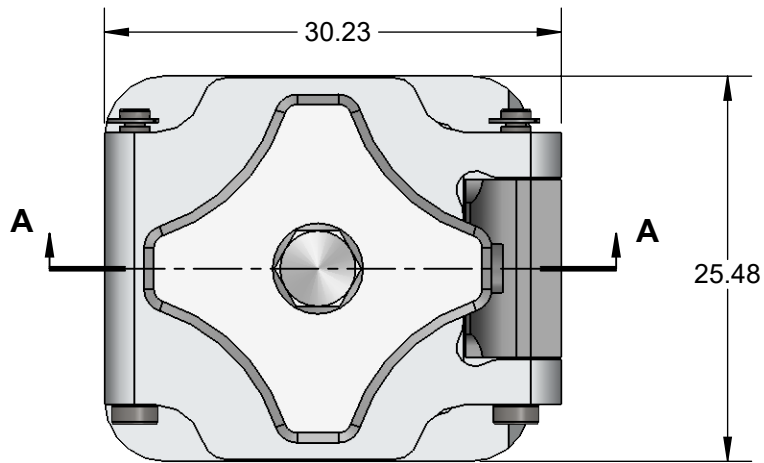


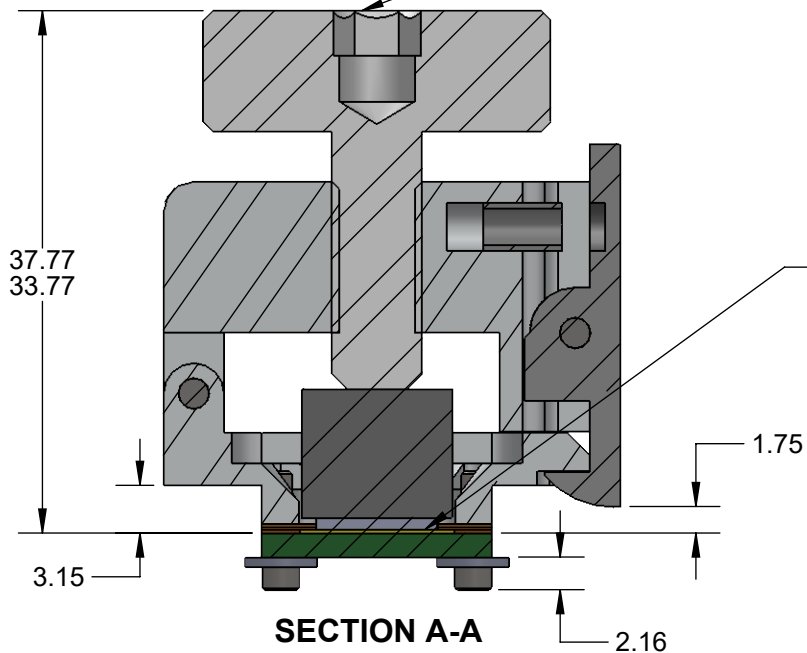
GHz QFN Socket - Direct mount, solderless

