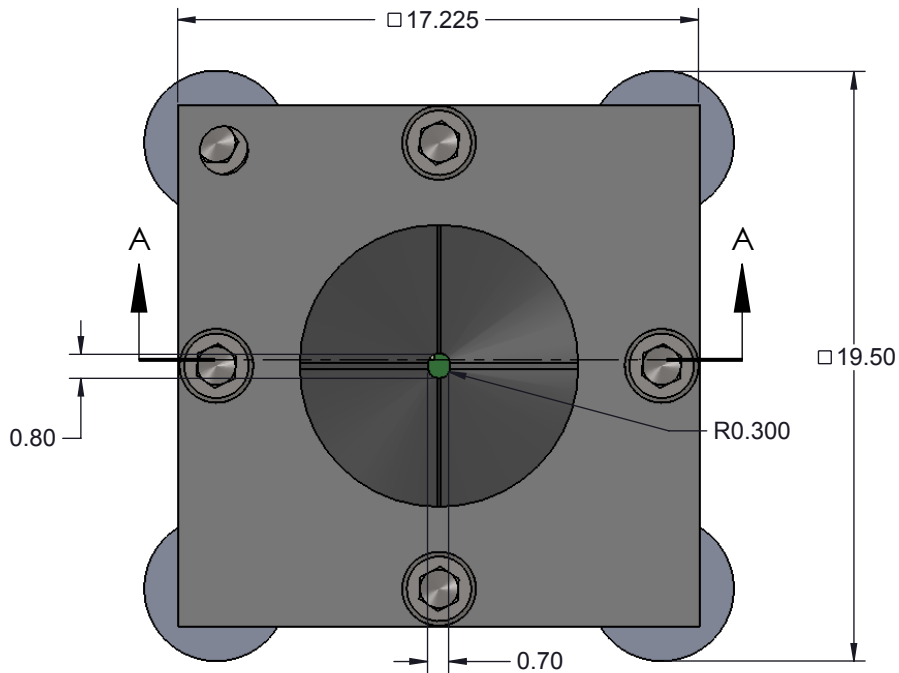


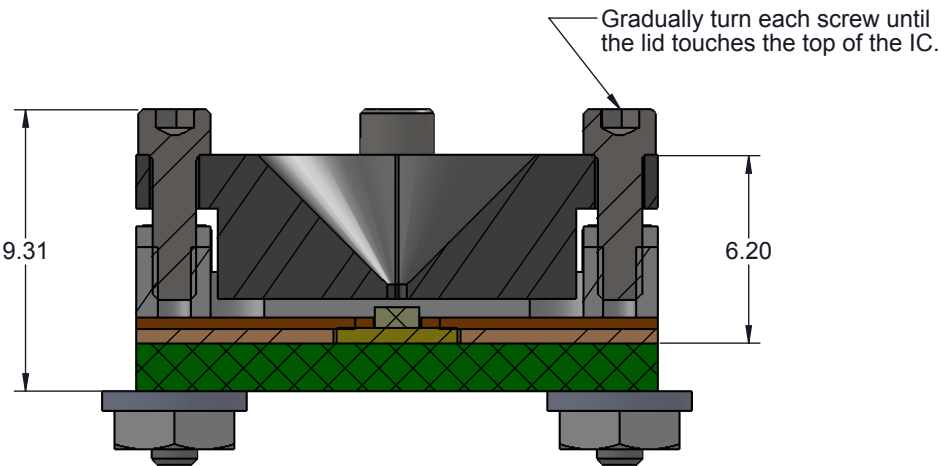
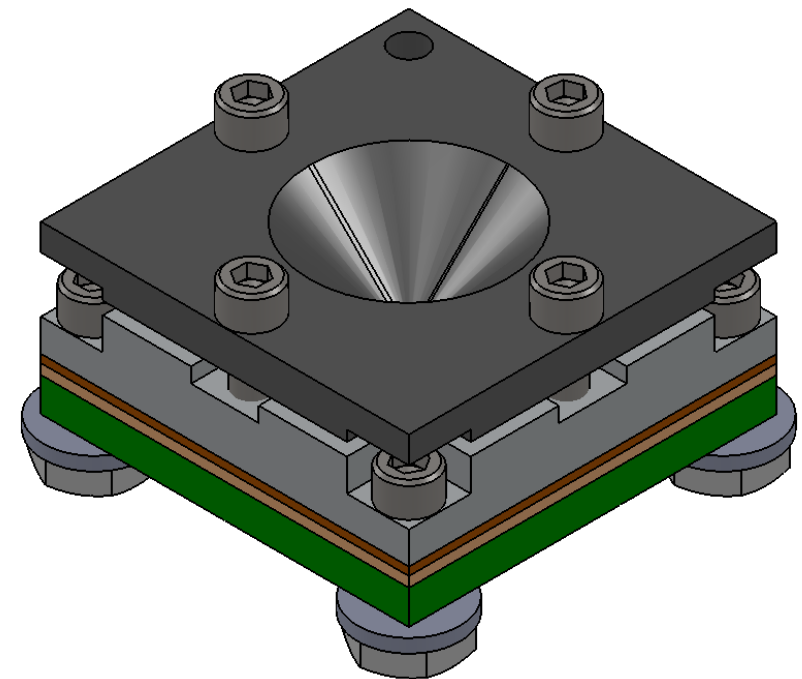
# GHz QFN SOCKET - direct mount, solderless



