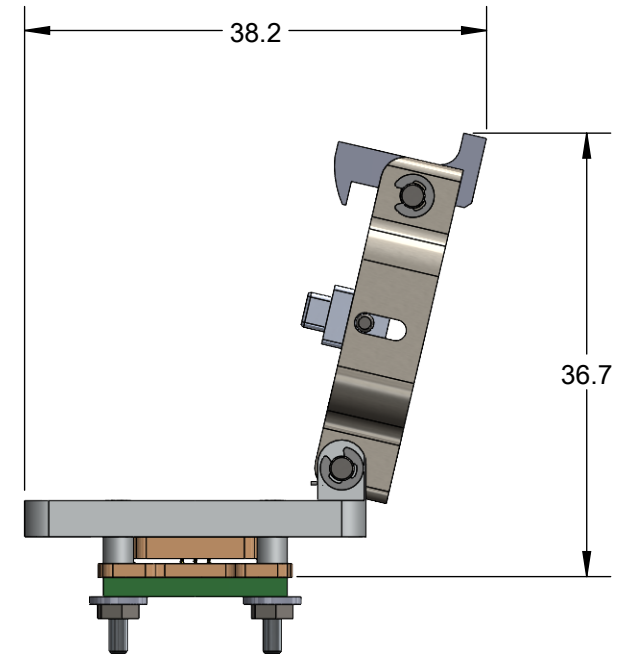
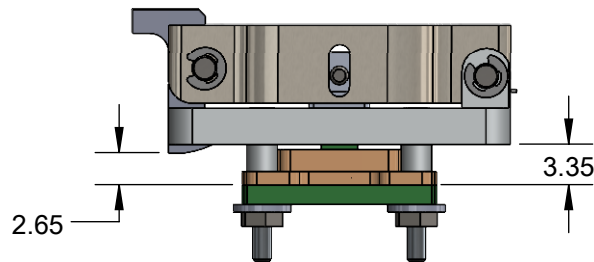
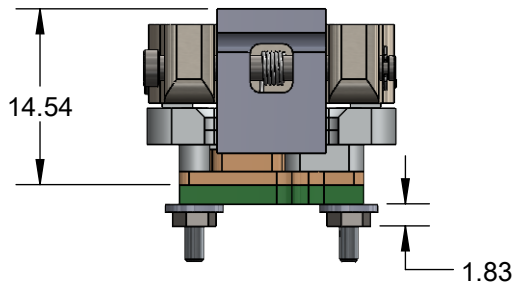
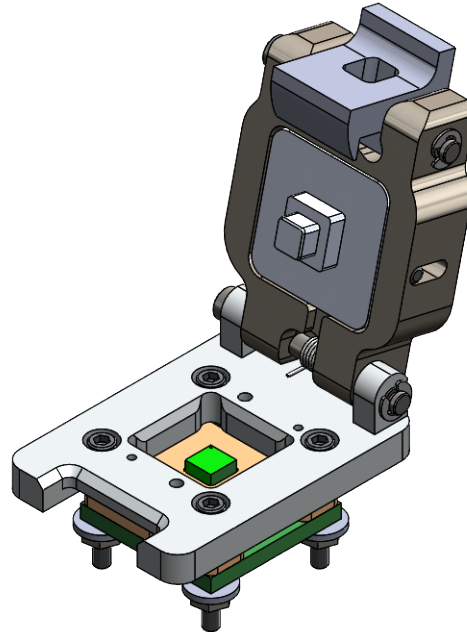
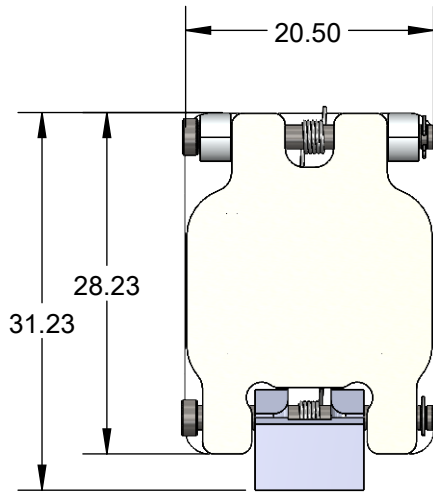