Features

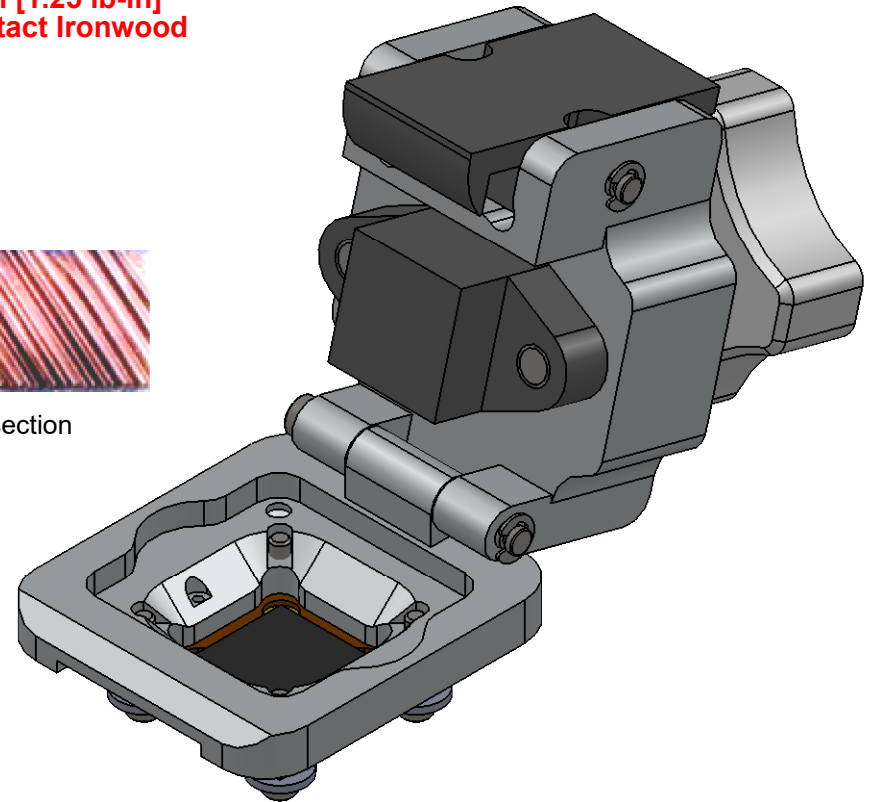
- Directly mounts to target PCB (needs tooling holes) with hardware
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Ball guide prevents over compression of elastomer
- Easily removable swivel socket lid



