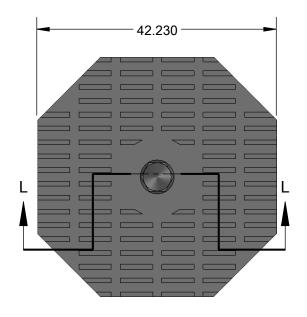
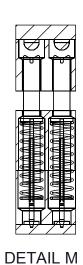
### SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

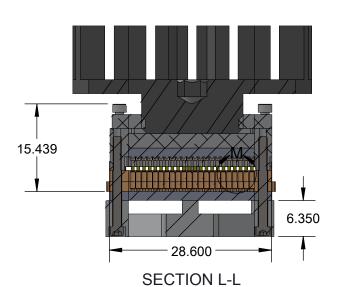


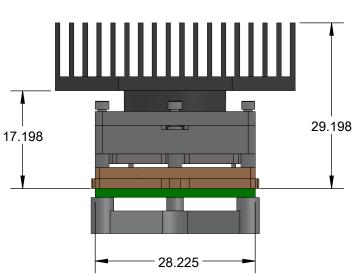


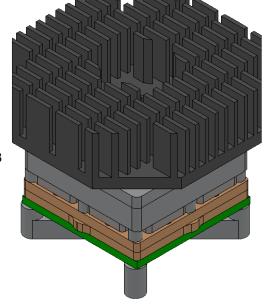
**SCALE 8:1** 

#### 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.
  Easily removable swivel lid







#### Description: SBT-BGA484 1MM 22x22 ARR SKT ASSEM

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

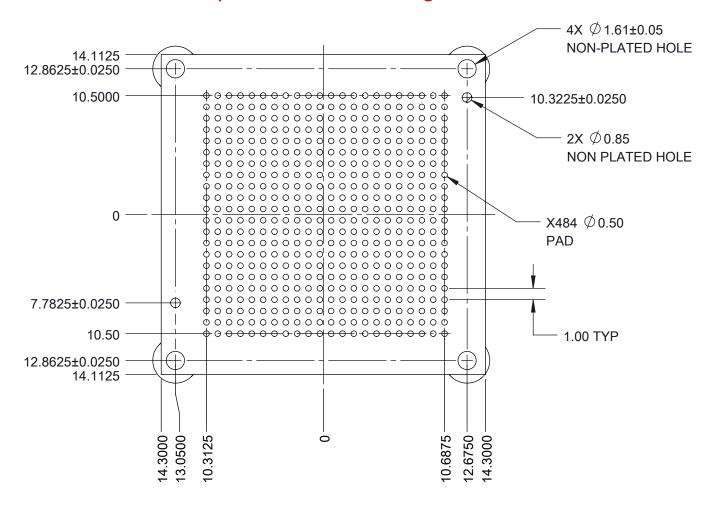
Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SBT-BGA-6004 Drawing		
4	Ironwood Electronics, Inc Tele: (800) 404-0204 www.ironwoodelectronics.co	
<b>T.T.</b>	www.ironwoodélectronics.co	

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodélectronics.com Material: N/A Finish: N/A Weight: 48.38

STATUS: Released	SHEET: 1 OF 4	REV. B
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 3:2
FILE: SBT-BGA-6004	DATE: 2/7/13	

## Note: BGA pattern is not symmetrical with respect to the mounting holes



<u>DESCRIPTION: Recommended PCB Layout</u> <u>Description: Recommended PCB Layout</u>

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.

Target PCB Recommendations
Total thickness: 1.6mm min.
Plating: Gold or Solder finish

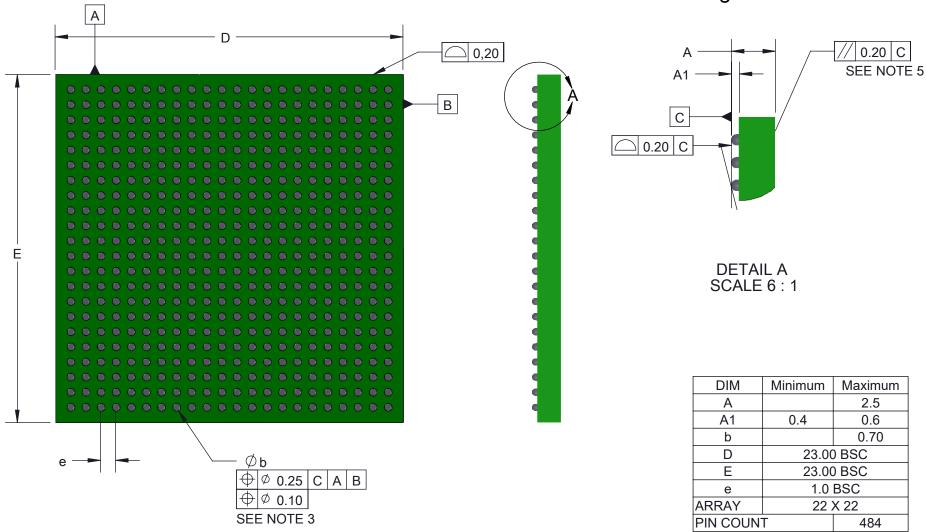
PCB Pad height: same or higher than solder mask

