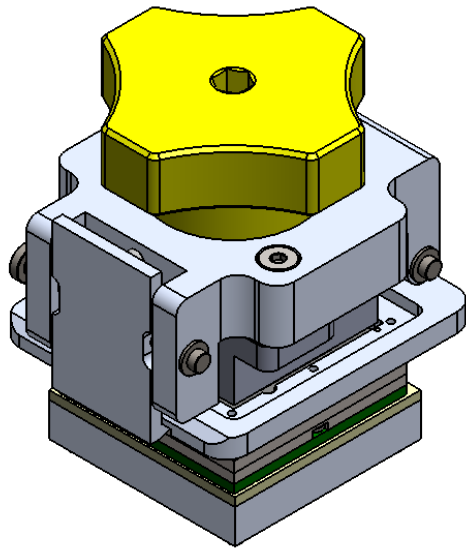
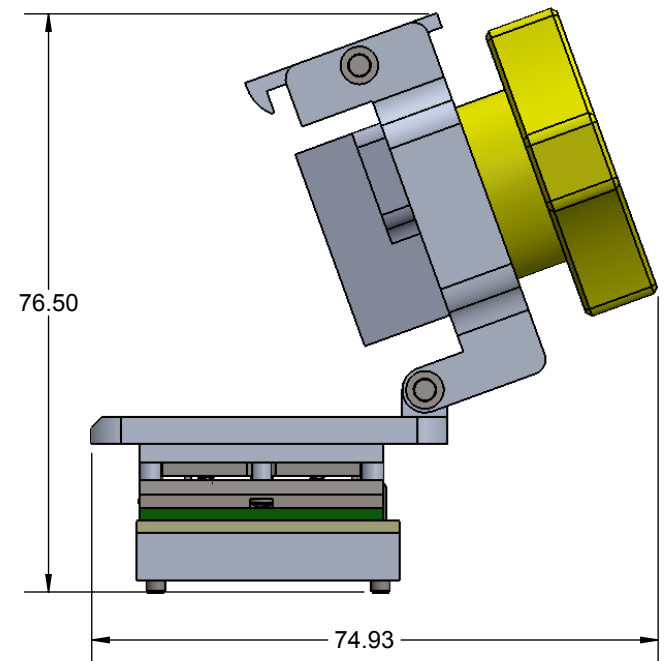
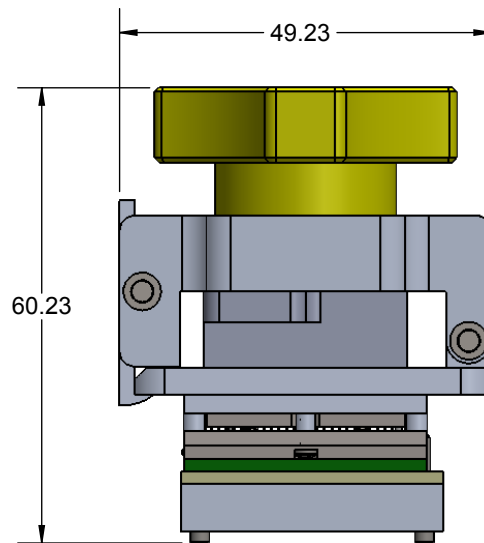
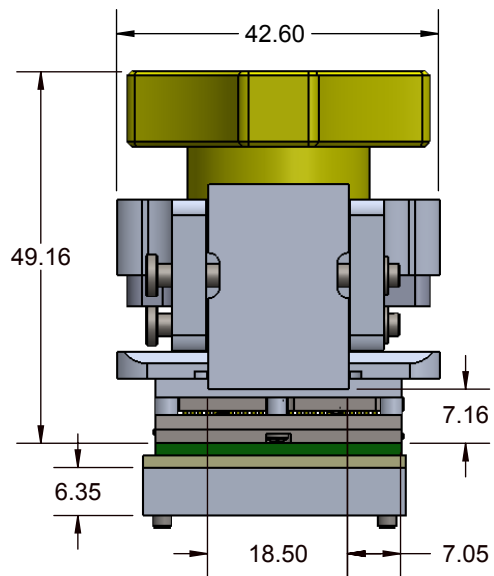


CBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



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 co-planarity variations.
- Automated probe manufacturing enables low cost and short lead time.



