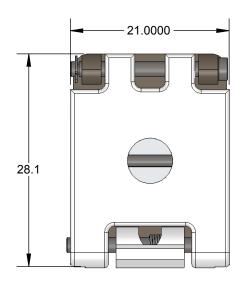
GHz BGA Socket - Direct mount, solderless

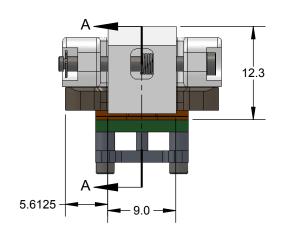


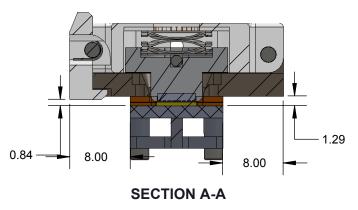
Features

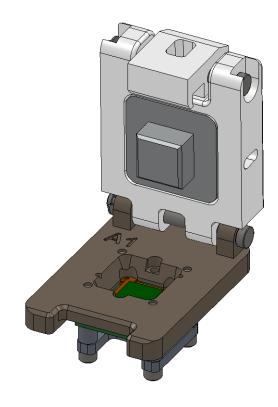
- Directly mounts to target PCB (needs tooling holes) with hardware
 High speed, reliable Elastomer connection
 Minimum real estate required

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

TOP VIEW







FRONT VIEW

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

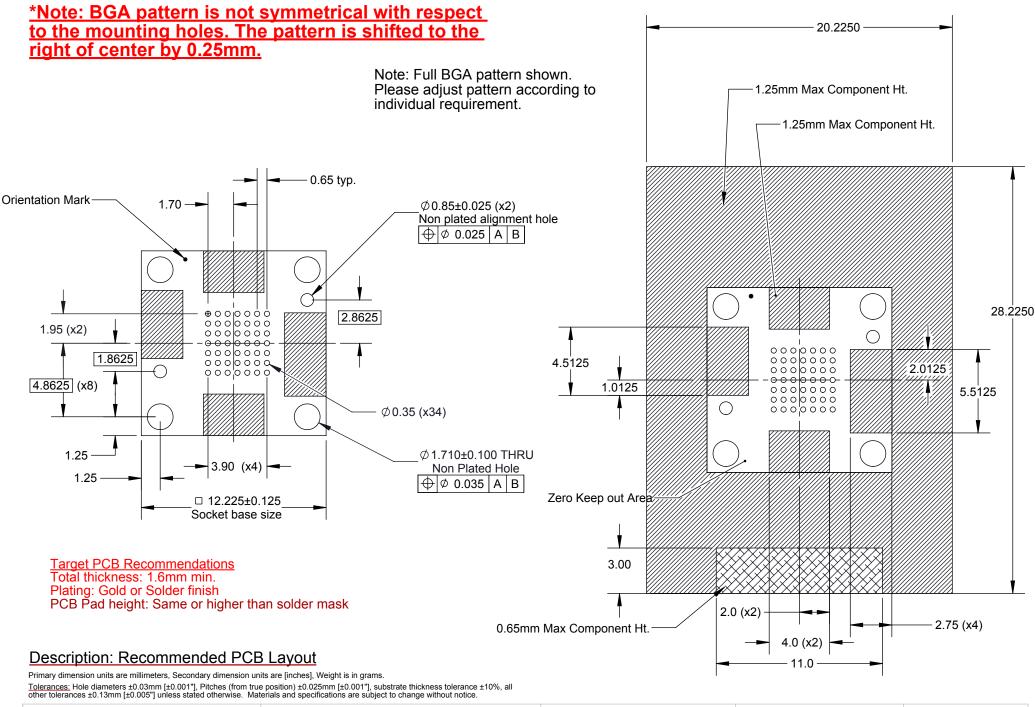
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodélectronics.com Material: N/A Finish: N/A Weight: 12.22

