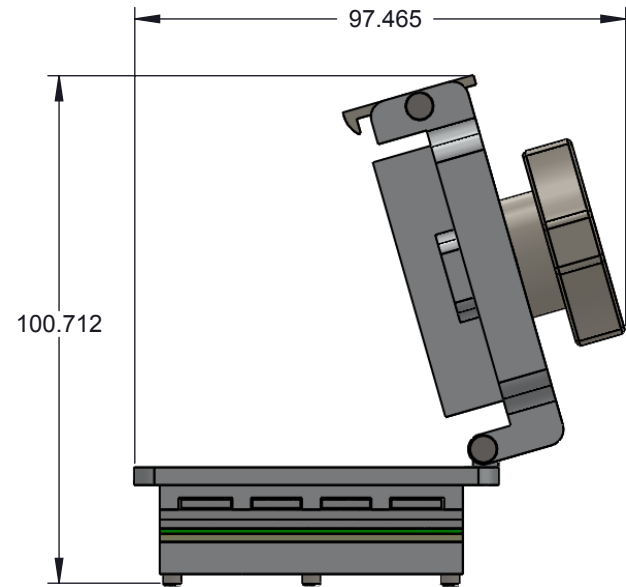
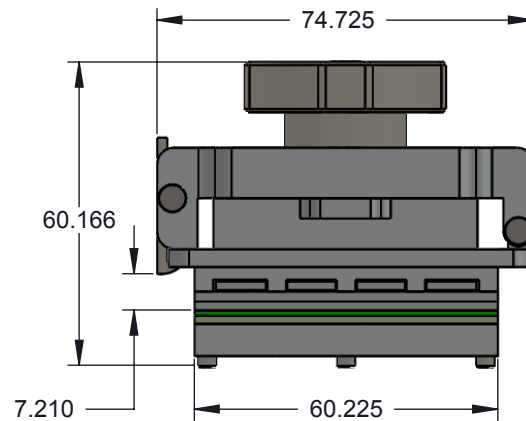
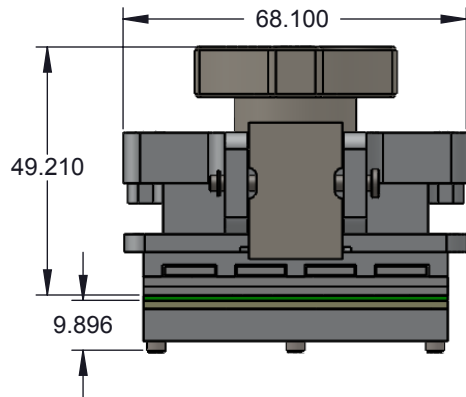
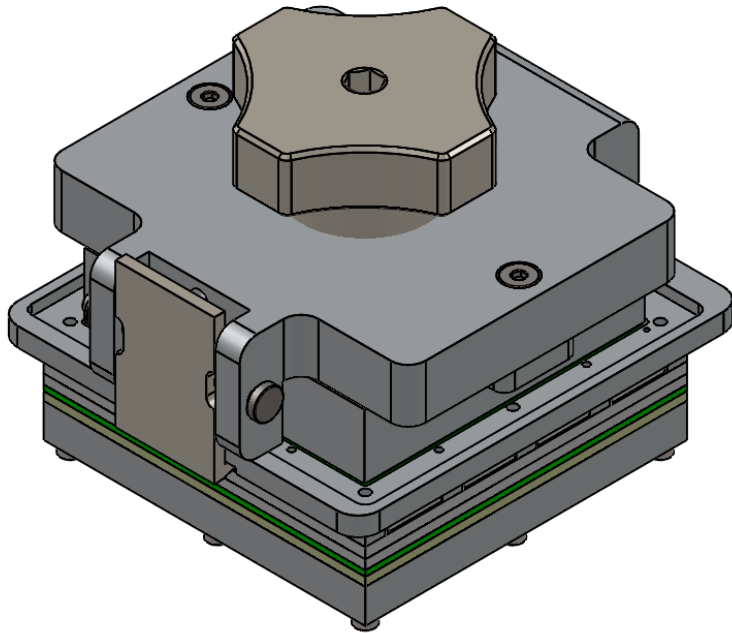


CBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

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-6015, 52.5mm IC, 51x51 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-6015 Specification