Description: CBT-BGA 26x26 array 1mm pitch

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

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

CBT-BGA-6000 Specification



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

Material: Material <not specified>
Finish:
Weight: 159.97

STATUS: Released

DRAWN BY: V. Panavala

FILE: CBT-BGA-6000

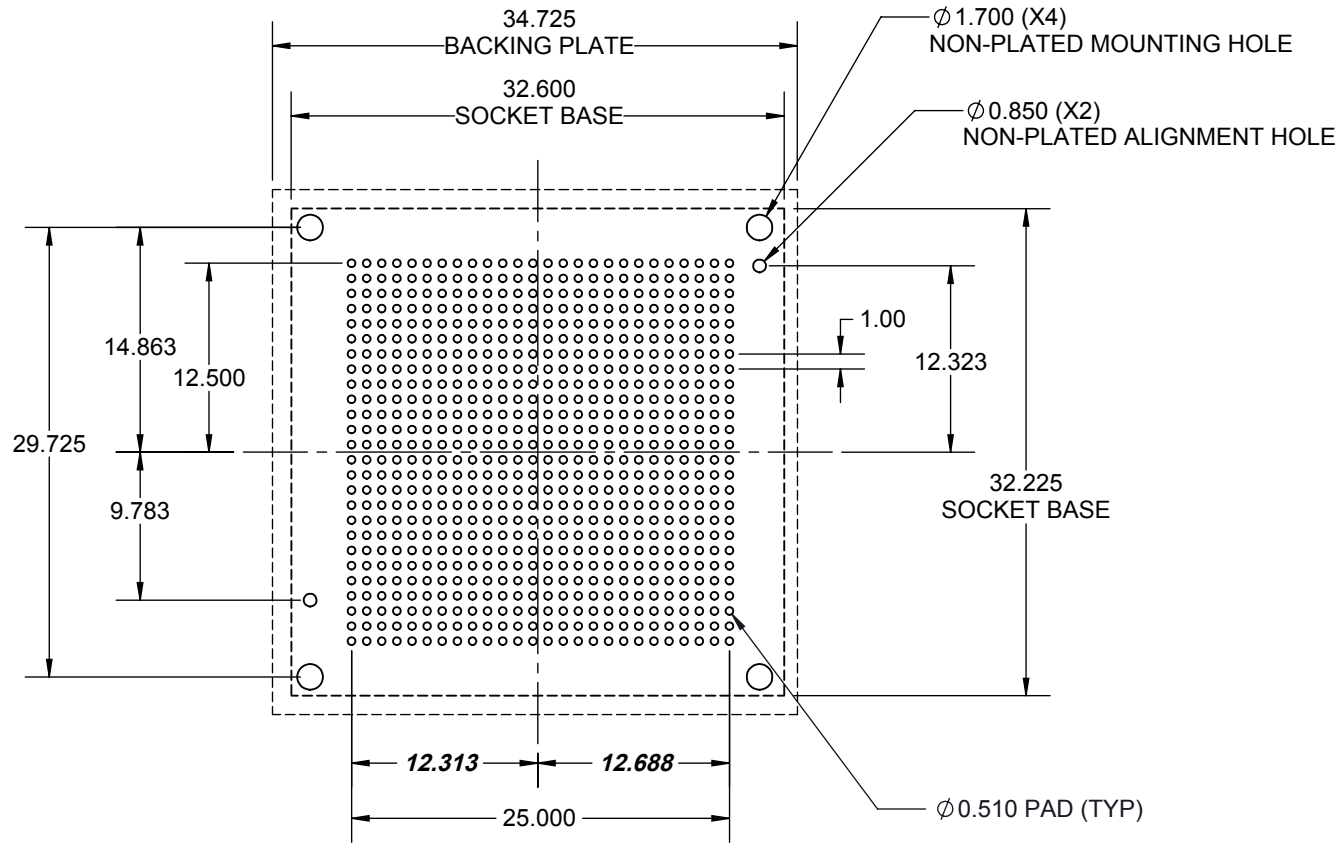
SHEET: 1 OF 4

SCALE: 1:1

DATE: 8/26/2009

REV. A

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




Target PCB Recommendations
 Total thickness: 1.5mm min.
 Plating: Gold or Solder finish

