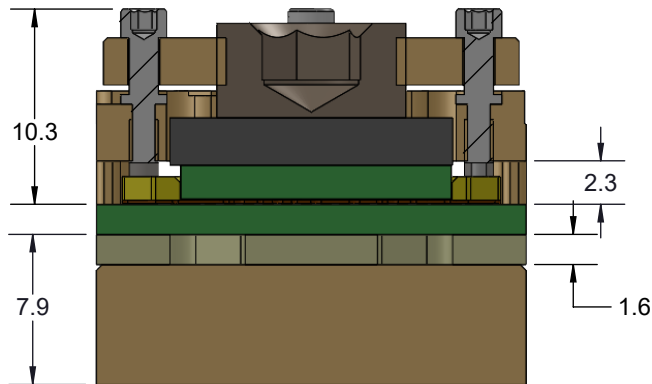
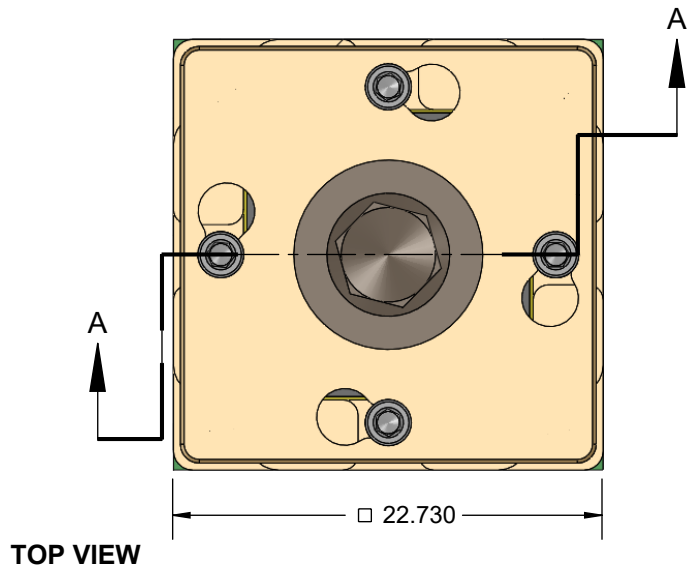


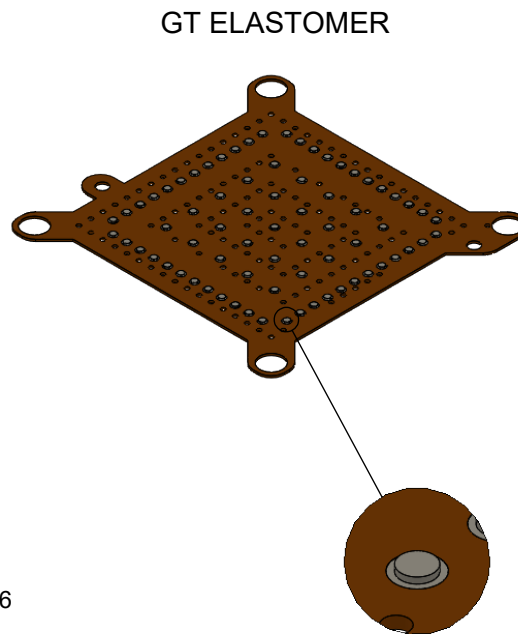
# GT BGA Socket - Direct mount, solderless