REQUIRED TORQUE: 12 N-cm [1.25 lb-in]
RECOMMENDED TOOL: Contact Ironwood




Elastomer cross-section

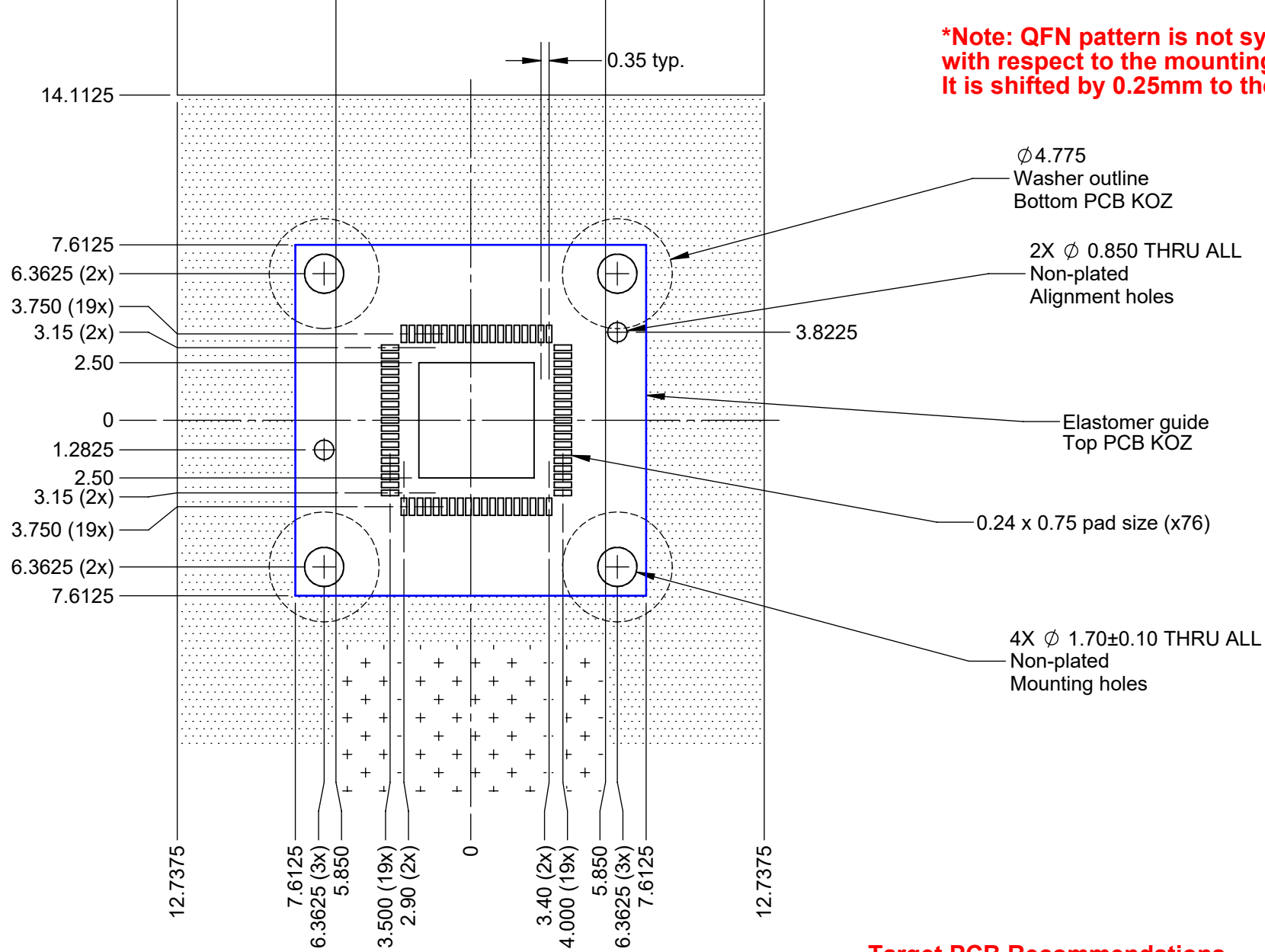


Description: CG-QFN 8mm 0.35mm pitch

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

Tolerances: Hole diameters $\pm 0.03\text{mm}$ [$\pm 0.001\text{"}]$, Pitches (from true position) $\pm 0.025\text{mm}$ [$\pm 0.001\text{"}]$, substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [$\pm 0.005\text{"}]$ unless stated otherwise. Materials and specifications are subject to change without notice.

 <p>©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>CG25-QFN-2000 Drawing</p>	<p>Material: N/A Finish: N/A Weight: 37.94</p>	<p>STATUS: Released</p>	<p>SHEET: 1 OF 4</p>	<p>REV. A</p>
	<p>ENG: B. Schatz</p>	<p>DRAWN BY: M. Raske</p>	<p>SCALE: 2:1</p>	<p>FILE: CG25-QFN-2000 Dwg</p>	<p>DATE: 03/08/2016</p>




