# GHz QFE Socket - Direct mount, solderless

**Features** 



Primary dimension units are minimeters, Secondary dimensio	on units are [inches], weight is in grams.
<u>Folerances:</u> Hole diameters ±0.03mm [±0.001"], Pitches (fror other tolerances ±0.13mm [±0.005"] unless stated otherwise.	n true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all Materials and specifications are subject to change without notice.

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S	G-QFE-7016 Drawing
Ì	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com

Material: N/A Finish: N/A Weight: 94.95

STATUS: Released	SHEET: 1 OF 5	REV. A
ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 1.5:1
FILE: SG-QFE-7016 Dwg	DATE: 12-17-2013	



#### 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.

	SG-QFE-7016 Drawing	Material: N/A Finish: N/A Weight: 94.95	STATUS: Released	SHEET: 2 OF 5	REV. A
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 3.25:1
0			FILE: SG-QFE-7016 Dwg	DATE: 12-17-2013	





ITEM NO.	Material	DESCRIPTION	
1	7075-T6 Aluminum Alloy	Socket Lid 33mm GHz swivel	
2	7075-T6 Aluminum Alloy	GHz Socket Base 33x33mm IC 6.5m thick	
3	7075-T6 Aluminum Alloy	Backing Plate	
4	Kapton Polyimide/Cirlex	QFE 208 Lead Guide	
5	Kapton Polyimide/Cirlex	Elastomer Guide QFE 208	
6	FR4 High temp	Customer's target PCB	
7	High Temp FR4	Insulating Plate 33mm IC	
8	Chrome Stainless Steel	Dowel Pin, 1/32" x 3/16", SS	
9	20 Micron dia gold plated brass filaments arranged symettrically in a silicon rubber (63.5 degree angle), Thickness: 0.5mm	0.5mm thick, 0.05x 0.05mm pitch, 50mm sqr, Z-axis conductive angled elastomer	
10	Alloy Steel	#0-80 x 0.5, SH Cap Screw	
11	Stainless Steel (303)	#0-80 Shoulder Screw, 0.090" thread length	
12	Ultem 1000	QFE 208 IC Guide	
13	Ultem 1000	Compression Plate for QFP208 IC	
14	7075-T6 Aluminum Alloy	Compression Screw, M30	
15	FR4 High temp	CFE QFE208 28x28mm body 30.6x30.6 tip- to-tip 0.5mm pitch	
16	7075-T6 Aluminum Alloy	M18 heatsink compression screw	
17	Material <not specified&gt;</not 	Fan: 30x30x10mm 5V 5.5 CFM 0.6 watts	
18	Stainless Steel (18-8)	Fillister hd, 2-56, 1/2" lg, 18-8 SS	
19	7075-T6 Aluminum Alloy	Compression Screw block	

## **Description: Socket assembly**

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.

SG-QFE-7016 Drawing		
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	

Material: N/A
Finish: N/A Weight: 94.95

STATUS: Released	SHEET: 4 OF 5	REV. A
ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 1:1
FILE: SG-QFE-7016 Dwg	DATE: 12-17-2013	





## FRONT VIEW

## **Description: Backing and Insulating Plates**

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances</u>; Hole diameters  $\pm 0.03$ mm [ $\pm 0.001$ "], Pitches (from true position)  $\pm 0.025$ mm [ $\pm 0.001$ "], substrate thickness tolerance  $\pm 10\%$ , all other tolerances  $\pm 0.13$ mm [ $\pm 0.005$ "] unless stated otherwise. Materials and specifications are subject to change without notice.

	SG-QFE-7016 Drawing	Material: N/A Finish: N/A Weight: 94.95	STATUS: Released	SHEET: 5 OF 5	REV. A
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 2:1
0			FILE: SG-QFE-7016 Dwg	DATE: 12-17-2013	