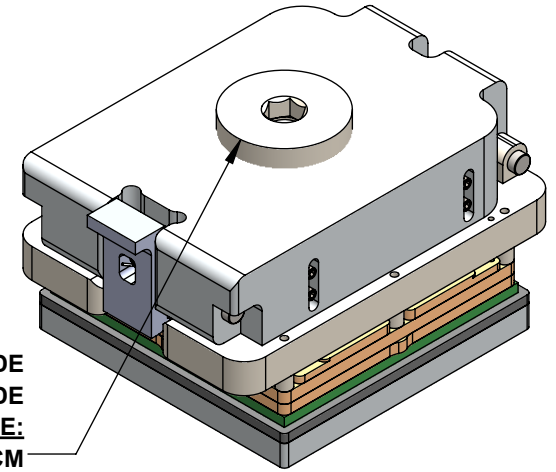


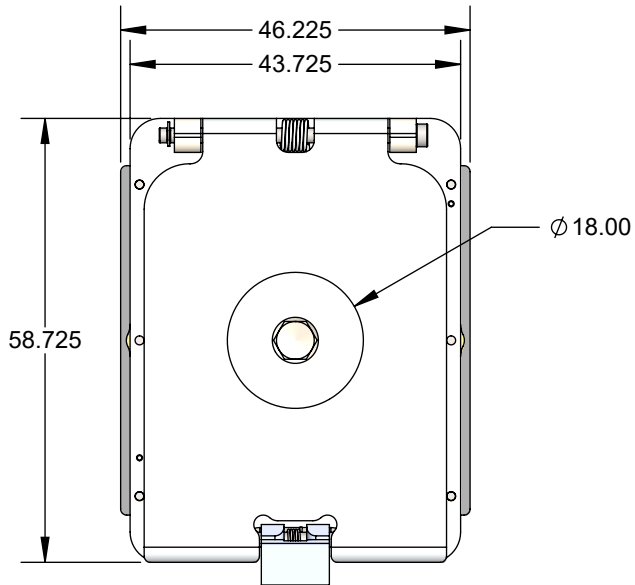
CBT-LGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

FEATURES:

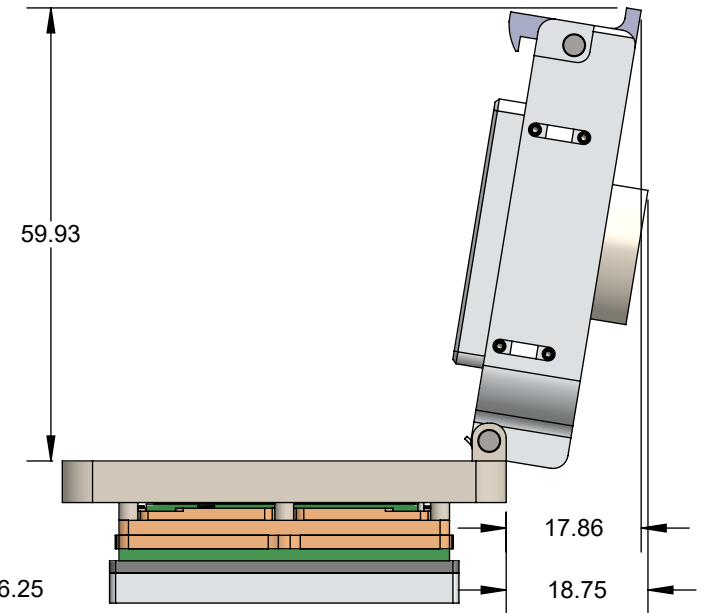
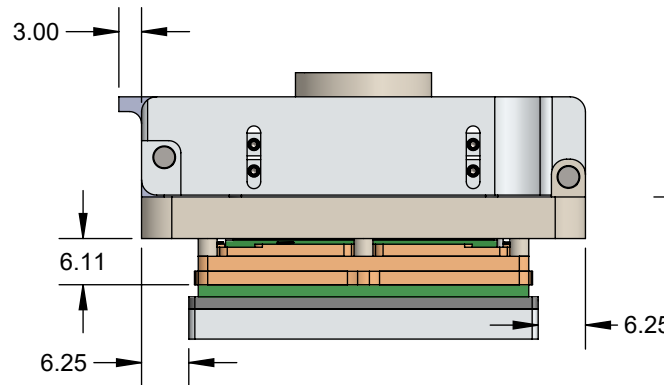
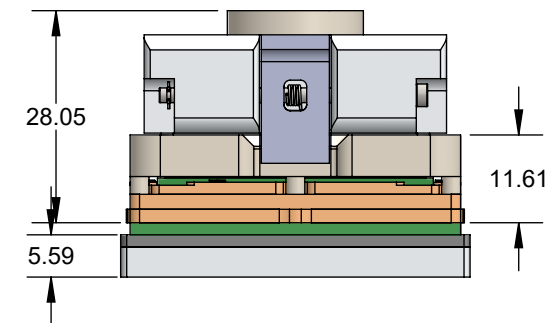
- Wide temperature range (-55C to +180C)
- High current capability (up to 4A)
- Excellent signal integrity at high frequencies
- Low and stable contact resistance for reliable production yield
- Highly compliant to accommodate wide co-planarity variations
- Automated probe manufacturing enables low cost and short lead time