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

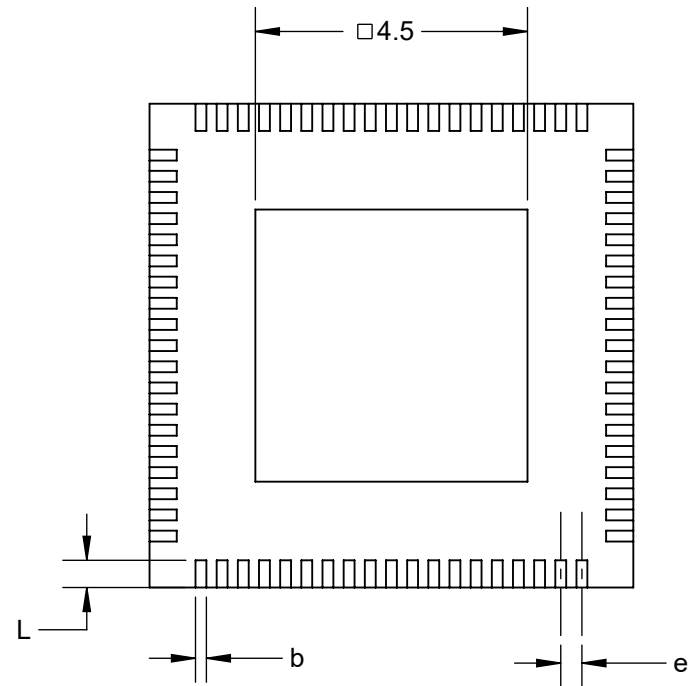
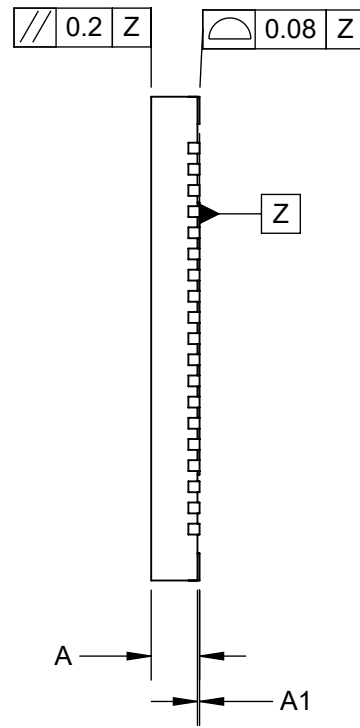
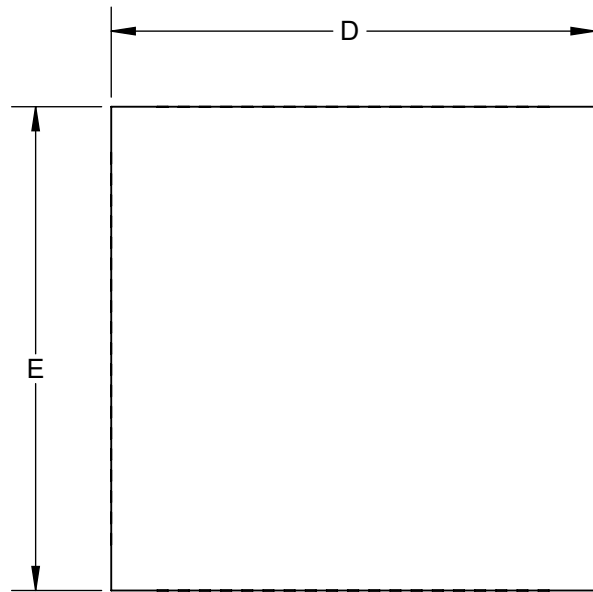
- Ø4.775 Washer outline Bottom PCB KOZ
- 2X Ø 0.850 THRU ALL Non-plated Alignment holes
- Elastomer guide Top PCB KOZ
- 0.24 x 0.75 pad size (x76)
- 4X Ø 1.70±0.10 THRU ALL Non-plated Mounting holes

Target PCB Recommendations
Total thickness: 1.6mm min.
Plating: Gold or Solder finish
PCB Pad height: Same or higher than solder mask

Description: Recommended PCB Layout

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.

 ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	CG25-QFN-2000 Drawing	Material: N/A Finish: N/A Weight: 37.94	STATUS: Released	SHEET: 2 OF 4	REV. A
	ENG: B. Schatz	FILE: CG25-QFN-2000 Dwg	DRAWN BY: M. Raske	DATE: 03/08/2016	SCALE: 4:1




1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.