TOP VIEW

## Features

- Directly mounts to target PCB (needs tooling holes) with hardware
- High speed reliable elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Open top socket lid



SECTION A-A

## Description: Socket for 1.5x1.6mm 0.5mm pitch QFN6

Primary dimension units are millimeters, Secondary dimension units are [inches].

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.

### SG-MLF-7074 Drawing



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

Material: N/A  
Finish: N/A  
Weight: 5.64

STATUS: Released

DRAWN BY: E. Smolentseva

FILE: SG-MLF-7074 Dwg

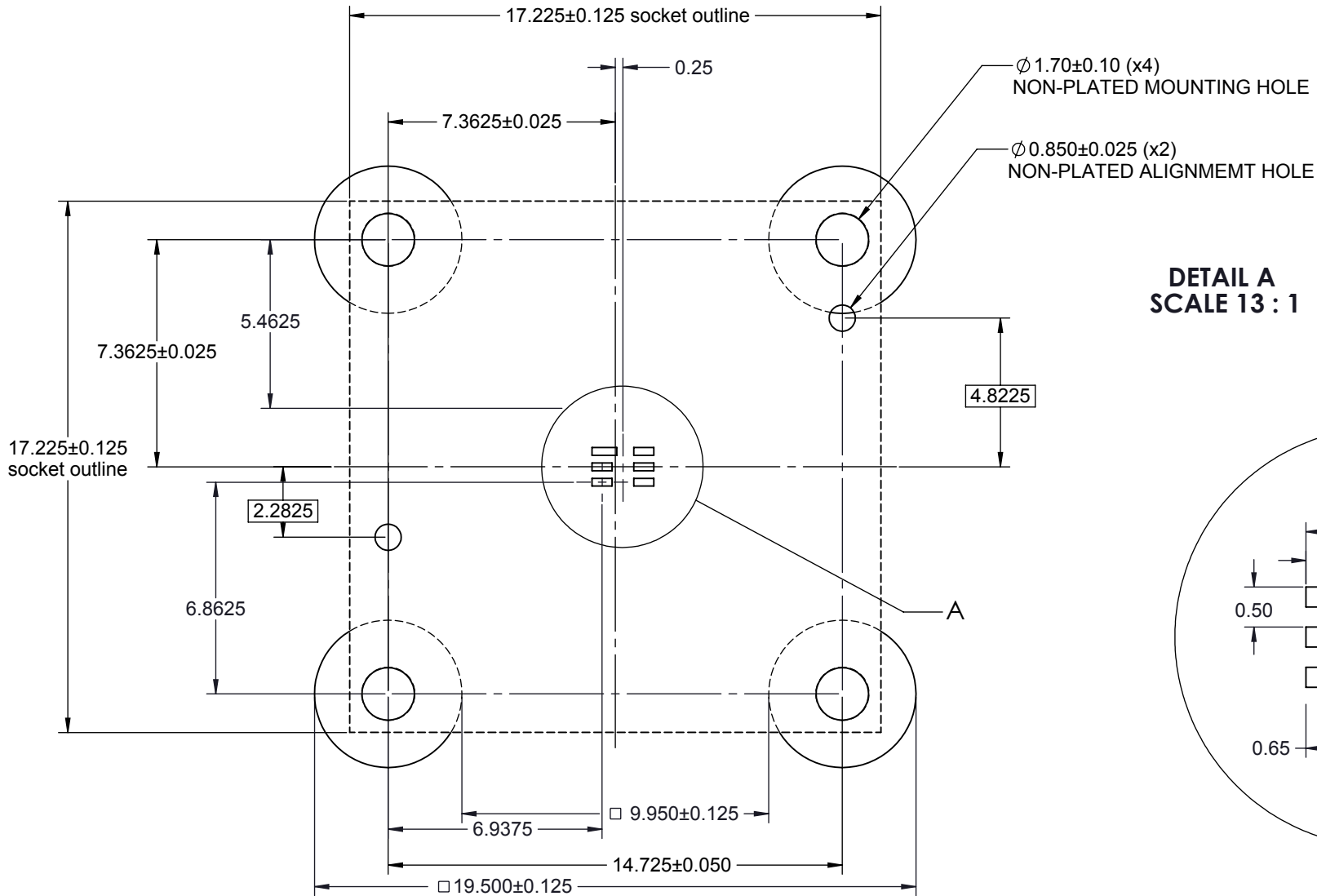
SHEET: 1 OF 4

SCALE: 4:1

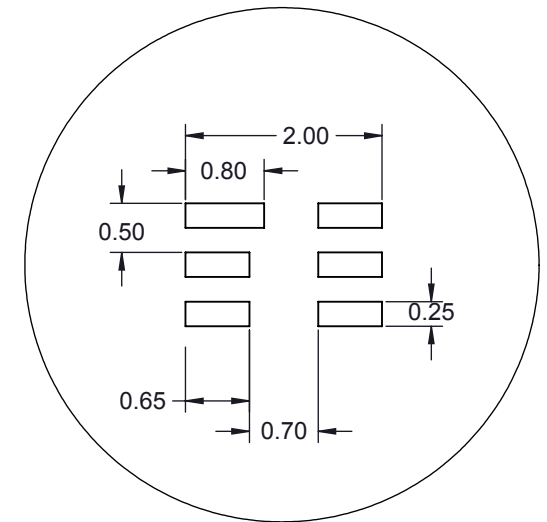
DATE: 10/15/2012

REV. A

**\*Note: QFN pattern is not symmetrical with respect to the mounting holes. It is offset 0.25mm to the right of center.**