# CBT-LGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

## Features

- Wide temperature range (-55C to +180C)
- High current capability (up to 2A)
- 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-LGA6, 3x3mm SAW filter, snap lid

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-5017 Drawing



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

Material: Material <not specified>  
Finish:  
Weight: 15.16

STATUS: Released

ENG: M. Raske

FILE: CBT-LGA-5017 Dwg

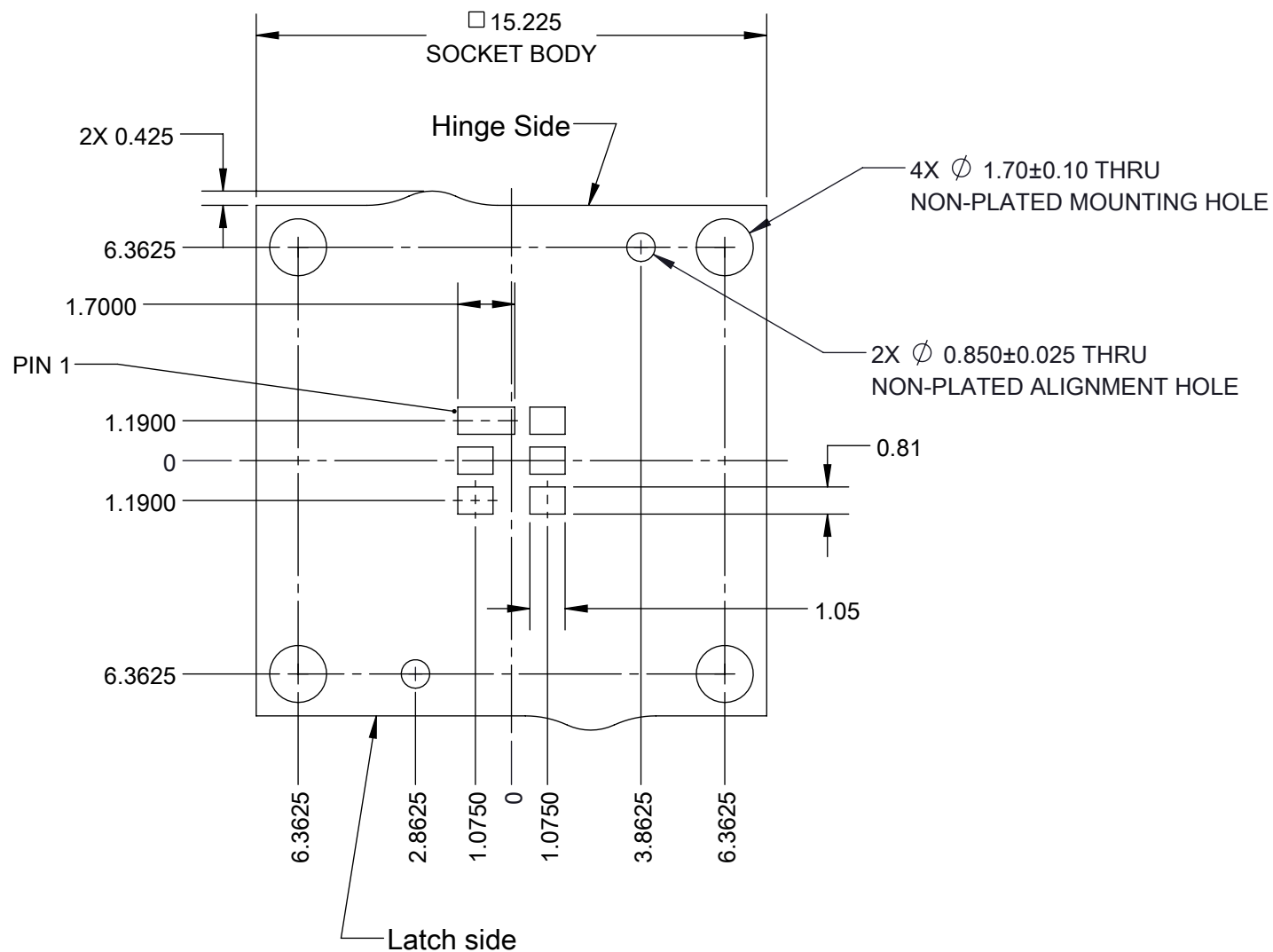