	SBT-BGA	<b>A-6004</b>	Draw	/ing	
_					î

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 48.38

STATUS: Released	SHEET: 2 OF 4	REV. B
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 2:1
FILE: SBT-BGA-6004	DATE: 2/7/13	

### Ironwood Package code: BGA484C



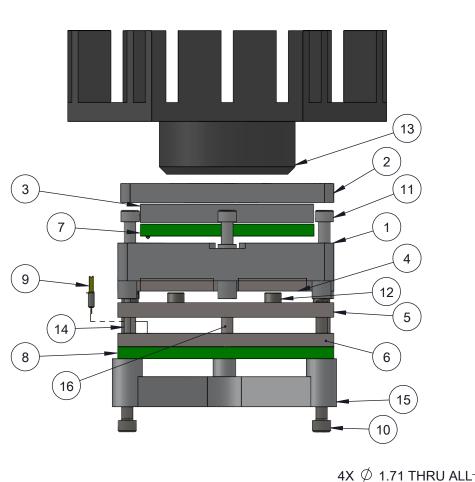
**DESCRIPTION: Compatible BGA** 

- 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 Z.
- Datum Z (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.

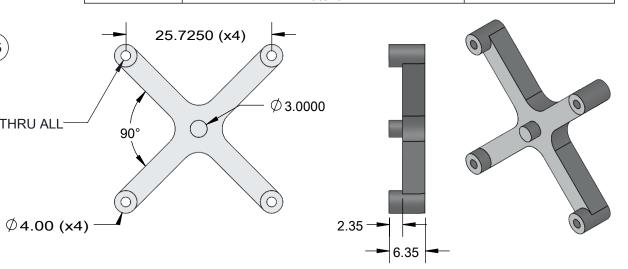
#### **Description: Compatible BGA**

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

#### SBT-BGA-6004 Drawing STATUS: Released SHEET: 3 OF 4 REV. B Material: N/A Finish: N/A Ironwood Electronics, Inc. ENG: V. Panavala DRAWN BY: V. Panavala SCALE: 2:1 Weight: 48.38 Tele: (800) 404-0204 www.ironwoodélectronics.com FILE: SBT-BGA-6004 DATE: 2/7/13



ITEM NO.	DESCRIPTION	Material
1	SBT Ni Plt 23x3mm with 0.375 sft	7075-T6, Plate (SS)
2	SBT Ni plt skt lid 23mm	7075-T6, Plate (SS)
3	SBT COMP PLT NI PLT 23MM CSTM	7075-T6, Plate (SS)
4	Floating Guide 23X23mm 1mm 22x22 arr	PEEK Ceramic filled
5	Middle Guide 23X23mm 1mm 22x22 arr	PEEK Ceramic filled
6	Bottom Guide 23X23mm 1mm 22x22 arr	PEEK Ceramic filled
7	BGA chip for 23x23mm 1mm, 22x22array	Material <not specified=""></not>
8	Target PCB for 23x23mm; 1mm, 22x22	Material <not specified=""></not>
9	Pogo Pin, 1mm Pitch SBT BGA pin	
10	#0-80 X .625 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
11	#0-80 Shoulder Screw, 1.59mm thread length	Stainless Steel (303)
12	Floating Guide Spring	Alloy Steel (SS)
13	compression screw	7075-T6 Aluminum Alloy
14	Dowel Pin, 1/32" x 3/8", SS	Chrome Stainless Steel
15	SBT/CBT Backing Plate 23mm IC	7075-T6 Aluminum Alloy
16	#0-80, 90 deg., head pin guide screw, Peek material	PEEK unfilled



DESCRIPTION: Socket Assy, Insulation Plate

#### Description: Socket Assy, Insulation Plate

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.

Rev	Date	Initials	Description
В	3/25/16	MR	Replaced plastic screws with peek screws

**Insulation Plate Specification** 

# SBT-BGA-6004 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com

Material: N/A Finish: N/A Weight: 48.38

STATUS: Released		SHEET	Γ: 4 OF 4	REV. B
ENG: V. Panava	ala	DRAW	/N BY: V. Panavala	SCALE: 2:1
FILE: SBT-BGA-	-6004	DATE:	2/7/13	