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

Material: -
Finish: -
Weight: 386.76

STATUS: Released

DRAWN BY: M. Raske

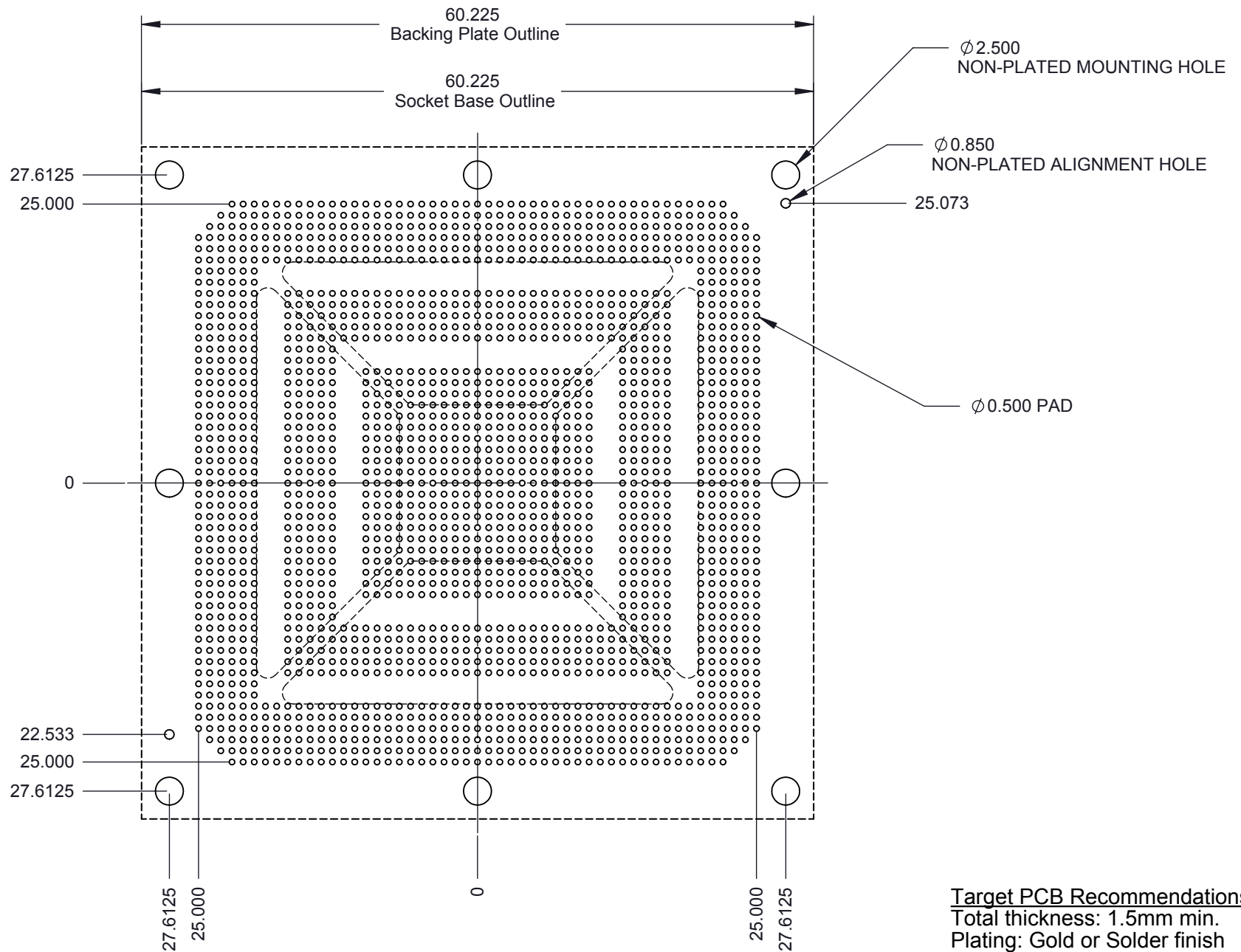
FILE: CBT-BGA-6015 Dwg

SHEET: 1 OF 4

SCALE: 1:1

DATE: 9/11/2012


REV. A

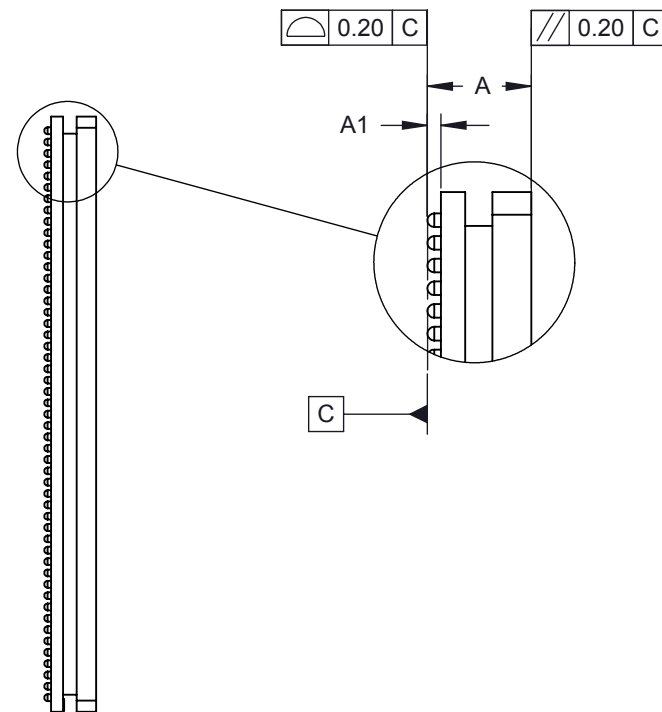
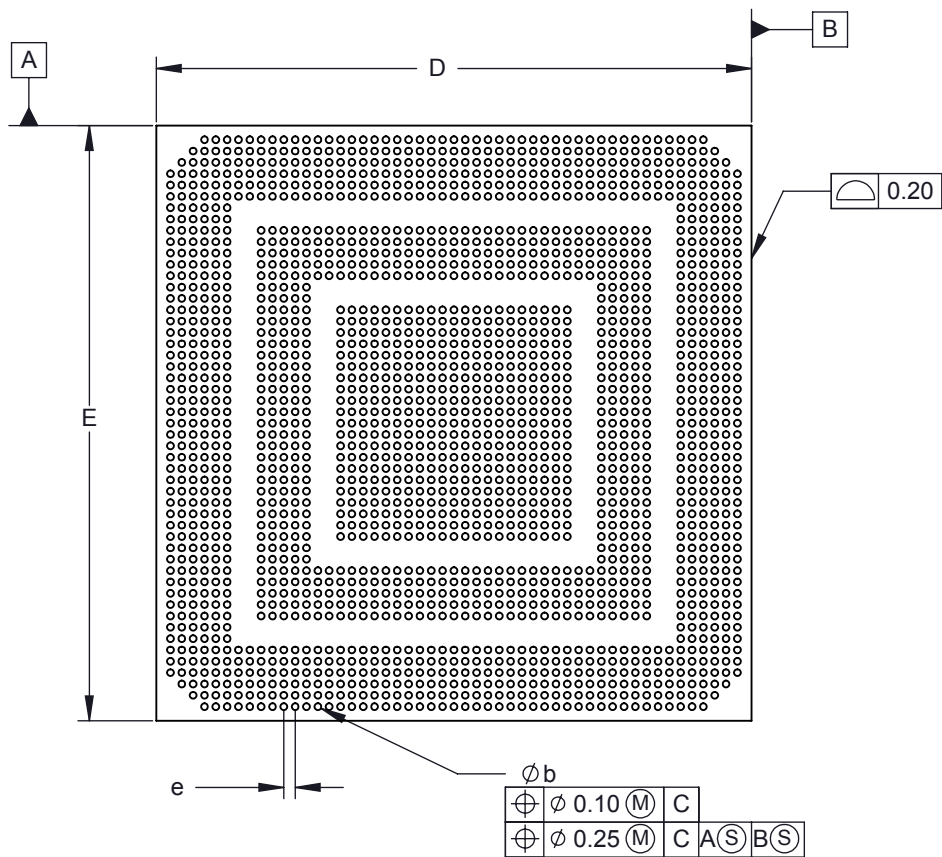


Description: Recommended PCB layout

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-6015 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: - Finish: - Weight: 386.76</p>	STATUS: Released	SHEET: 2 OF 4	REV. A
		DRAWN BY: M. Raske	SCALE: 2:1	
		FILE: CBT-BGA-6015 Dwg	DATE: 9/11/2012	