## Features

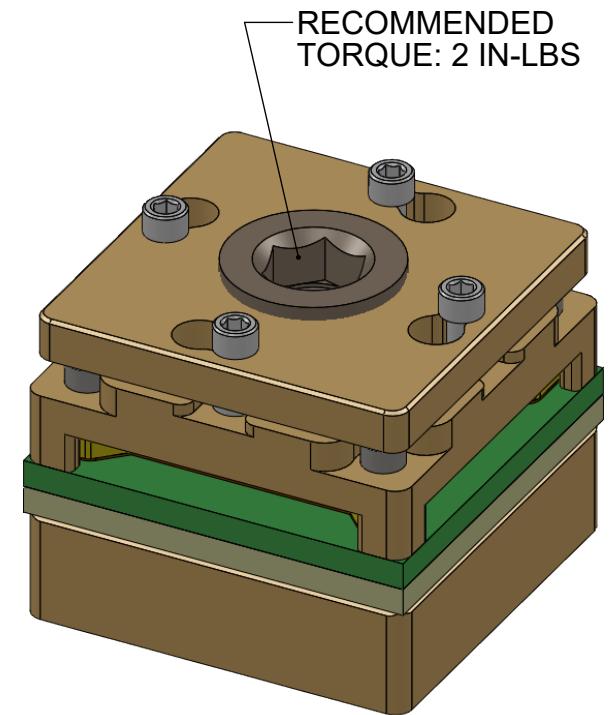
- Wide temperature range (-55C to +155C)
- High current capability (up to 4A)
- Excellent signal integrity at high frequencies
- Bandwidth >75GHz @-1dB
- Low and stable contact resistance for reliable production yield
- Compression plate distributes forces evenly
- Easily removable swivel socket lid



**SECTION A-A**




**DETAIL C**  
SCALE 15 : 1



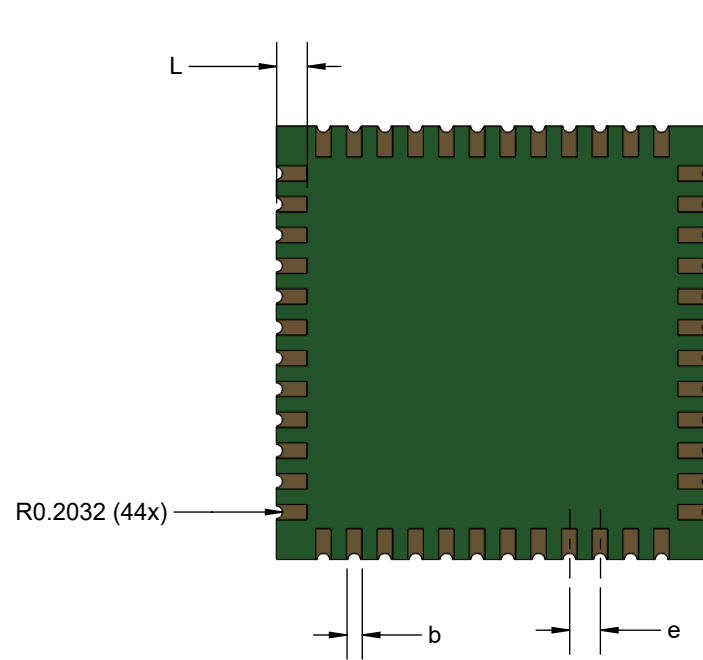
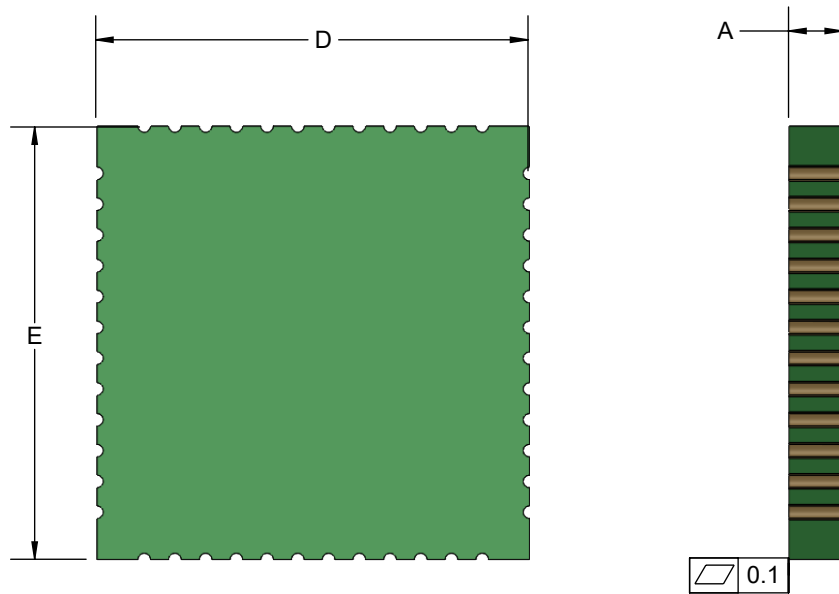
## Description: GT-LCC48 14.3mm square 1.02mm pitch

