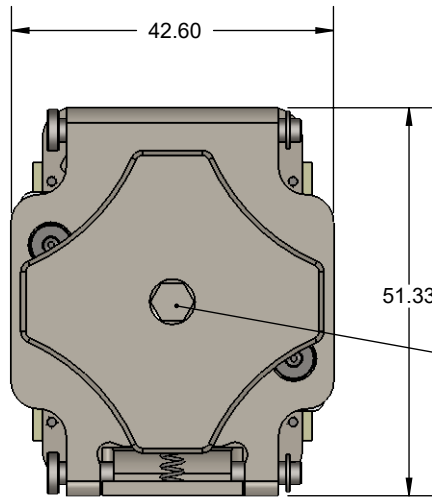


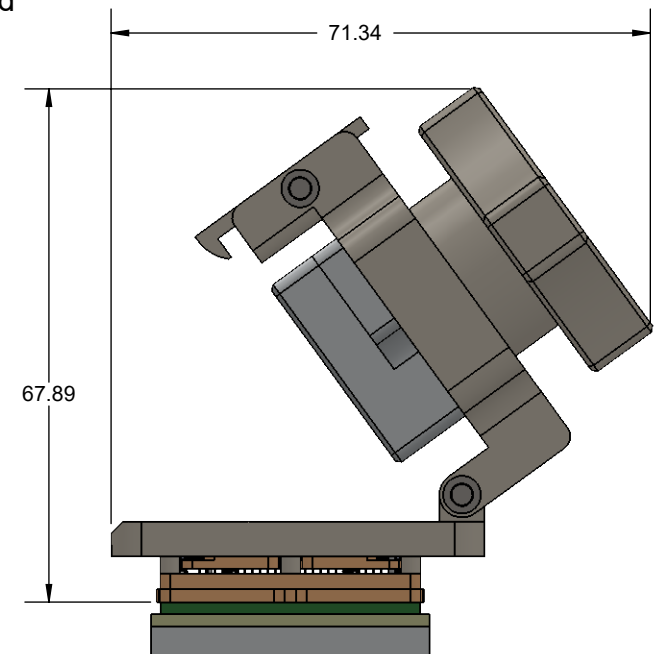
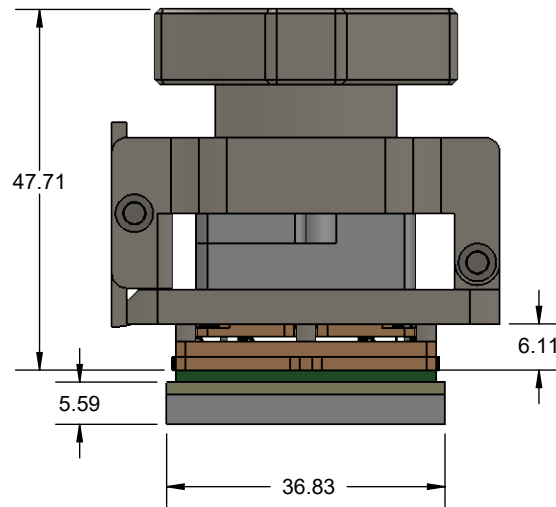
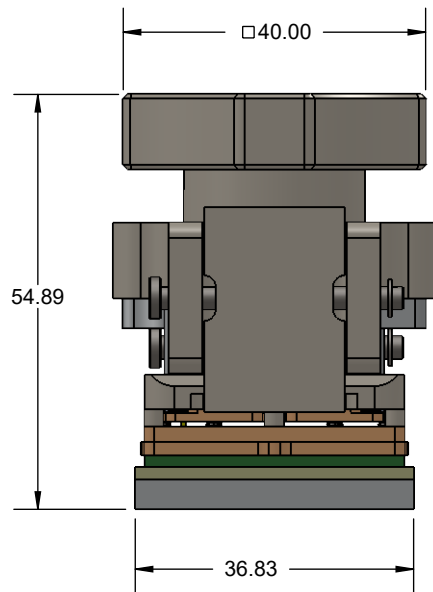
CBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

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.