**TORQUE UNTIL FLOATING GUIDE
CONTACTS MIDDLE GUIDE
ESTIMATED TORQUE:
3.00 IN-LBF, 48.5 IN-OZF, 34.0 N-CM**




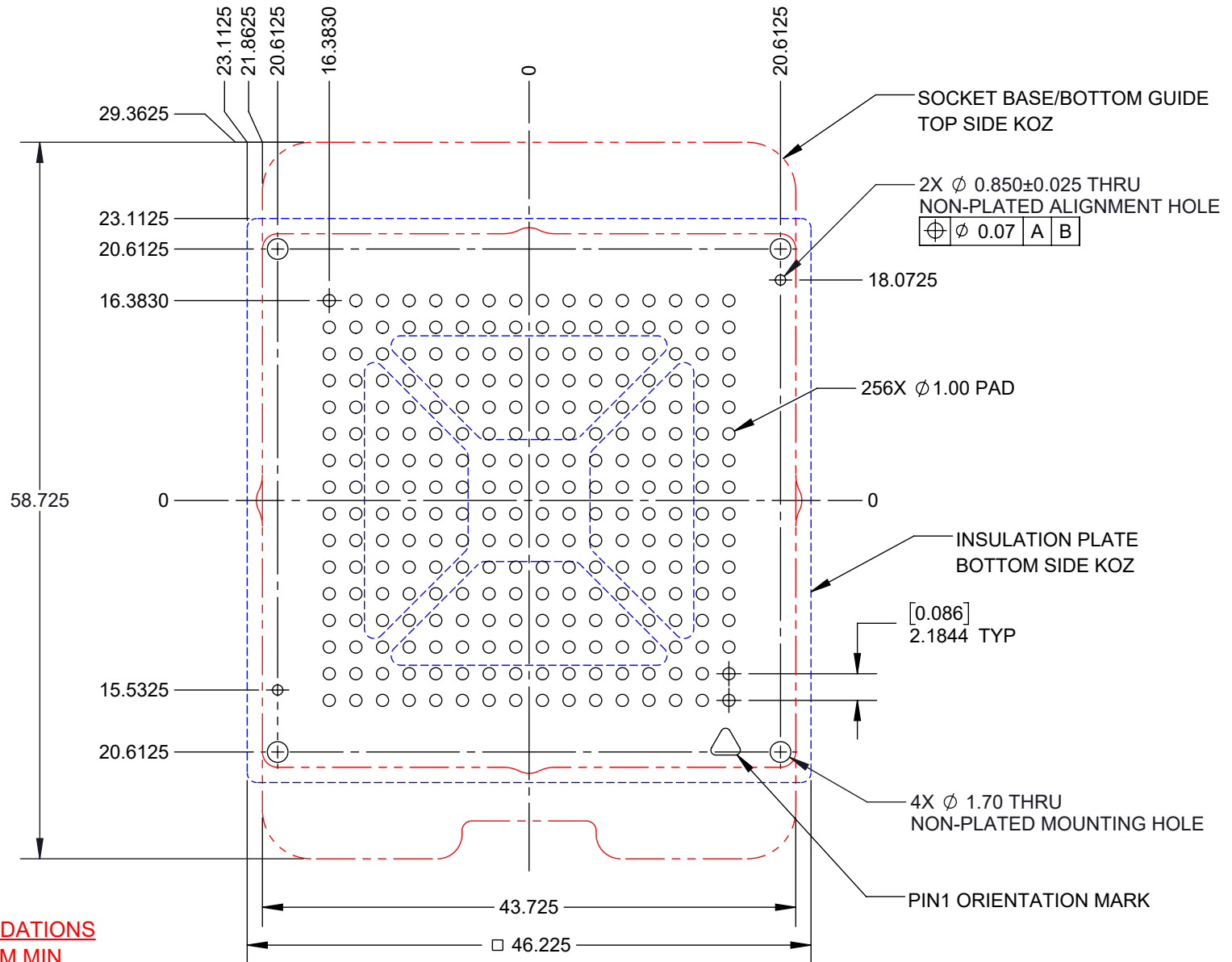
**PIN DETAIL
SCALE 6:1**



Description: CBT-LGA256, 36.5x36.5mm, 16x16 Array, 2.184mm Pitch

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001^{\circ}$], Pitches (from true position) $\pm 0.0254\text{mm}$ [$\pm 0.001^{\circ}$],
substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005^{\circ}$]
unless stated otherwise. Materials and specifications are subject to change without notice.


 <p>CBT-LGA-5014 Drawing ©2016 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: Finish: Weight: 155.37</p>	STATUS: Released	SHEET: 1 OF 4	REV. A
		ENG: A. Nord	DRAWN BY: M. Raske	SCALE: 1:1
		FILE: CBT-LGA-5014 Dwg	DATE: 03/09/2018	