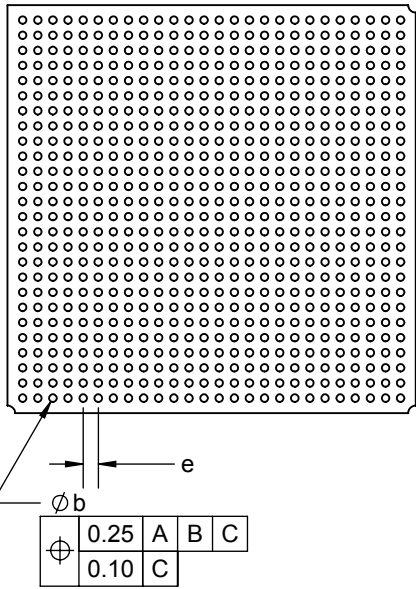
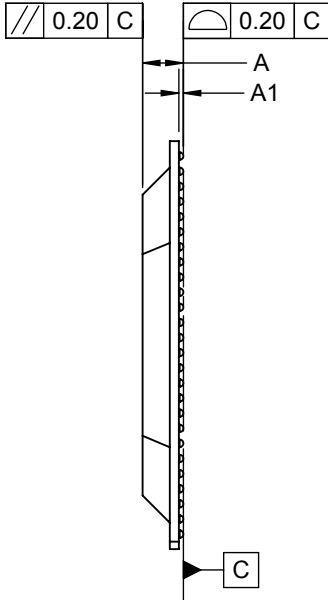
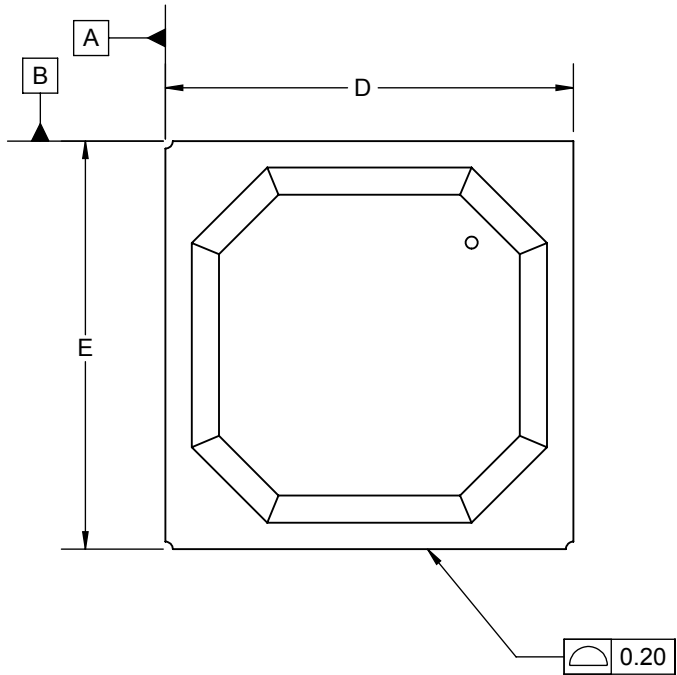
Description: Recommended PCB layout

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

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

 <p>CBT-BGA-6000 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: Material <not specified> Finish: Weight: 159.97</p>	STATUS: Released	SHEET: 2 OF 4	REV. A
		DRAWN BY: V. Panavala	SCALE: 2:1	
		FILE: CBT-BGA-6000	DATE: 8/26/2009	

Ironwood Package coge BGA676C




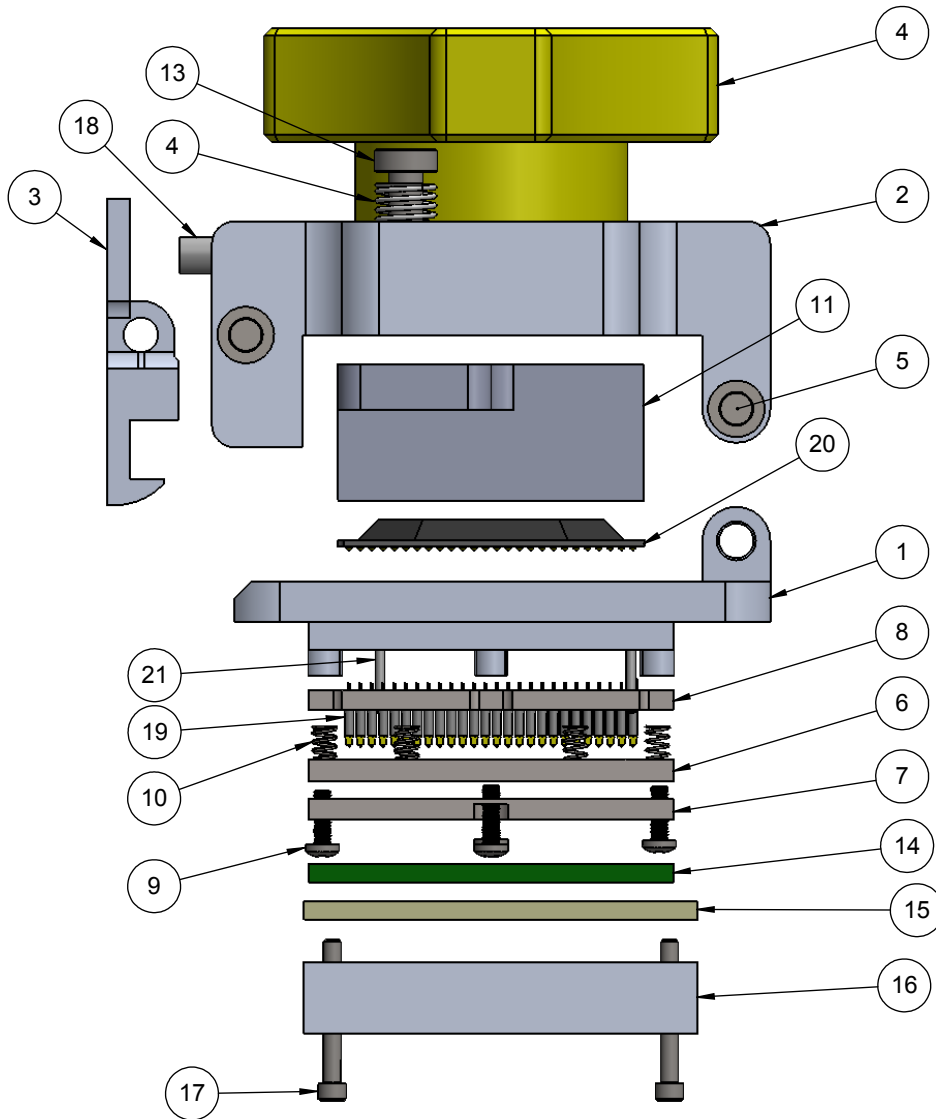
DIM	MIN	MAX
A		4.00
A1	0.40	0.60
b	0.50	0.70
D	26.85	27.15
E	26.85	27.15
e	1.00	
ARRAY	26 X 26	