Required Torque: 7.4 Lbf-in (83.6 N-cm)
Recommended Tool: Contact Ironwood

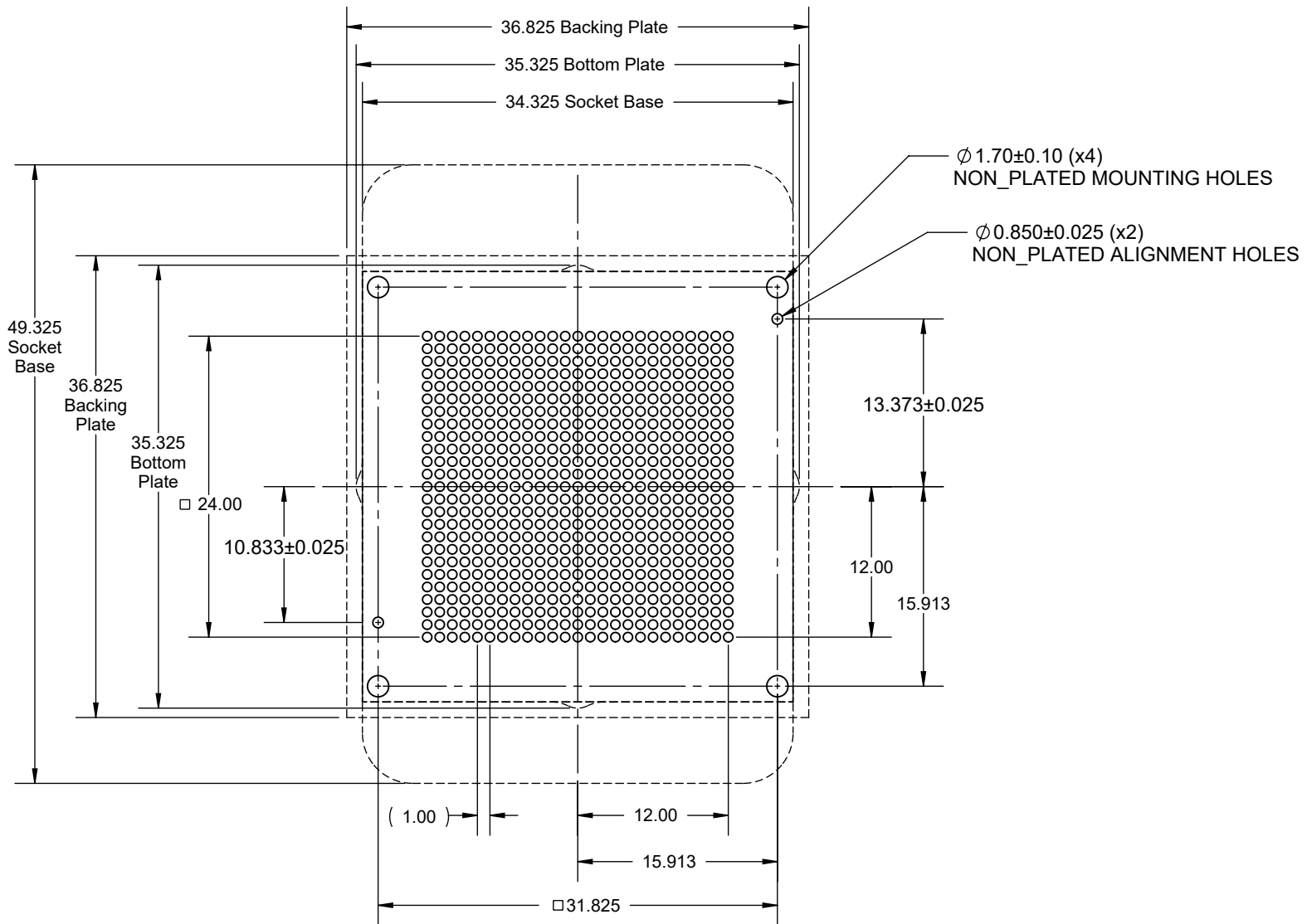


Description: CBT-LGA 29mm 25x25 1.0

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.

 CBT-LGA-5013 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 162.64	STATUS: Released ENG: J. Vavra FILE: CBT-LGA-5013 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 12/20/2016	REV. A SCALE: 1:1