DIM	MIN	MAX
A	4.01	3.95
A1	0.40	0.60
b	0.50	0.70
D	52.50	
E	52.50	
e	1.0	

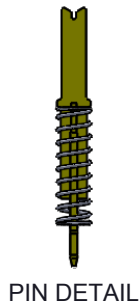
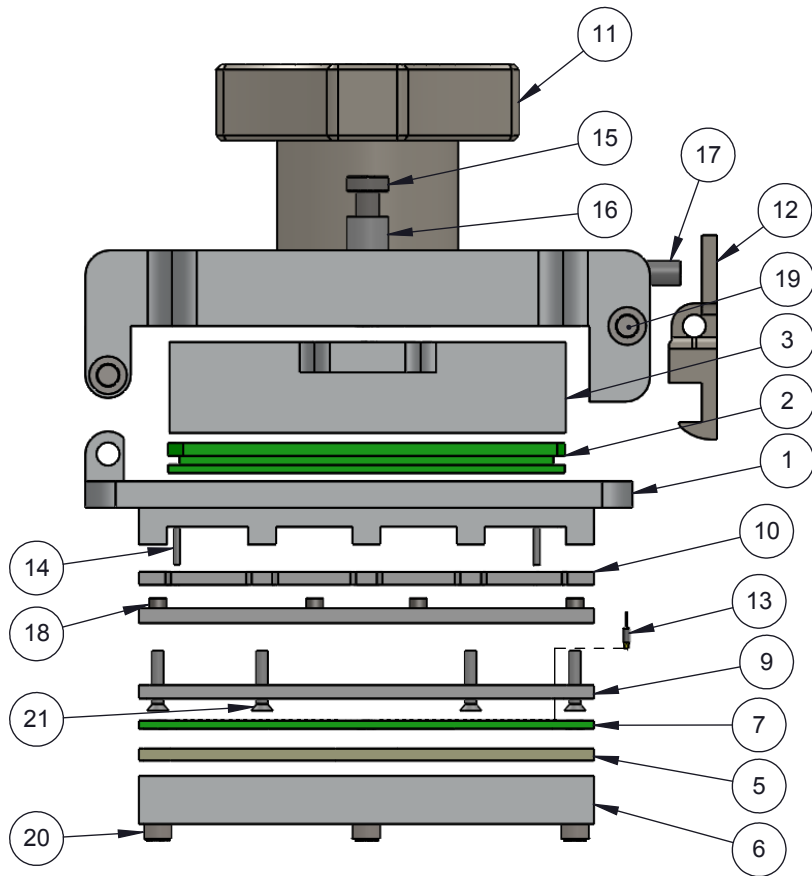
1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
3. Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
4. Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
5. Parallelism measurement shall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

Description: BGA

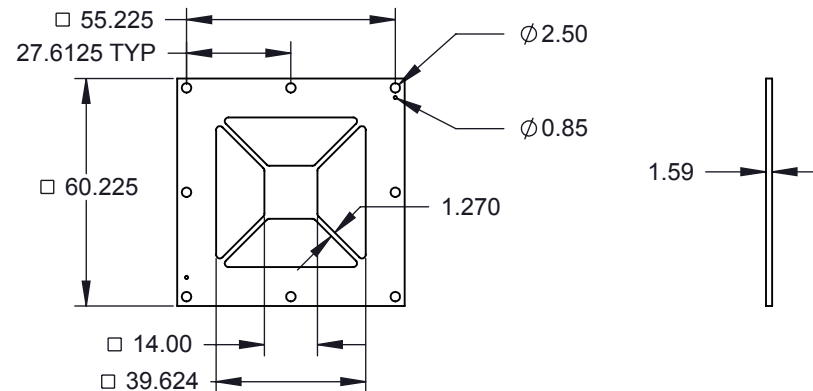
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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

 CBT-BGA-6015 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: - Finish: - Weight: 386.76	STATUS: Released	SHEET: 3 OF 4	REV. A
		DRAWN BY: M. Raske	SCALE: 1:1	
		FILE: CBT-BGA-6015 Dwg	DATE: 9/11/2012	



ITEM NO.	DESCRIPTION	Material
1	Clamshell Socket Base, 52.5mm	7075-T6 Aluminum Alloy
2	Test Chip, 52.5mm	Material <not specified>
3	Compression Plate, 52.5mm	7075-T6 Aluminum Alloy
4	Clamshell Socket Lid, 52.5mm	7075-T6 Aluminum Alloy
5	Insulation Plate, 52.5mm	High Temp FR4
6	Backing Plate, 52.5mm	7075-T6 Aluminum Alloy
7	Test PCB, 52.5mm	Material <not specified>
8	Middle Guide, 52.5mm	PEEK Ceramic filled
9	Bottom Guide, 52.5mm	PEEK Ceramic filled
10	Floating Guide, 52.5mm	PEEK Ceramic filled
11	Compression Screw	7075-T6 Aluminum Alloy
12	Latch	7075-T6 Aluminum Alloy
13	Pogo Pin, 1mm Pitch SBT BGA pin	
14	Dowel Pin, 1/32" x 3/8", SS	Chrome Stainless Steel
15	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
16	Spring Clamshell lid assembly	Steel Music Wire
17	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
18	Floating Guide Spring	Alloy Steel (SS)
19	Hinge Pin and Snap Ring, 3mm OD, 30mm long, 1045 Stl, Blk Oxide	AISI 1045 Steel, cold drawn
20	#2-56 x0.75 LG, SOC HD CAP SCREW	Plain Carbon Steel
21	Screw, #0-80 X .313", Flat, SS	Material <not specified>




INSULATION PLATE

Description: Skt, Insulation Plate, Pin Det

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.

 CBT-BGA-6015 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: - Finish: - Weight: 386.76	STATUS: Released	SHEET: 4 OF 4	REV. A
		DRAWN BY: M. Raske	SCALE: 1:1	
		FILE: CBT-BGA-6015 Dwg	DATE: 9/11/2012	