**DETAIL A  
SCALE 13 : 1**




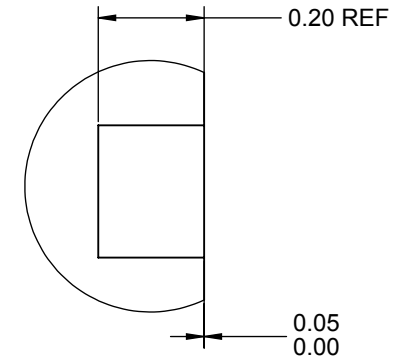
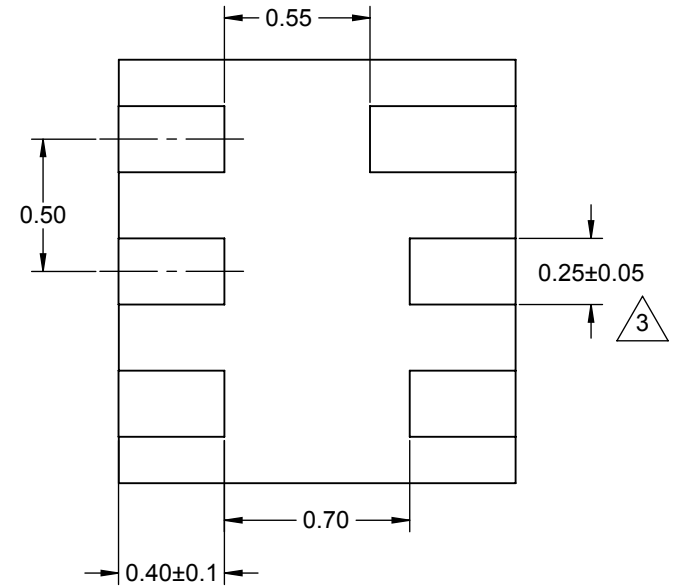
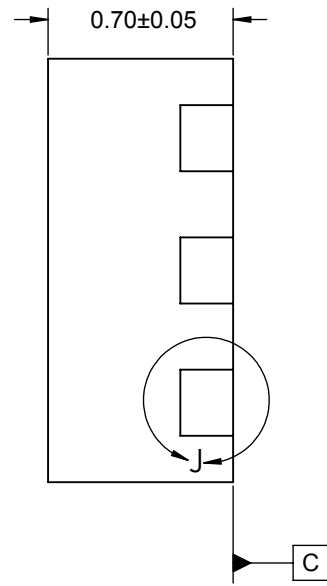
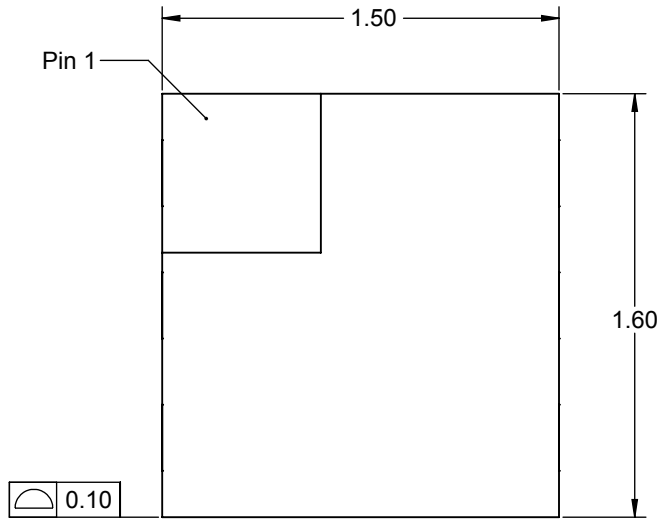
**Description: Socket for 1.5x1.6mm 0.5mm pitch QFN6**

Primary dimension units are millimeters, Secondary dimension units are [inches].

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: 1.5mm min.  
 Plating: Gold or Solder finish

 <p><b>SG-MLF-7074 Specification</b>                  Ironwood Electronics, Inc.                  Tele: (800) 404-0204                  www.ironwoodelectronics.com</p>	<p>Material: N/A                  Finish: N/A                  Weight: 5.64</p>	STATUS: Released	SHEET: 2 OF 4	REV. A
		DRAWN BY: E. Smolentseva	SCALE: 5:1	
		FILE: SG-MLF-7074 Dwg	DATE: 10/15/2012	




