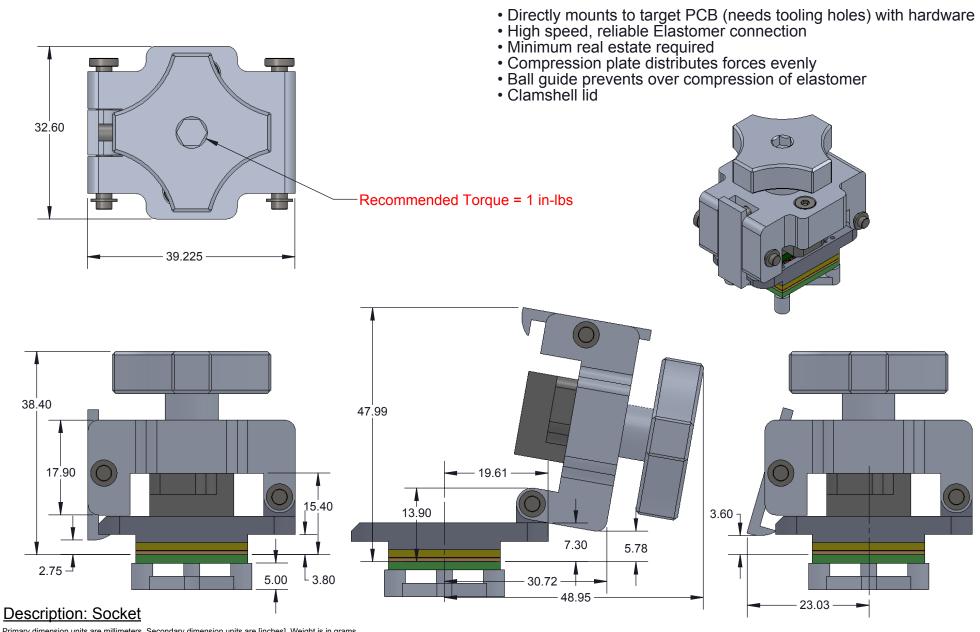
Clamshell GHz Socket - Direct mount, solderless

Features



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

32.60

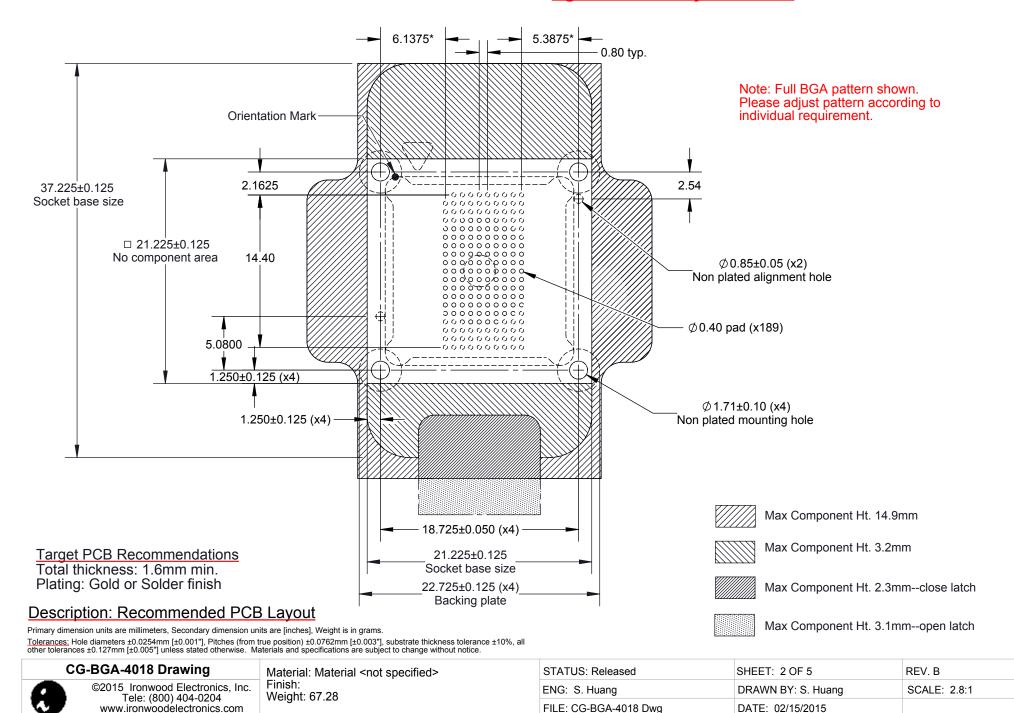
38.40

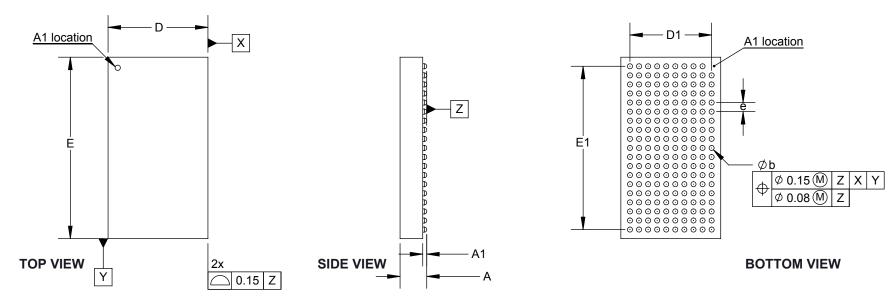
2.75

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.