SHEET: 1 OF 5

DRAWN BY: M. Raske

DATE: 07/07/2020

REV. A

SCALE: 1.6:1




## Description: Recommended PCB Layout

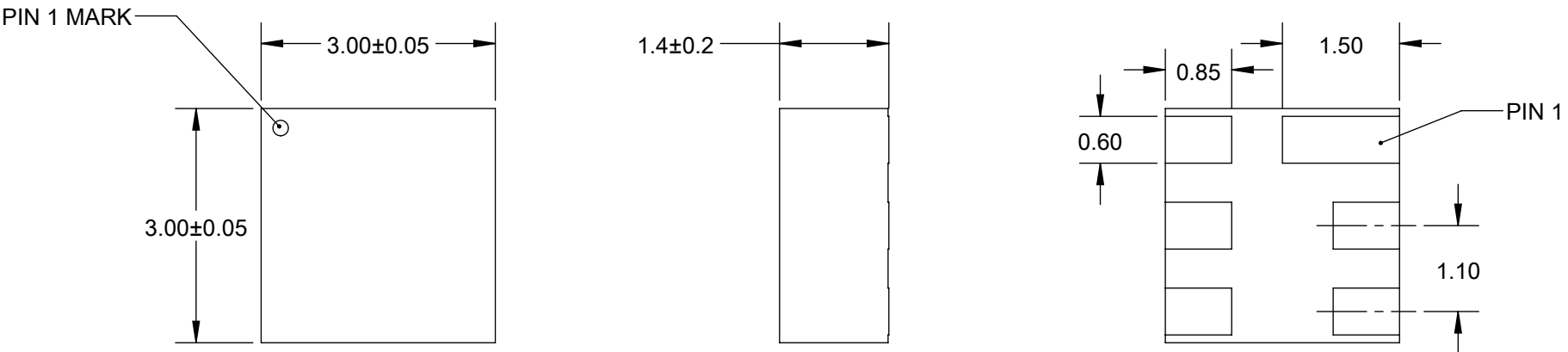
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

**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-3.90mm


 <b>CBT-LGA-5017 Drawing</b> Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 15.16	STATUS: Released	SHEET: 2 OF 5	REV. A
		ENG: M. Raske	DRAWN BY: M. Raske	SCALE: 5:1
		FILE: CBT-LGA-5017 Dwg	DATE: 07/07/2020	