**DETAIL J  
SCALE 70 : 1**

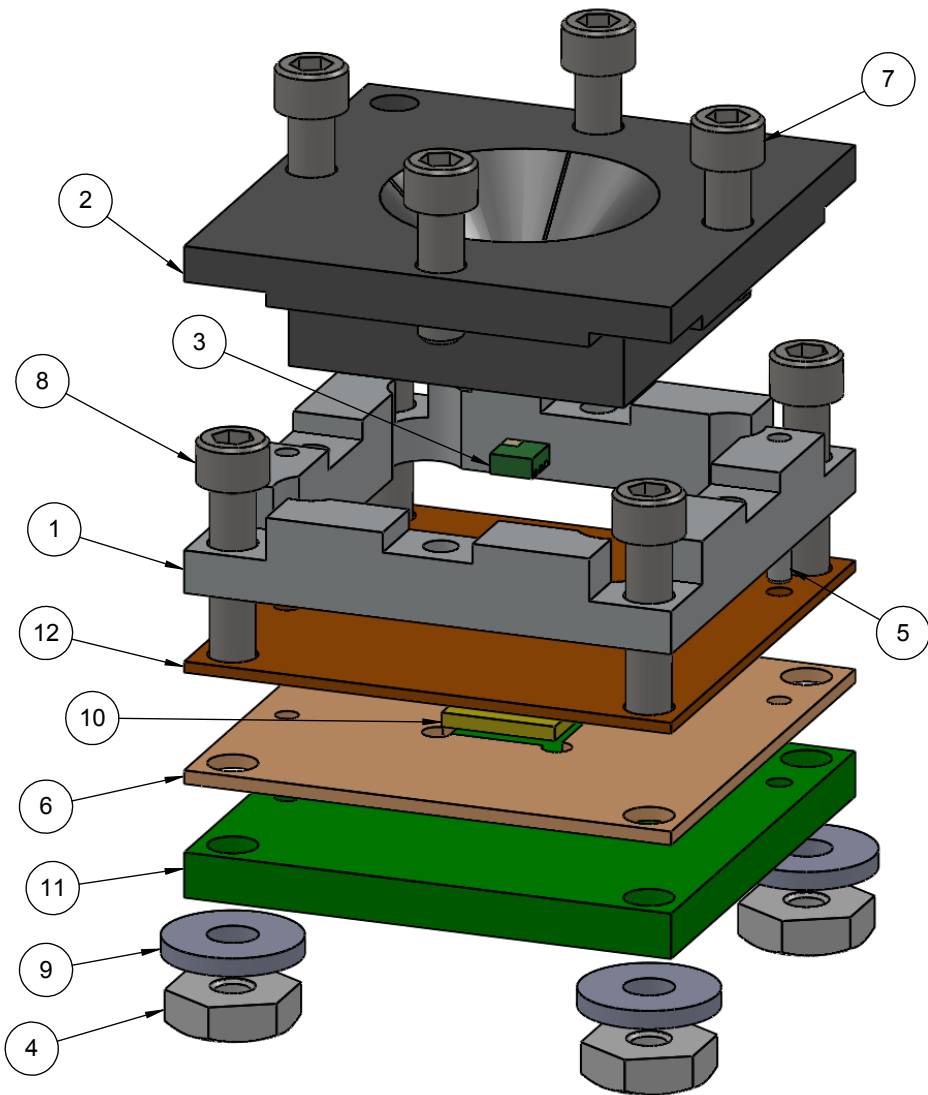
1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
3. Dimension b applies to the metalized terminal and is measured between 0.15mm and 0.30mm from the terminal tip.
4. Unless otherwise specified, tolerance : Decimal  $\pm 0.05$ .

**Description: Compatible QFN device**

Primary dimension units are millimeters, Secondary dimension units are [inches].

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>SG-MLF-7074 Specification</b> Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 5.64	STATUS: Released	SHEET: 3 OF 4	REV. A
		DRAWN BY: E. Smolentseva	SCALE: 35:1	
		FILE: SG-MLF-7074 Dwg	DATE: 10/15/2012	




ITEM NO.	DESCRIPTION	Material
1	Socket Base	7075-T6 Aluminum Alloy
2	Open top Socket Lid/Compression plate 1.5x1.3mm IC	7075-T6 Aluminum Alloy
3	ODFN6, 1.5x1.6mm, 0.5mm pitch	FR4 Standard
4	Nut, #0-80, SS	Stainless Steel (18-8)
5	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel
6	Elastomer Guide	Ultem 1000
7	#0-80 X .188 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
8	#0-80 X .25 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
9	Washer, #0 x .025", Nylon	Nylon 6/6
10	0.5mm thick, 0.05x 0.05mm pitch, 50mm sqr, Z-axis conductive angled elastomer	20 Micron dia gold plated brass filaments arranged symetrically in a silicon rubber (63.5 degree angle), Thickness: 0.5mm
11	ODFN package	FR4 High temp
12	Target PCB	Kapton Polyimide

Rev	Date	Initials	Description
A	8/8/12	ELS	Original

### Description: Exploded View

Primary dimension units are millimeters, Secondary dimension units are [inches].

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>SG-MLF-7074 Specification</b> Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 5.64	STATUS: Released	SHEET: 4 OF 4	REV. A
		DRAWN BY: E. Smolentseva	SCALE: 4:1	
		FILE: SG-MLF-7074 Dwg	DATE: 10/15/2012	