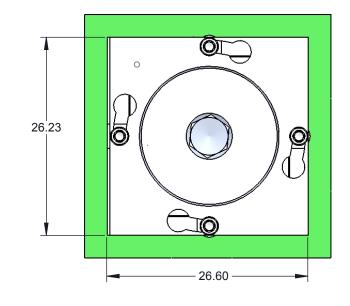
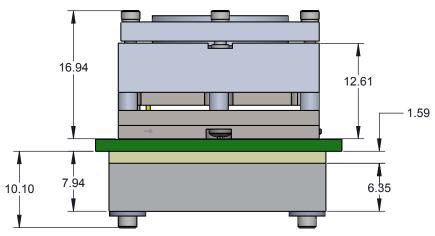
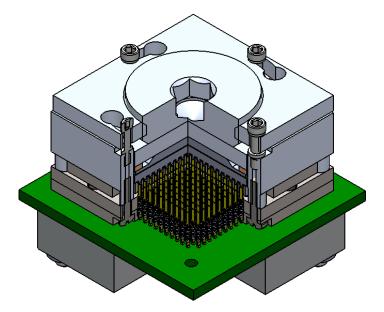
# SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND **TEST APPLICATIONS**





### Features

- Wide temperature range (-55C to +180C).
- High current capability (up to 8A).
- Excellent signal integrity at high frequencies.
  Low and stable contact resistance for reliable production yield.
- Highly compliant to accommodate wide IC package co-planarity variations.
- · Easily removable swivel lid



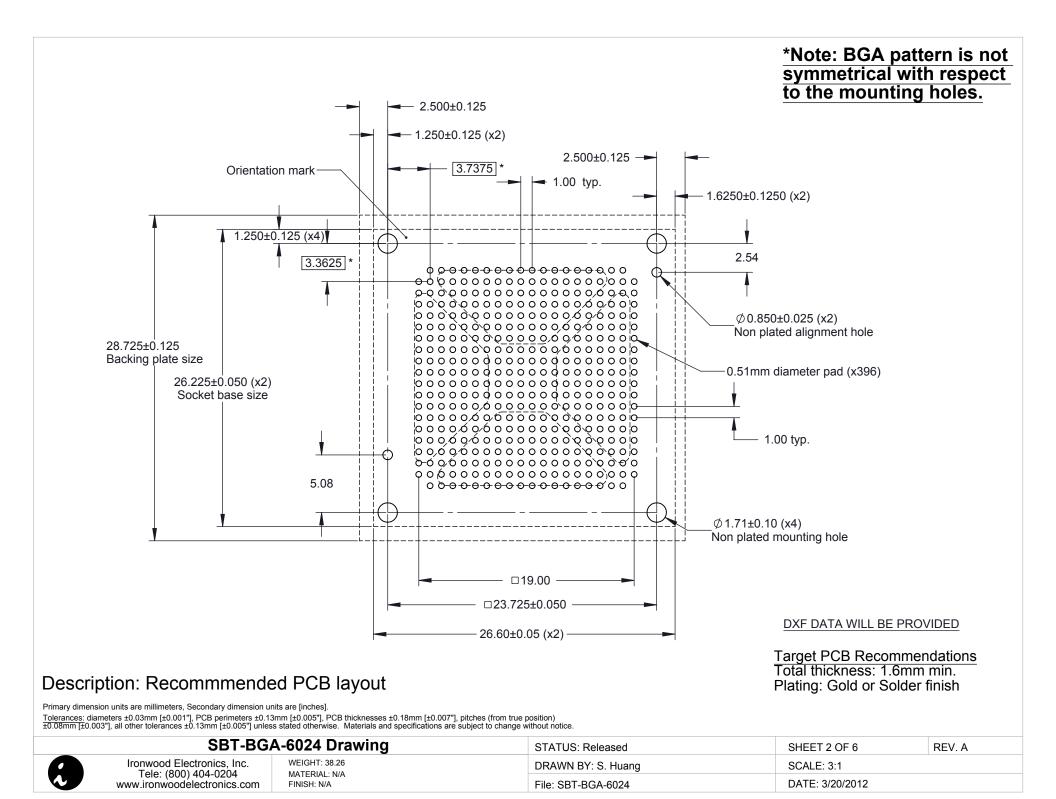
#### Recommended torgue = 3 in-lbs onto compression screw