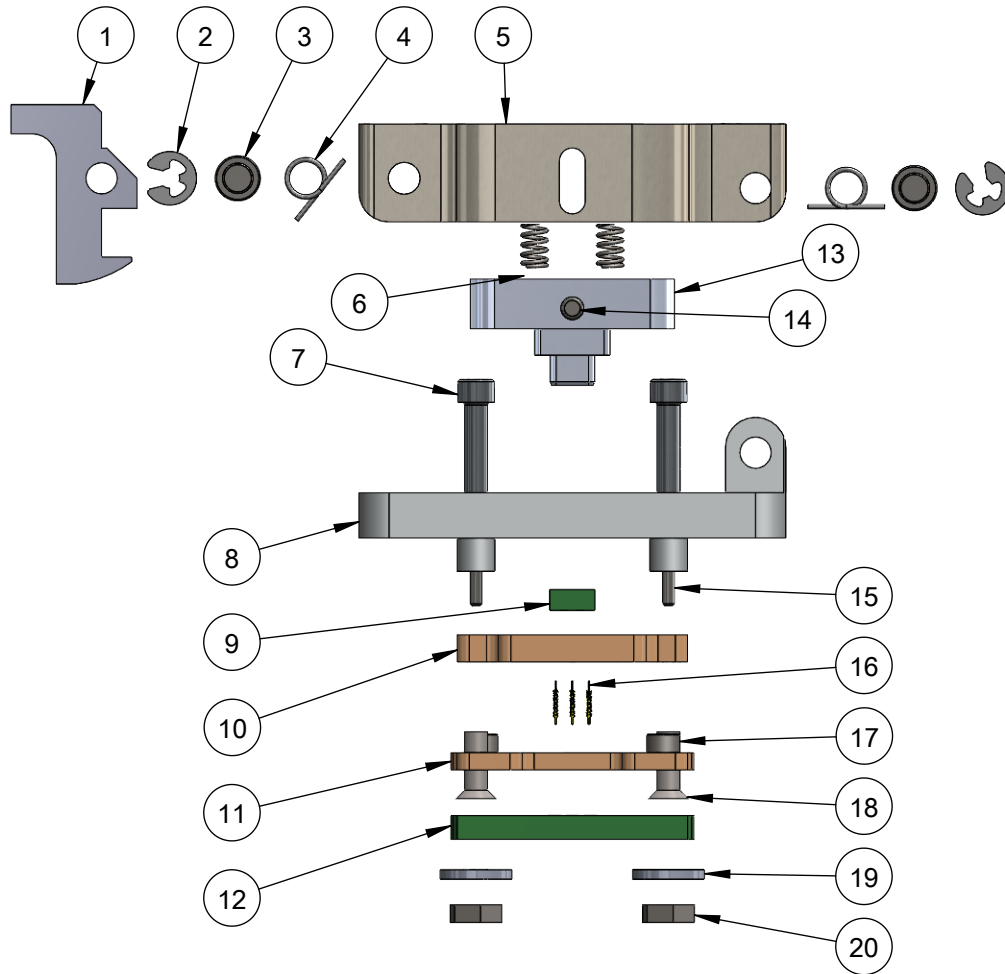
Ironwood Package Code : LGA6A1



Description: Compatible Device

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.

 <b>CBT-LGA-5017 Drawing</b>	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 15.16	STATUS: Released	SHEET: 3 OF 5	REV. A
			ENG: M. Raske	DRAWN BY: M. Raske	SCALE: 12:1
			FILE: CBT-LGA-5017 Dwg	DATE: 07/07/2020	




