steel (18-8)	
4	Floating Guide Spring	Alloy Steel (SS)	
5	Socket Base, SBT BGA, 15x15mm, 0.375 shift, with posts	7075-T6 Aluminum Alloy	
6	PCB BGA196 14x14 array 1mm pitch	High Temp FR4	
7	Bottom Pogo Guide BGA196 1mm pitch 14x14 array	Semitron MDS 100	
8	Middle Pogo Guide BGA196 1mm pitch 14x14 array	PEEK Ceramic filled	
9	Floating Guide BGA196 1mm pitch 14x14 array	PEEK Ceramic filled	
10	Socket Lid, 15mm	7075-T6 Alumium Alloy	
11	Compression Screw M10	7075-T6 Alumium Alloy	
12	BGA196 15mm 1mm pitch 14x14 array	High Temp FR4	
13	Compression Plate, 15mm x 15mm	7075-T6 Aluminum Alloy	
14	Washer, #0 x .025", Nylon	Nylon 6/6	
15	#0-80 X .375 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel	
16	Dowel Pin, 1/32" dia, 7/16" Long, 18-8 SS	Chrome Stainless Steel	

				Rev	Date	Initials	Description		
				A	10/07/11	VP	Original		
Description: ASSEMBLY DETAIL Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances</u> : Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.			В	07/20/15	DH	Updated PCB layout page			
SBT-BGA-6011 Drawing Material: Material <not specified=""></not>		STATUS: Released		SH	IEET: 4	OF 4	REV. B		
	©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204	Weight: 12.80	ENG: V. Panavala		DF	DRAWN BY: V. Panavala		SCALE: 2:1	
	www.ironwoodelectronics.com		FILE: SBT-BGA-6011			DATE: 10/7/2011			