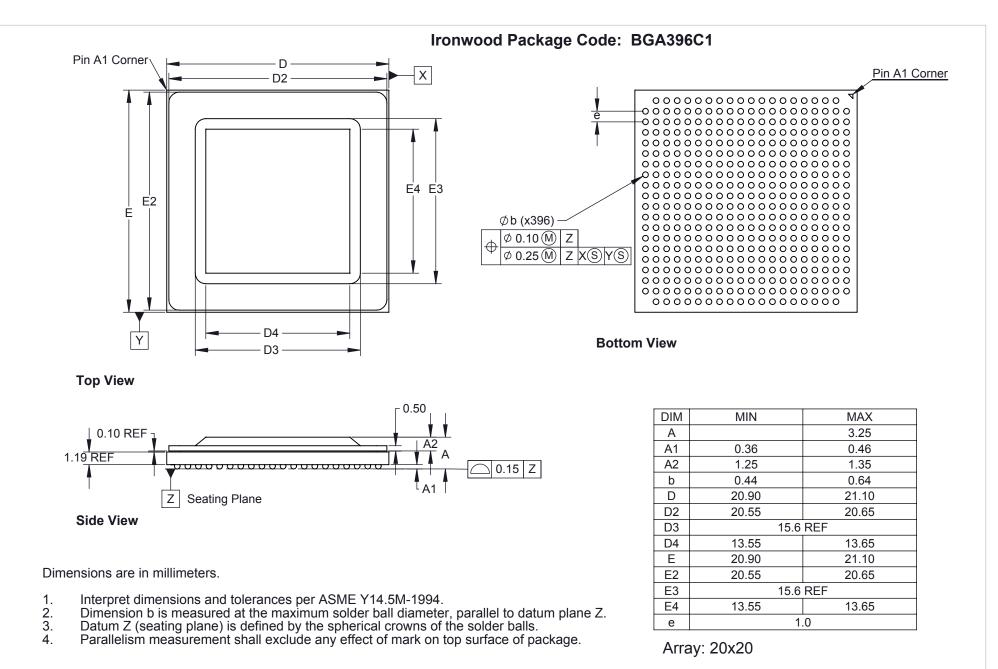
## Description: SBT-BGA396, 21x21mm, 20x20 array 1.0mm pitch

Primary dimension units are millimeters, Secondary dimension units are [inches].

Tolerances: diameters ±0.03mm [±0.001"], PCB perimeters ±0.13mm [±0.005"], PCB thicknesses ±0.18mm [±0.007"], pitches (from true position) ±0.08mm [±0.003"], all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SBT-BGA-6024 Drawing			STATUS: Released	SHEET 1 OF 6	REV. A
•	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	e: (800) 404-0204 MATERIAL: N/A	DRAWN BY: S. Huang	SCALE: 2:1	
			File: SBT-BGA-6024	DATE: 3/20/2012	



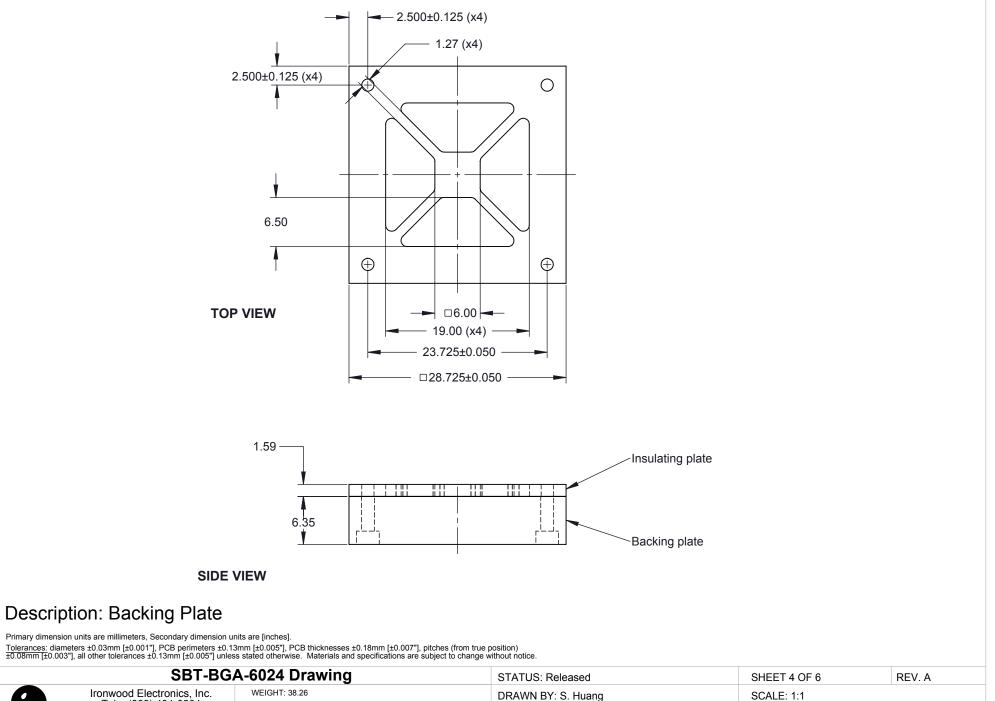


#### Description: Compatible BGA

Primary dimension units are millimeters, Secondary dimension units are [inches].