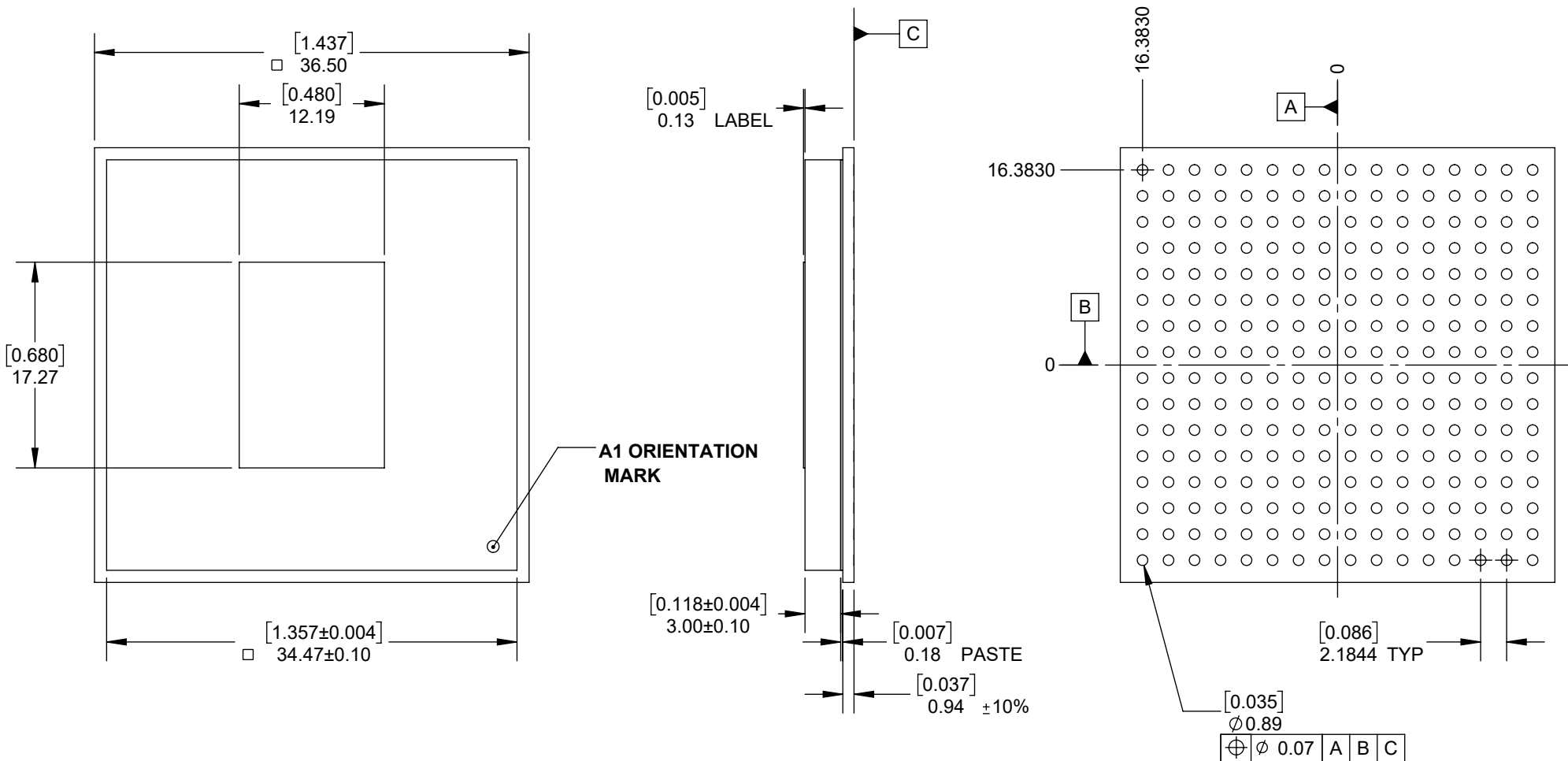


TARGET PCB RECOMMENDATIONS
TOTAL THICKNESS: 1.60MM MIN
PLATING: GOLD OR SOLDER FINISH
RECOMMENDATION LINK: [CLICK HERE](#)

Description: Recommended PCB Layout


Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
 Tolerances: Hole diameters \pm 0.0254mm [\pm 0.001"], Pitches (from true position) \pm 0.0254mm [\pm 0.001"],
 substrate thickness tolerance \pm 10%, all other tolerances \pm 0.127mm [\pm 0.005"]
 unless stated otherwise. Materials and specifications are subject to change without notice.

