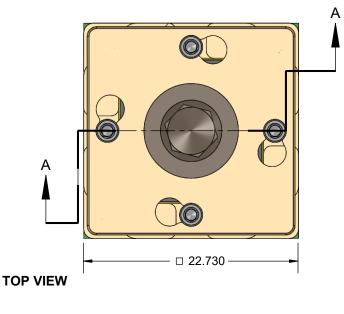
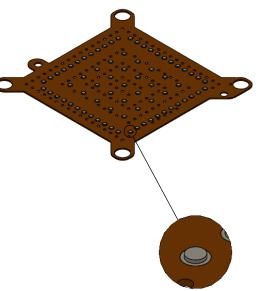
GT BGA Socket - Direct mount, solderless

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



GT ELASTOMER



RECOMMENDED **TORQUE: 2 IN-LBS**

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 ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

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	Ironwood El
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lectronics, Inc. 00) 404-0204 www.ironwoodélectronics.com

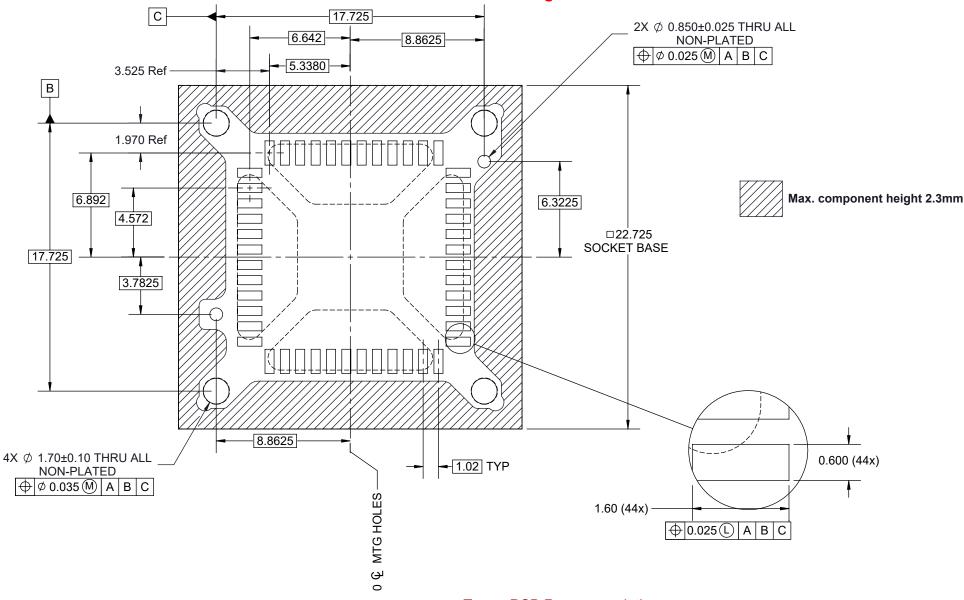
Drawing

Material: N/A Finish: N/A Weight: 20.48

STATUS: Released	SHEET: 1 OF 4	REV. A
ENG: V.Panavala	DRAWN BY: M. Raske	SCALE: 5:2
FILE: GT-QFN-3010 Dwg	DATE: 10/26/2015	

DATUM A IS TOP SIDE OF PCB

*NOTE: LCC pattern is not symmetrical with respect to the mounting holes. It is shifted 0.25mm to the right of center



Description: Recommended PCB Layout

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.

Target PCB Recommendations Total Thickness: 1.6mm min.

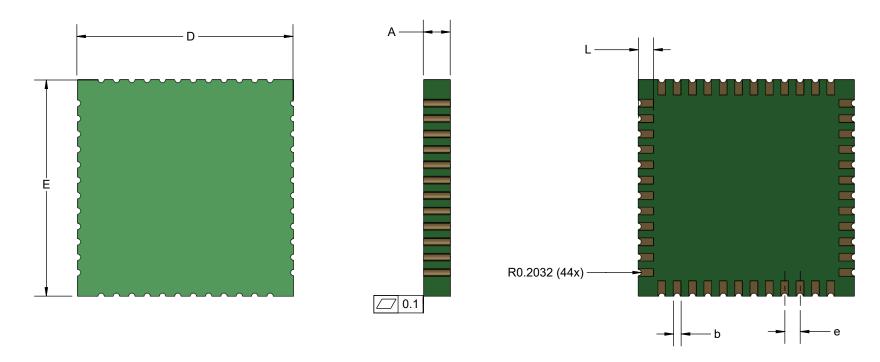
Plating: Gold Immersion, Silver Immersion or Solder PCB Pad Height: same or higher than solder mask

GT-QFN-3010 Drawing



Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 20.48

STATUS: Released	SHEET: 2 OF 4	REV. A
ENG: V.Panavala	DRAWN BY: M. Raske	SCALE: 4:1
FILE: GT-QFN-3010 Dwg	DATE: 10/26/2015	



Compatible Ironwood Package Code: LCC48A

DIM	MIN	MAX
Α	0.5	2
b	0.	51
D	14.3 14.3 1.02	
Е		
е		
L	1.	02

Dimensions are in millimeters.

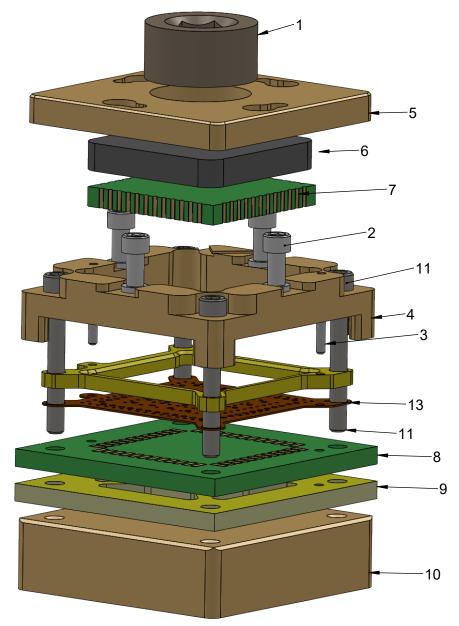
Interpret dimensions and tolerances per ASME Y14.5M-1994.

Description: Compatible Device

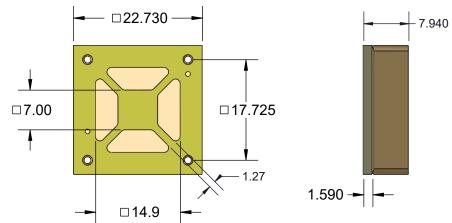
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters ±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.

GT-QFN-3010 Drawing	Ironwood Electronics, Inc. Tele: (800) 404-0204 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	



INSULATION AND BACKING PLATE DETAIL

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.

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

Description: Socket, Backing Plate Detail

GT-QFN-3010 Drawing

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

Material: N/A Finish: N/A Weight: 20.48

STATUS: Released	SHEET: 4 OF 4	REV. A
ENG: V.Panavala	DRAWN BY: M. Raske	SCALE: 3:1
FILE: GT-QFN-3010 Dwg	DATE: 10/26/2015	