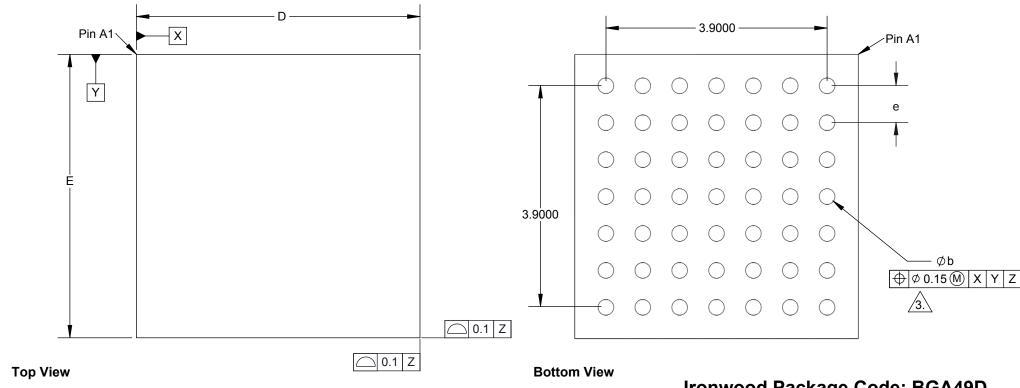
STATUS: Released	SHEET: 1 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: M. Raske	SCALE: 2:1
FILE: CG-BGA-5020 Dwg	DATE: 11/20/2013	

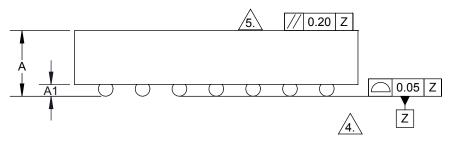


CG-BGA-5020 Drawing

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 12.22

STATUS: Released	SHEET: 2 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: M. Raske	SCALE: 4:1
FILE: CG-BGA-5020 Dwg	DATE: 11/20/2013	





Ironwood Package Code: BGA49D

DIM	MIN	MAX	
Α		1.5	
A1	0.17		
b	0.25	0.35	
D	5.00		
E	5.00		
e 0.65 BSC		5 BSC	

Array: 7x7

Side View

Dimendions are in millimeters.

Interpret dimensions and tolerances per ASME Y14.5M-1994.

Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.

Datum Z (seating plane) is defined by the spherical crowns of the solder balls.

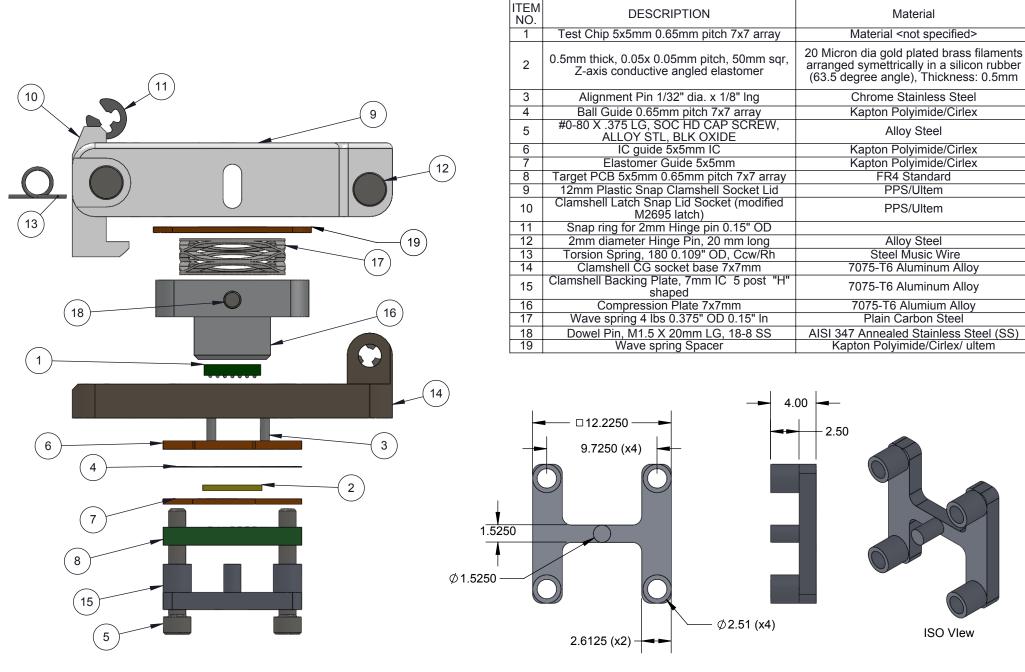
Parallelism measurement shall exclude any effect of mark on top surface of package.

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.

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



Description: SOCKET SPEC

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

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 12.22

STATUS: Released	SHEET: 4 OF 4	REV. A
ENG: V. Panavala	DRAWN BY: M. Raske	SCALE: 3:1
FILE: CG-BGA-5020 Dwg	DATE: 11/20/2013	

Backing plate specification