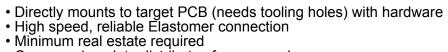
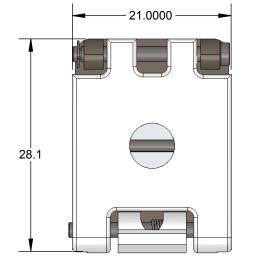
GHz BGA Socket - Direct mount, solderless

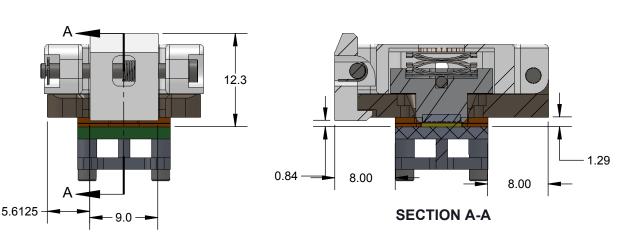


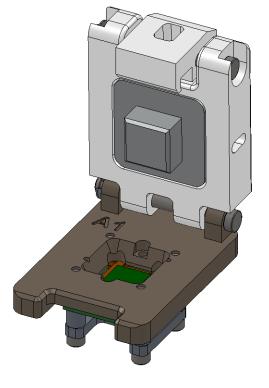


- Compression plate distributes forces evenly
 Ball guide prevents over compression of elastomer
 Easily operable snap socket spring lid



TOP VIEW





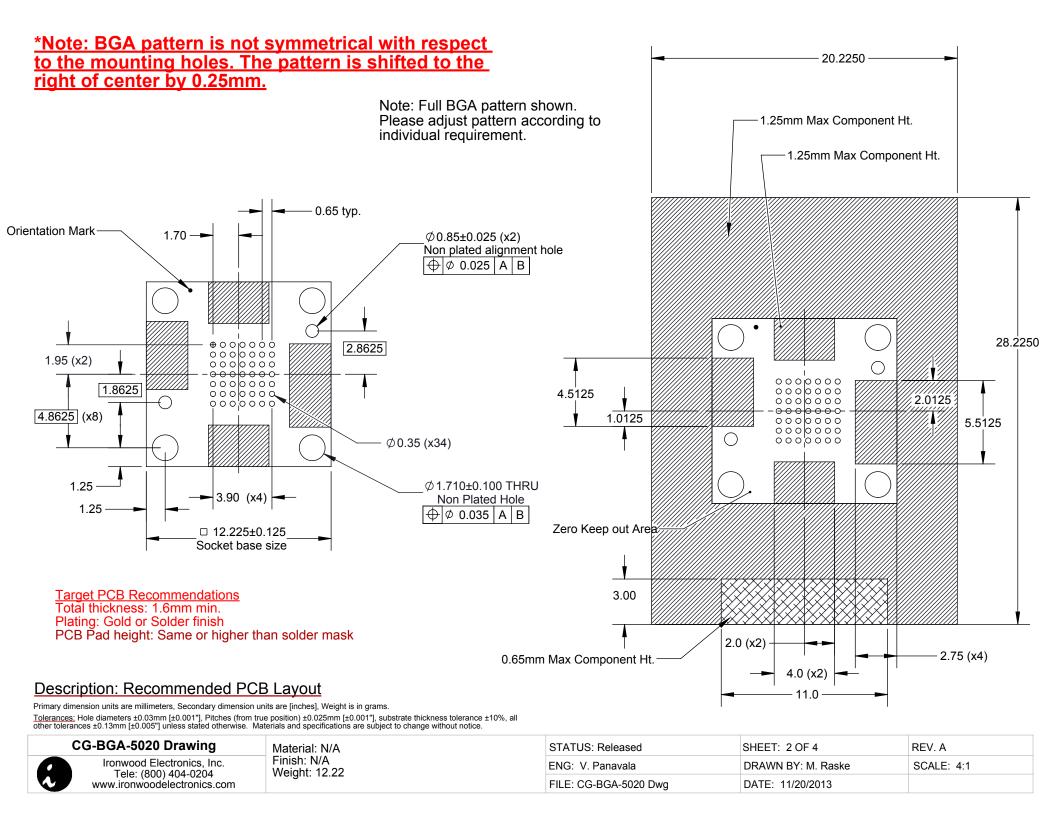
FRONT VIEW

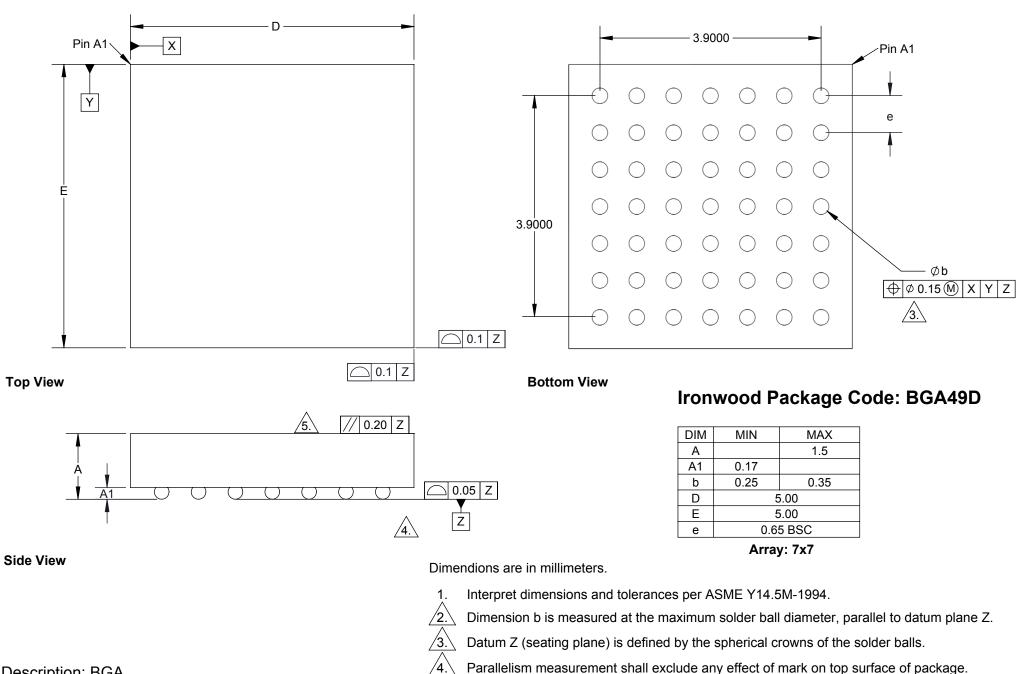
Description: SG-BGA skt 5x5mm 0.65mm pitch 7x7 array