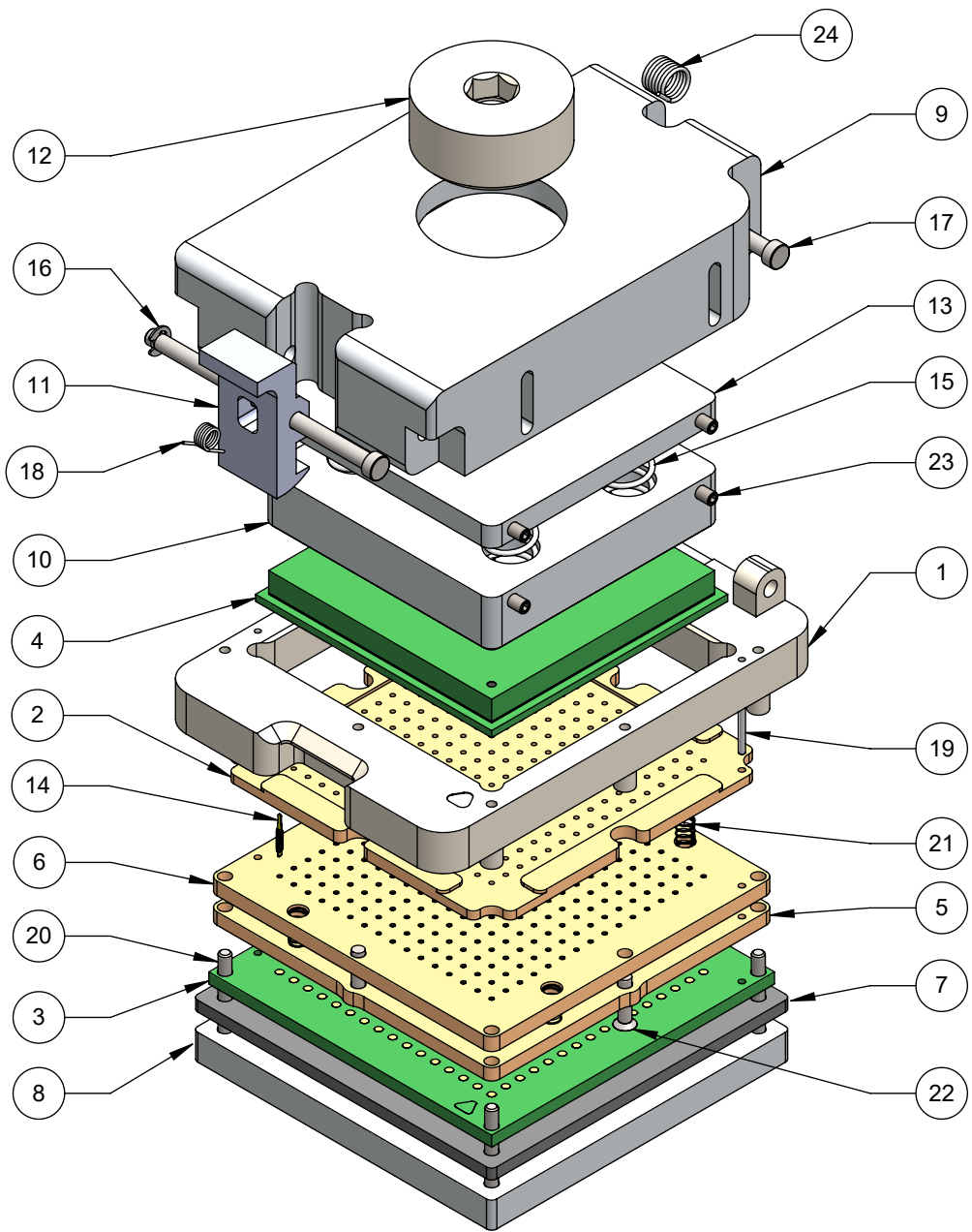
 ©2016 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	CBT-LGA-5014 Drawing	Material: Finish: Weight: 155.37	STATUS: Released ENG: A. Nord FILE: CBT-LGA-5014 Dwg	SHEET: 2 OF 4 DRAWN BY: M. Raske DATE: 03/09/2018	REV. A SCALE: 2:1



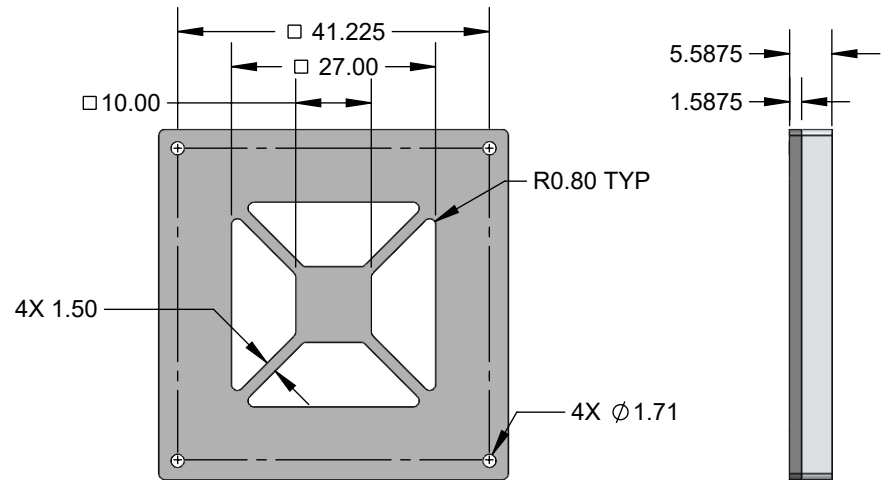
Description: Compatible Device

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
 Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [± 0.001 "], Pitches (from true position) $\pm 0.0254\text{mm}$ [± 0.001 "],
 substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [± 0.005 "]
 unless stated otherwise. Materials and specifications are subject to change without notice.