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.
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.

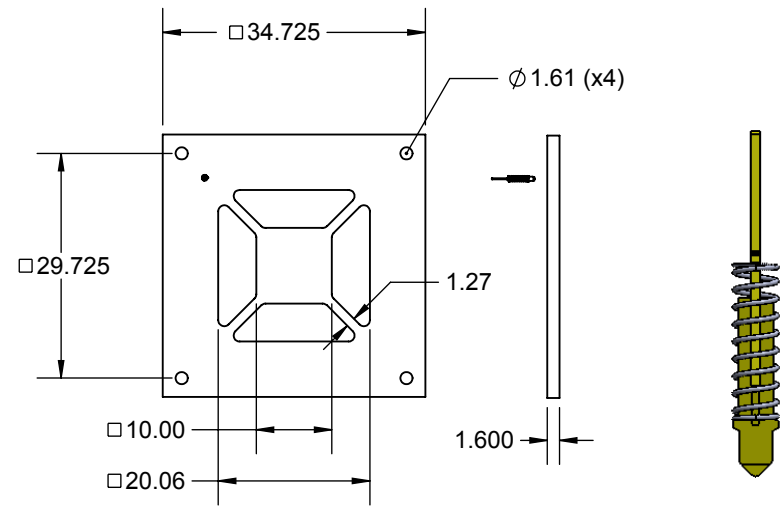
Description: BGA

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.

 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 159.97	STATUS: Released DRAWN BY: V. Panavala FILE: CBT-BGA-6000	SHEET: 3 OF 4 SCALE: 2:1 DATE: 8/26/2009	REV. A



ITEM NO.	DESCRIPTION	Material
1	CBT socket base 27mm with posts	7075-T6 Aluminum Alloy
2	Socket Lid	7075-T6 Aluminum Alloy
3	Latch	7075-T6 Aluminum Alloy
4	Compression Screw	7075-T6 Aluminum Alloy
5	Hinge Pin and Snap Ring, 3mm OD, 30mm long, 1045 Stl, Blk Oxide	AISI 1045 Steel, cold drawn
6	Middle Guide 26x26 array 1mm pitch	PEEK Ceramic filled
7	Bottom Guide 26x26 array 1mm pitch	PEEK Ceramic filled
8	Floating Guide 26x26 array 1mm pitch	PEEK Ceramic filled
9	Screw, #0-80 x .188", Pan, SS	Material <not specified>
10	Floating Guide Spring	Alloy Steel (SS)
11	Compression plate	7075-T6 Aluminum Alloy
12	Spring Clamshell lid assembly	Steel Music Wire
13	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
14	Test PCB BGA676C	FR4
15	Insulation Plate	FR4
16	Backing Plate 27x27mm	7075-T6 Aluminum Alloy
17	#0-80 x 0.5, SH Cap Screw	Material <not specified>
18	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
19	Pogo Pin, 1mm Pitch SBT BGA pin	
20	676 pin BGA package, 1mm Pitch	Material <not specified>
21	Dowel Pin, 1/32" x 3/8", SS	Chrome Stainless Steel




Insulation Plate Specification

PIN DETAIL

Description: Skt, Insulation Plate, Pi

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.

 <p>CBT-BGA-6000 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: Material <not specified> Finish: Weight: 159.97</p>	STATUS: Released	SHEET: 4 OF 4	REV. A
		DRAWN BY: V. Panavala	SCALE: 2:1	
		FILE: CBT-BGA-6000	DATE: 8/26/2009	