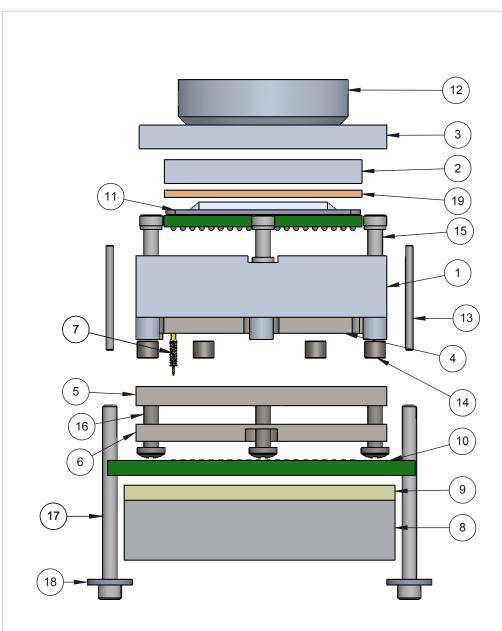
Tolerances: diameters ±0.03mm [±0.001"], PCB perimeters ±0.13mm [±0.005"], PCB thicknesses ±0.18mm [±0.007"], pitches (from true position) ±0.08mm [±0.003"], all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SBT-BGA-6024 Drawing			STATUS: Released	SHEET 3 OF 6	REV. A
8	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	MATERIAL: N/A	DRAWN BY: S. Huang	SCALE: 2.8:1	
			File: SBT-BGA-6024	DATE: 3/20/2012	



DATE: 3/20/2012

		0171100111010000
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	WEIGHT: 38.26	DRAWN BY: S. Huar
	MATERIAL: N/A FINISH: N/A	File: SBT-BGA-6024



ITEM NO.	DESCRIPTION	Material	
1	SBT socket base for 21x21mm IC 0.375mm shift	7075-T6 Aluminum Alloy	
2	Compression PLate, 20.95 X 20.95	7075-T6 Aluminum Alloy	
3	SBT socket lid for 21mm IC	7075-T6 Aluminum Alloy	
4	Floating Guide 20x20 array 1mm pitch	PEEK Ceramic filled	
5	Middle Guide 20x20 array 1mm pitch	PEEK Ceramic filled	
6	Bottom Guide 20x20 array 1mm pitch	PEEK Ceramic filled	
7	Pogo Pin, 1mm Pitch SBT BGA pin		
8	CBT/SBT Backing plate 21mm Ni plated	7075-T6, Plate (SS)	
9	Insulation plate, 21x21mm IC	High Temp FR4	
10	Customer's target PCB for 21x21mm, 20x20 array 1mm pitch BGA396	FR4	
11	BGA 21x21mm 20x20 1mm Pitch	Material <not specified=""></not>	
12	Compression Screw, M18	7075-T6 Aluminum Alloy	
13	Dowel Pin, 1/32" dia, 7/16" Long, 18-8 SS	Chrome Stainless Steel	
14	Floating Guide Spring	Alloy Steel (SS)	
15	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)	
16	Screw, #0-80 x .25", Pan, SS	Material <not specified=""></not>	
17	#0-80 X .75 LG, SOC HD CAP SCREW, 18-8 SS	Stainless Steel (18-8)	
18	Washer, #0 x .025", Nylon	Nylon 6/6	
19	IC Frame for 21mm IC	Ultem 1000	



#### SBT Pin 10:1 scale

## Description: Socket detail, Pin

Primary dimension units are millimeters, Secondary dimension units are [inches]. Tolerances: diameters ±0.03mm [±0.001"], PCB perimeters ±0.13mm [±0.005"], PCB thicknesses ±0.18mm [±0.007"], pitches (from true position) ±0.08mm [±0.003"], all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

A	

SBT-BGA-	6024 Specification	STATUS: Released	SHEET 5 OF 6	REV. A
Ironwood Electronics, Inc.	Material: N/A	DRAWN BY: S. Huang	SCALE: 2.5:1	
Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: N/A Weight: 38.26	File: SBT-BGA-6024	DATE: 3/20/2012	

Rev	Date	Initials	Description
A	-	-	Original

**DESCRIPTION:** Modifications

Primary dimension units are millimeters, Secondary dimension units are [inches].

<u>Tolerances:</u> diameters  $\pm 0.03$ mm [ $\pm 0.001$ "],all other tolerances  $\pm 0.13$ mm [ $\pm 0.005$ "] unless stated otherwise. Materials and specifications are subject to change without notice.