 <p>©2016 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>CBT-LGA-5014 Drawing</p>	<p>Material: Finish: Weight: 155.37</p>	<p>STATUS: Released</p>	<p>SHEET: 3 OF 4</p>	<p>REV. A</p>
			<p>ENG: A. Nord</p>	<p>DRAWN BY: M. Raske</p>	<p>SCALE: 2:1</p>
			<p>FILE: CBT-LGA-5014 Dwg</p>	<p>DATE: 03/09/2018</p>	




ITEM NO.	DESCRIPTION	Material
1	Socket Base, 36.5x36.5mm IC, Snap Lid	7075-T6 Aluminum Alloy
2	Floating Guide, 36.5x36.5mm, 16x16 Array, 2.184mm Pitch, LGA256	Semitron MDS 100
3	Test PCB, 36.5x36.5mm, 16x16 Array, 2.184mm Pitch, LGA256	Material Not Specified
4	Test Chip, 36.5x36.5mm, 16x16 Array, 2.184mm Pitch, LGA256	Material Not Specified
5	Bottom Guide, 36.5x36.5mm, 16x16 Array, 2.184mm Pitch, LGA256	Semitron MDS 100
6	Middle Guide, 36.5x36.5mm, 16x16 Array, 2.184mm Pitch, LGA256	Semitron MDS 100
7	Insulation Plate, 36.5x36.5mm IC	FR5 / G11 Black
8	Backing Plate, 36.5x36.5mm IC	7075-T6 Aluminum Alloy
9	Socket Lid, 36.5x36.5mm IC, Snap Lid	7075-T6 Aluminum Alloy
10	Bottom Compression Plate, 36.5x36.5mm IC, Snap Lid	7075-T6 Aluminum Alloy
11	Latch, 17mm Tall, 9mm Wide, T-Bar Top, 2mm Hinge	7075-T6 Aluminum Alloy
12	Compression Screw, M18, 8mm	7075-T6 Aluminum Alloy
13	Top Compression Plate, 36.5x36.5mm IC, Snap Lid	7075-T6 Aluminum Alloy
14	LGA Stamped Pin 1mm pitch	N/A
15	6.10 OD, Free length 11.13mm, rate 0.357kg/mm, Solid ht 3.84mm	Stainless Steel
16	Snap ring for 2mm Hinge pin 0.15" OD	Steel
17	Hinge Pin, M2 X 32.5mm LG, 18-8 SS	347 Stainless Steel
18	Torsion Spring, 180 0.109" OD, Ccw/Rh	Steel Music Wire
19	Dowel Pin, 1/32" x 3/8", SS	Chrome Stainless Steel
20	#0-80 x 0.5, SH Cap Screw	Alloy Steel
21	Floating Guide Spring	Alloy Steel (SS)
22	#0-80X0.25", 90 deg., head pin guide screw, Peek material	PEEK unfilled
23	Shoulder Set Screw, 0-80x3mm Thread, 1.60mm Dia x 2.00mm Shoulder	Stainless Steel
24	180° Torsion Spring for 3mm pin	Steel Music Wire



Description: Socket Specification

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
 Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0254\text{mm}$ [$\pm 0.001"$],
 substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$]
 unless stated otherwise. Materials and specifications are subject to change without notice.

CBT-LGA-5014 Drawing  ©2016 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Finish: Weight: 155.37	STATUS: Released	SHEET: 4 OF 4	REV. A
		ENG: A. Nord	DRAWN BY: M. Raske	SCALE: 5:4
		FILE: CBT-LGA-5014 Dwg	DATE: 03/09/2018	