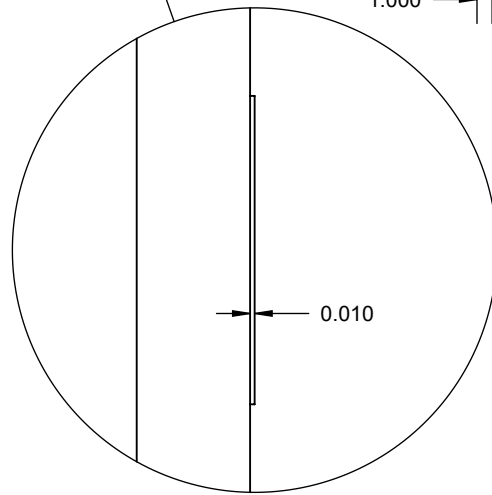
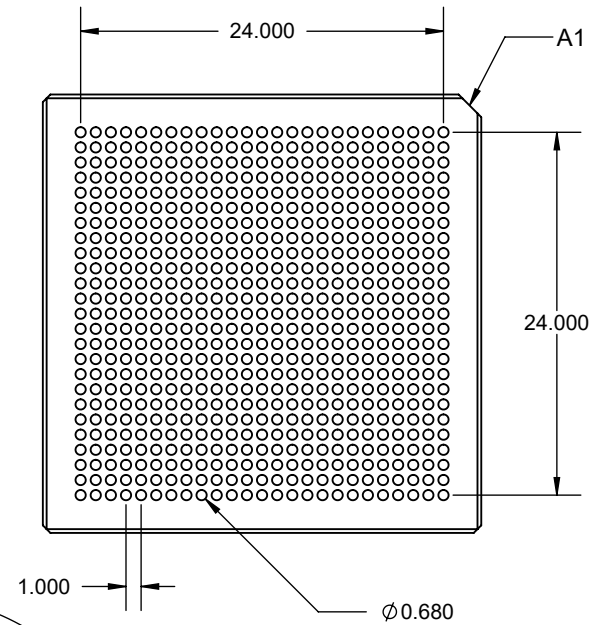
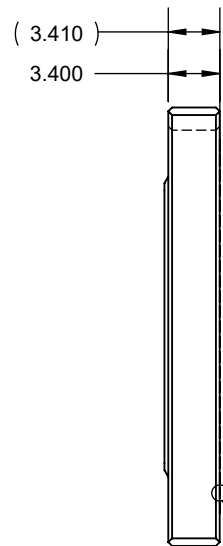
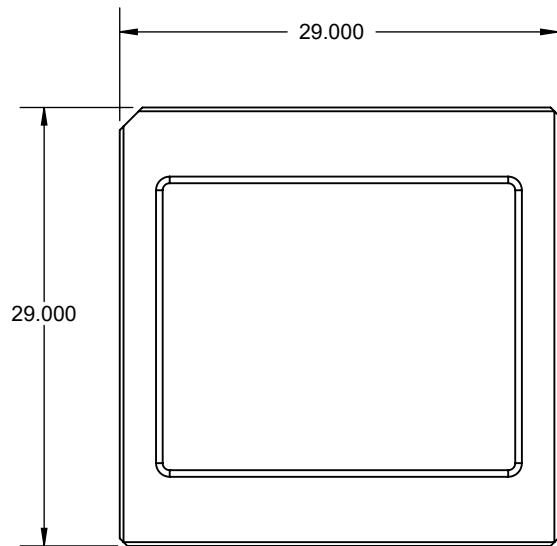
Description: Recommended PCB layout

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.

Target PCB Recommendations
 Total thickness: 1.6mm min.
 Plating: Gold or Solder finish
 PCB pad height: same or higher than solder mask

 CBT-LGA-5013 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 162.64	STATUS: Released	SHEET: 2 OF 4	REV. A
		ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 2:1
		FILE: CBT-LGA-5013 Dwg	DATE: 12/20/2016	