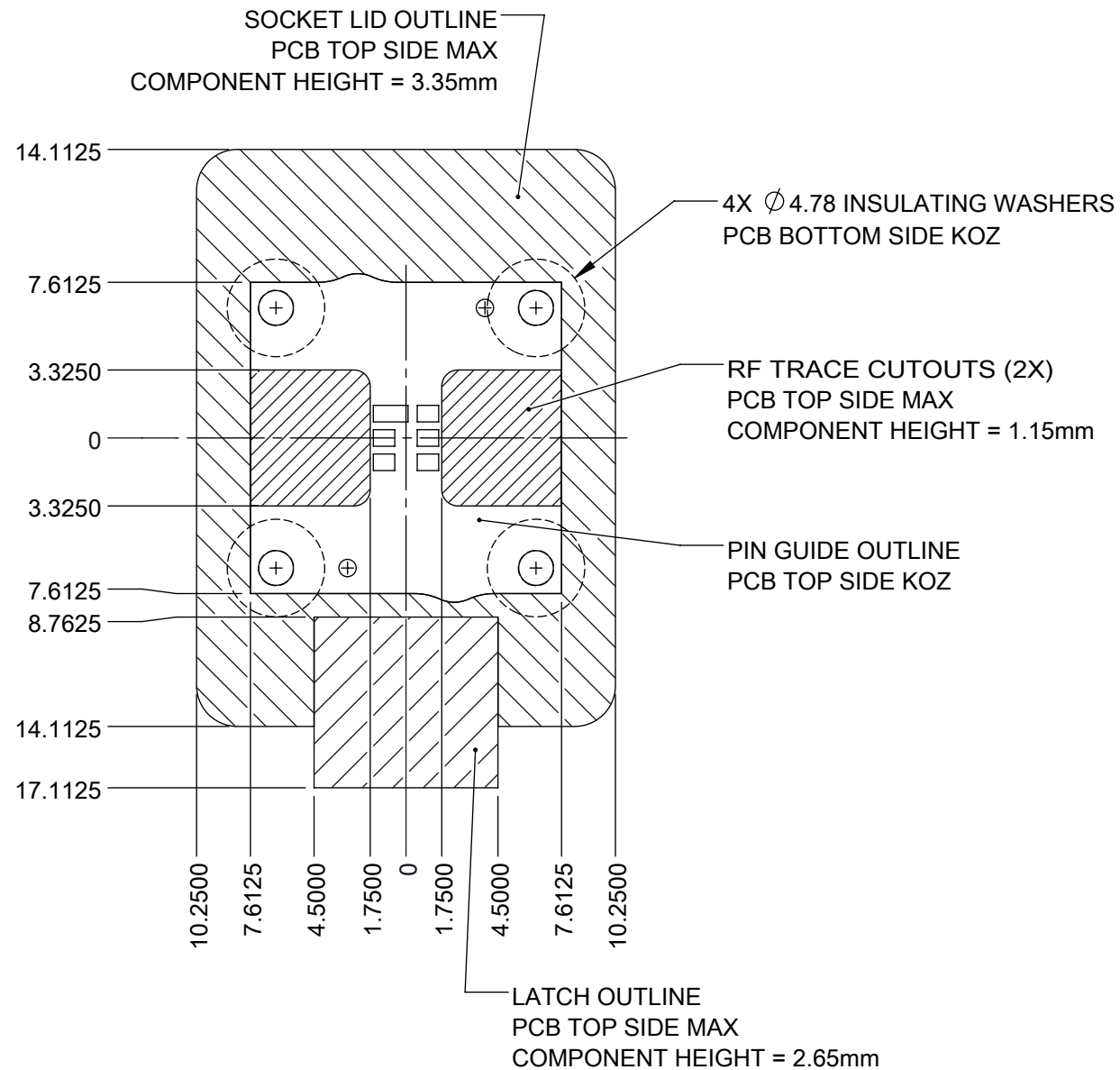
ITEM NO.	DESCRIPTION	Material
1	Latch	Alumium
2	Snap Ring	Steel
3	Hinge Pin	Steel
4	Torsion Spring	Steel
5	Socket Lid, Clamshell snap, 9mm IC	Aluminum
6	Compression Spring	Steel
7	Socket Mounting Screw	Steel
8	Socket Base	Aluminum
9	Test Chip, LGA6, 3x3mm, 1.1mm pitch	N / A
10	Floating Pin Guide	High Temp Plastic
11	Bottom Guide	High Temp Plastic
12	Test PCB	N / A
13	Compression Plate	Aluminum
14	Snap Lid Dowel Pin	Steel
15	Alignment Dowel Pin, 1/32\" Diameter	Steel
16	Stamped Pin, 0.4mm SBT-LGA/QFN	Au Plated over BeCu
17	Floating Guide Spring	Steel
18	Pin Guide Retaining Screw	High Temp Plastic
19	Insulating Washer	Nylon
20	Hex Nut	Steel

## Description: Socket Assy, Insulation Plate

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.


<b>CBT-LGA-5017 Drawing</b>		STATUS: Released	SHEET: 4 OF 5	REV. A
 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified>	ENG: M. Raske	DRAWN BY: M. Raske	SCALE: 2:1
	Finish:	FILE: CBT-LGA-5017 Dwg	DATE: 07/07/2020	
	Weight: 15.16			



### Description: CBT-LGA6, 3x3mm SAW filter, snap lid

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.

<b>CBT-LGA-5017 Drawing</b>  ©2018 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 15.16	STATUS: Released ENG: M. Raske FILE: CBT-LGA-5017 Dwg	SHEET: 5 OF 5 DRAWN BY: M. Raske DATE: 07/07/2020	REV. A SCALE: 3:1