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

Tolerances: Hole diameters  $\pm 0.0254\text{mm}$  [ $\pm 0.001$ "]. Pitches (from true position)  $\pm 0.0762\text{mm}$  [ $\pm 0.003$ "], 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.

 <b>GT-QFN-3010 Drawing</b> Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 20.48	STATUS: Released ENG: V.Panavala FILE: GT-QFN-3010 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 10/26/2015	REV. A SCALE: 5:2





**Compatible Ironwood Package Code: LCC48A**

DIM	MIN	MAX
A	0.5	2
b	0.51	
D	14.3	
E	14.3	
e	1.02	
L	1.02	


Dimensions are in millimeters.

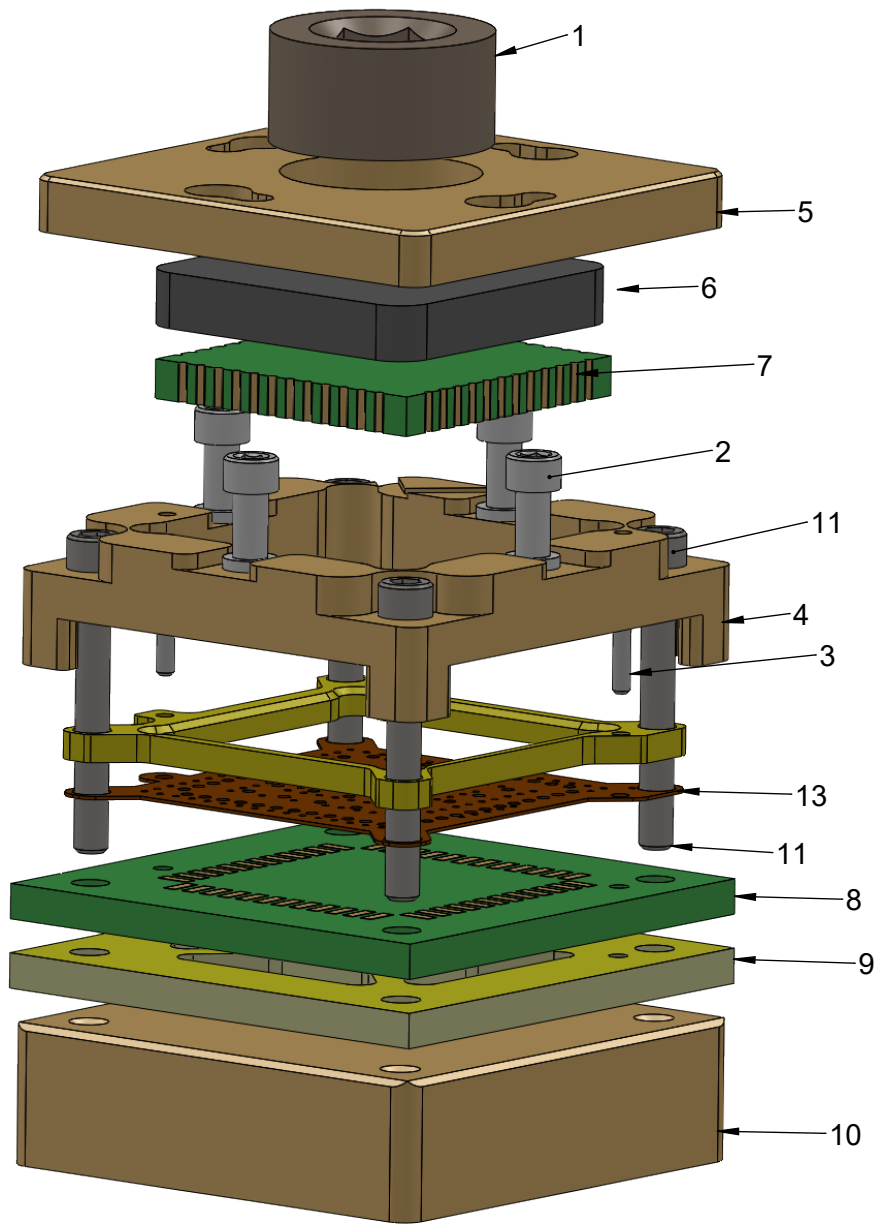
1. Interpret dimensions and tolerances per ASME Y14.5M-1994.