CG-BGA-4018 Drawing		Material: Material <not specified=""></not>	STATUS: Released	SHEET: 1 OF 5	REV. B
	©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: Weight: 67.28	ENG: S. Huang	DRAWN BY: S. Huang	SCALE: 1.4:1
9		troight of 20	FILE: CG-BGA-4018 Dwg	DATE: 02/15/2015	

*Note: BGA pattern is not symmetrical with respect to the mounting holes. The pattern is shifted to the right of center by 0.375mm.





DIM	MIN	MAX	
А		2.75	
A1	0.3	0.36	
b	0.4	5	
D	8.8	30	
D1	7.2	20	
E	16.0	00	
E1	14.40		
е	0.80		

Array: 10x19

- Dimensions are in millimeters. 1.
- 2. 3.
- Interpret dimensions and tolerances per ASME Y14.5-1994. Dimension b is measured at the maximum solder bll diameter, parallel to datum plane Z.
- 4.
- Datum Z (seating plane) is defined by the spherical crowns of the solder balls. Parallelisml measurement shall exclude any effect of mark on top surface of package. 5.

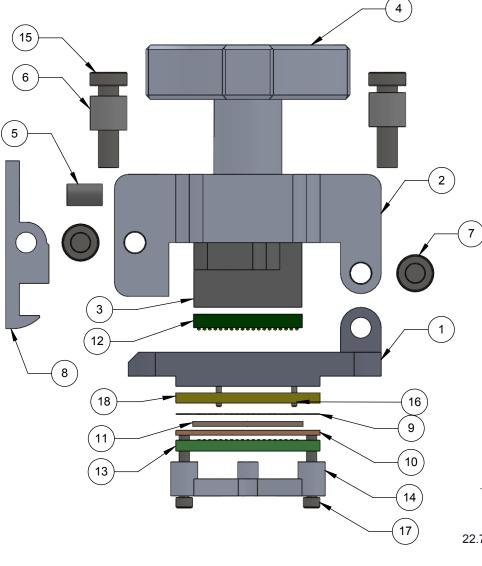
Description: Compatible BGA

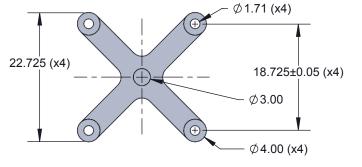
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

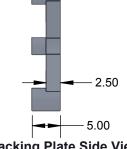
Tolerances: Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

CG-BGA-4018 Drawing		material material not opeomoa	STATUS: Released SHEET: 3 OF 5	SHEET: 3 OF 5	REV. B
•	©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: Weight: 67.28	ENG: S. Huang	DRAWN BY: S. Huang	SCALE: 3:1
			FILE: CG-BGA-4018 Dwg	DATE: 02/15/2015	

ITEM NO.	Description	Material
1	CG Socket Base 16.325mm Pocket 18.725mm Holes	7075-T6 Aluminum Alloy
2	Clam shell lid for 17mm IC	7075-T6 Aluminum Alloy
3	Compression Plate	7075-T6 Alumium Alloy
4	M10 Comression Screw	7075-T6 Aluminum Alloy
5	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
6	Spring Clamshell lid assembly	Steel Music Wire
7	Hinge Pin and Snap Ring, 3mm OD, 25mm long, SS	Stainless Steel (ferritic)
8	Clamshell Latch	7075-T6 Aluminum Alloy
9	Ball Guide for 8.8X16mm 10X19 array 0.8mm pitch	Kapton Polyimide/Cirlex
10	Elastomer Guide 16mm IC	Ultem 1000
11	0.75mm thick 0.1mm pitch 63 deg angled elastomer	Silicon Rubber
12	BGA189 IC 0.8mm pitch 10x19 array	FR4
13	PCB BGA189 0.8mm pitch 10x19 array	Material <not specified=""></not>
14	16x16mm Clamshell Backing Plate	7075-T6 Aluminum Alloy
15	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
16	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel
17	#0-80 X .375 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
18	IC Guide 8.8x16mm IC	Torlon 4203







Description: Skt and Backing plate Detail

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances</u>: 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.

CG-BGA-4018 Drawing

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Material: Material <not specified> nics, Inc. 04 Weight: 67.28

Backing Plate Top View

Backing	Plate	Side	View
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STATUS: Released	SHEET: 4 OF 5	REV. B
ENG: S. Huang	DRAWN BY: S. Huang	SCALE: 1.8:1
FILE: CG-BGA-4018 Dwg	DATE: 02/15/2015	

Rev	Date	Initials	Description
Α	02/27/13	MR	Original
В	02/04/15	DH	Changed IC Guide material from Ultem to torlon

Description: Revisions

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

<u>Tolerances</u>: 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.

CG-BGA-4018 Drawir	in a contain	S	STATUS: Released	SHEET: 5 OF 5	REV. B
©2015 Ironwood Elect Tele: (800) 404-		E	ENG: S. Huang	DRAWN BY: S. Huang	SCALE: 1.8:1
www.ironwoodelectro		F	FILE: CG-BGA-4018 Dwg	DATE: 02/15/2015	