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.

CG-BGA-5020 Drawing	Material: N/A	STATUS: Released	SHEET: 1 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Weight: 12.22	ENG: V. Panavala	DRAWN BY: M. Raske	SCALE: 2:1
		FILE: CG-BGA-5020 Dwg	DATE: 11/20/2013	



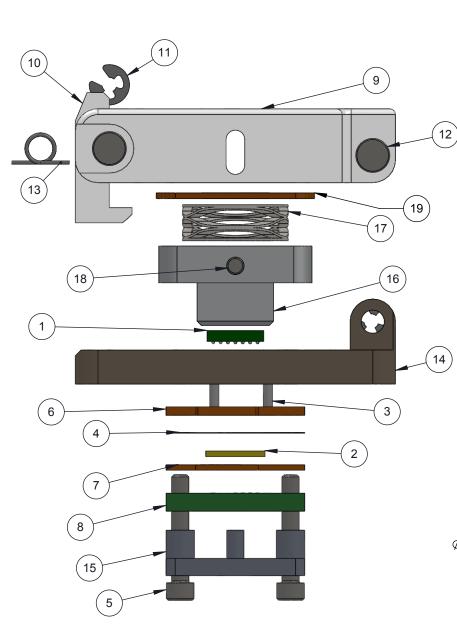


Description: BGA

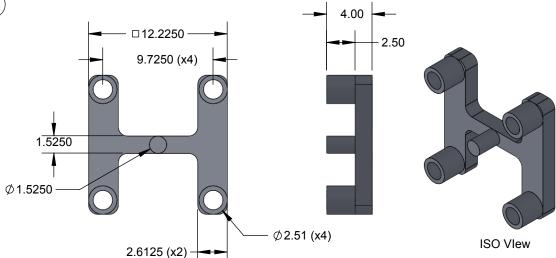
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

C	G-BGA-5020 Drawing		STATUS: Released	SHEET: 3 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: N/A Weight: 12.22	ENG: V. Panavala	DRAWN BY: M. Raske	SCALE: 15:1	
			FILE: CG-BGA-5020 Dwg	DATE: 11/20/2013	



ITEM NO.	DESCRIPTION	Material	
1	Test Chip 5x5mm 0.65mm pitch 7x7 array	Material <not specified=""></not>	
2	0.5mm thick, 0.05x 0.05mm pitch, 50mm sqr, Z-axis conductive angled elastomer	20 Micron dia gold plated brass filaments arranged symettrically in a silicon rubber (63.5 degree angle), Thickness: 0.5mm	
3	Alignment Pin 1/32" dia. x 1/8" Ing	Chrome Stainless Steel	
4	Ball Guide 0.65mm pitch 7x7 array	Kapton Polyimide/Cirlex	
5	#0-80 X .375 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel	
6	IC guide 5x5mm IC	Kapton Polyimide/Cirlex	
7	Elastomer Guide 5x5mm	Kapton Polyimide/Cirlex	
8	Target PCB 5x5mm 0.65mm pitch 7x7 array	FR4 Standard	
9	12mm Plastic Snap Clamshell Socket Lid	PPS/Ultem	
10	Clamshell Latch Snap Lid Socket (modified M2695 latch)	PPS/Ultem	
11	Snap ring for 2mm Hinge pin 0.15" OD		
12	2mm diameter Hinge Pin, 20 mm long	Alloy Steel	
13	Torsion Spring, 180 0.109" OD, Ccw/Rh	Steel Music Wire	
14	Clamshell CG socket base 7x7mm	7075-T6 Aluminum Alloy	
15	Clamshell Backing Plate, 7mm IC 5 post "H" shaped	7075-T6 Aluminum Alloy	
16	Compression Plate 7x7mm	7075-T6 Alumium Alloy	
17	Wave spring 4 lbs 0.375" OD 0.15" In	Plain Carbon Steel	
18	Dowel Pin, M1.5 X 20mm LG, 18-8 SS	AISI 347 Annealed Stainless Steel (SS)	
19	Wave spring Spacer	Kapton Polyimide/Cirlex/ ultem	



Backing plate specification

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

Description: SOCKET SPEC

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

CG-BGA-5020 Drawing	Finish: N/A Weight: 12.22	STATUS: Released	SHEET: 4 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		ENG: V. Panavala	DRAWN BY: M. Raske	SCALE: 3:1
		FILE: CG-BGA-5020 Dwg	DATE: 11/20/2013	