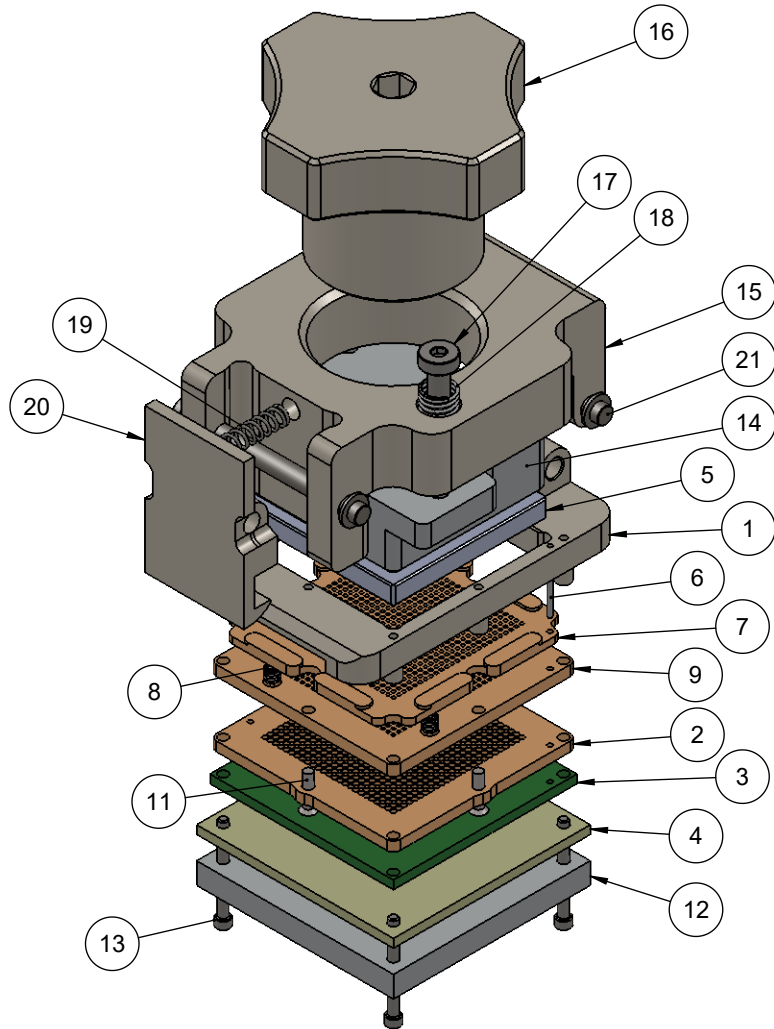
Ironwood Package Code: LGA625B

Description: LGA

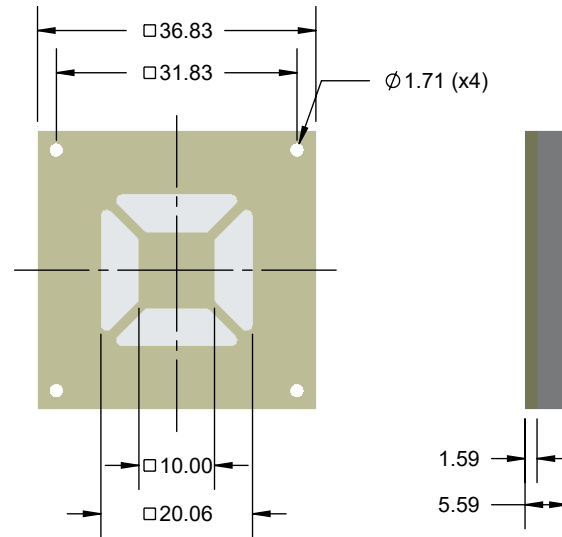
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

 CBT-LGA-5013 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 162.64	STATUS: Released	SHEET: 3 OF 4	REV. A
		ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 1:1
		FILE: CBT-LGA-5013 Dwg	DATE: 12/20/2016	




ITEM NO.	DESCRIPTION	Material
1	Socket base	7075-T6 Aluminum Alloy
2	Bottom Guide	Semitron MDS 100
3	Target PCB	Material <not specified>
4	Insulation Plate	FR4
5	Compatible Device	Material <not specified>
6	Dowel Pin, 1/32" x 3/8", SS	Chrome Stainless Steel
7	Floating Guide, 625x 0.61mm dia holes	Semitron MDS 100
8	Floating Guide Spring	Alloy Steel (SS)
9	Middle Guide	Semitron MDS 100
10	LGA Stamped Pin 1mm pitch	N/A
11	#0-80X0.25", 90 deg., head pin guide screw, Peek material	PEEK unfilled
12	Backing Plate	7075-T6 Aluminum Alloy
13	#0-80 X .625 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
14	Compression Plate	7075-T6 Aluminum Alloy
15	Socket Lid	7075-T6 Aluminum Alloy
16	Compression Screw	7075-T6 Aluminum Alloy
17	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
18	Spring Clamshell lid assembly	Steel Music Wire
19	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
20	Latch	7075-T6 Aluminum Alloy
21	Hinge Pin and Snap Ring, 3mm OD, 30mm long, 1045 Stl, Blk Oxide	AISI 1045 Steel, cold drawn



Description: Socket Assy

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.

 CBT-LGA-5013 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 162.64	STATUS: Released ENG: J. Vavra FILE: CBT-LGA-5013 Dwg	SHEET: 4 OF 4 DRAWN BY: M. Raske DATE: 12/20/2016	REV. A SCALE: 1:1
---	--	---	---	----------------------