### Description: Compatible Device

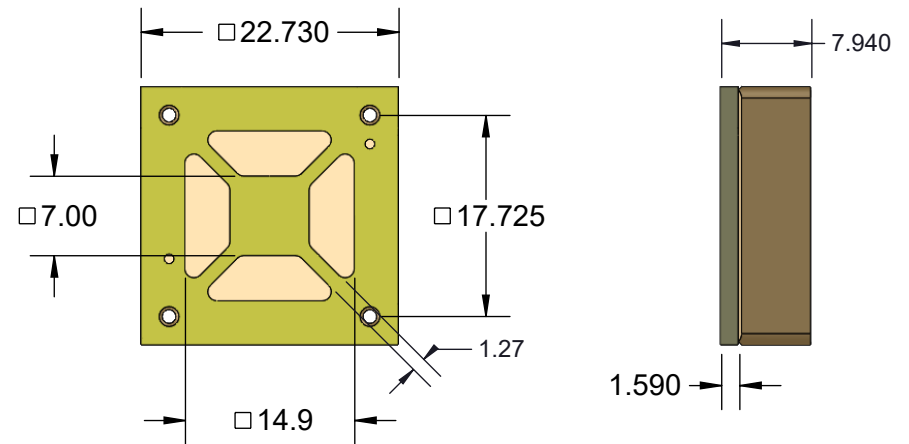
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

**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>GT-QFN-3010 Drawing</b> Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 20.48	STATUS: Released	SHEET: 3 OF 4	REV. A
		ENG: V.Panavala	DRAWN BY: M. Raske	SCALE: 4:1
		FILE: GT-QFN-3010 Dwg	DATE: 10/26/2015	



ITEM NO.	DESCRIPTION	Material
1	Compression Screw	7075-T6 Alumium Alloy
2	Shoulder Screw	Stainless Steel (303)
3	Dowel Pin	Chrome Stainless Steel
4	Socket Base 14.3mm Sqr	7075-T6 Alumium Alloy
5	Socket Lid	7075-T6 Alumium Alloy
6	Compression Plate 15mm	7075-T6 Aluminum Alloy
7	LCC48 14.3mm square 1.02mm pitch	FR4 High temp
8	PCB LCC48 14.3mm square 1.02mm pitch	FR4 High temp
9	Insulation Plate	FR4
10	Backing Plate	7075-T6 Alumium Alloy
11	#0-80 x 0.5, SH Cap Screw	Alloy Steel
12	IC Guide 14.3mm W GT	Torlon 4203
13	GT elastomer LCC48	N/A




### Description: Socket, Backing Plate Detail

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.

### INSULATION AND BACKING PLATE DETAIL

 <b>GT-QFN-3010 Drawing</b> Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 20.48	STATUS: Released ENG: V.Panavala FILE: GT-QFN-3010 Dwg	SHEET: 4 OF 4 DRAWN BY: M. Raske DATE: 10/26/2015	REV. A SCALE: 3:1