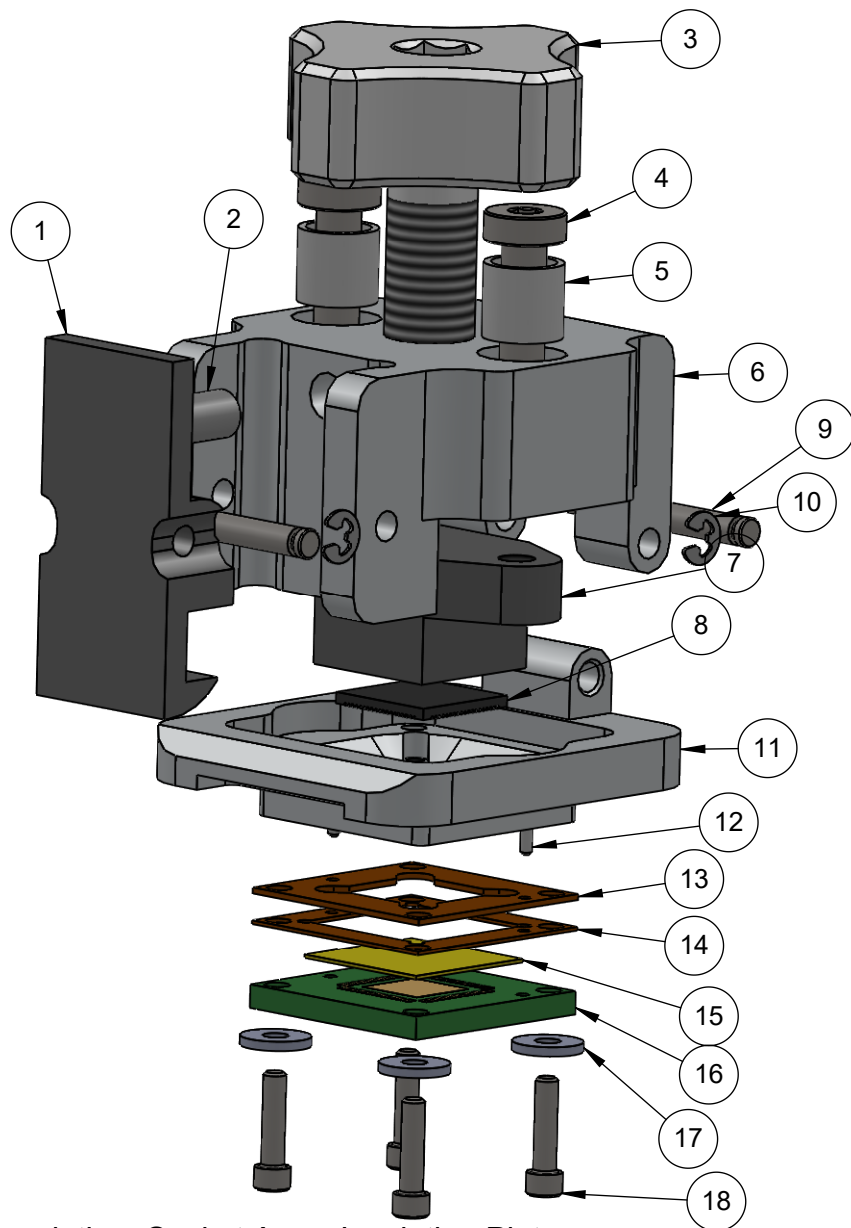
DIM	Minimum	Maximum
A	0.60	3.00
A1	0.0	-
b	0.13	0.23
L	0.35	0.45
D	7.98	8.02
E	7.98	8.02
e	0.35 BSC	
PIN COUNT		76

Description: Compatible QFN

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

Tolerances: Hole diameters $\pm 0.03\text{mm}$ [± 0.001 "], Pitches (from true position) $\pm 0.025\text{mm}$ [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without notice.

 ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	CG25-QFN-2000 Drawing	Material: N/A Finish: N/A Weight: 37.94	STATUS: Released	SHEET: 3 OF 4	REV. A
			ENG: B. Schatz	DRAWN BY: M. Raske	SCALE: 8:1
			FILE: CG25-QFN-2000 Dwg	DATE: 03/08/2016	



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.

ITEM NO.	DESCRIPTION	Material
1	Latch	Aluminum
2	Latch spring	Steel
3	Compression screw	Aluminum
4	Lid screw	Steel
5	Lid spring	Steel
6	Lid	Aluminum
7	Compression plate	Aluminum
8	Compatible IC	N/A
9	Hinge pin	Steel
10	Snap ring	Steel
11	Socket base	Aluminum
12	Alignment pin	Steel
13	MIN IC guide	Plastic
14	Elastomer Guide for 10mm IC 0.25mm	Plastic
15	0.25mm thick, 0.05x0.05mm pitch, 10mm sq, Z-axis conductive angled elastomer	20 Micron dia gold plated brass f in silicon, Thickness: 0.25mm
16	Target PCB	N/A
17	Washer	Plastic
18	Mounting screw	Steel

CG25-QFN-2000 Drawing



©2015 Ironwood Electronics, Inc.
Tele: (800) 404-0204
www.ironwoodelectronics.com

Material: N/A
Finish: N/A
Weight: 37.94

STATUS: Released

ENG: B. Schatz

FILE: CG25-QFN-2000 Dwg

SHEET: 4 OF 4

DRAWN BY: M. Raske

DATE: 03/08/2016

REV. A

SCALE: 2:1