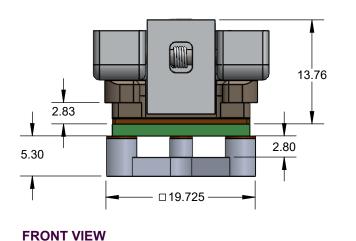


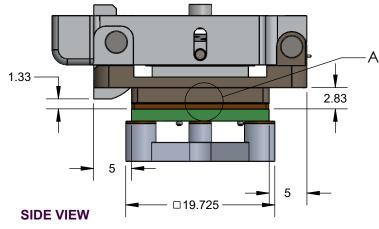
7.10

6.227

User Instructions:

- Place the device inside the socket and close the lid.
- If needed, turn the screw to add compression.





Description: CG-BGA225 13x13mm 0.8mm pitch 15x15 array

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

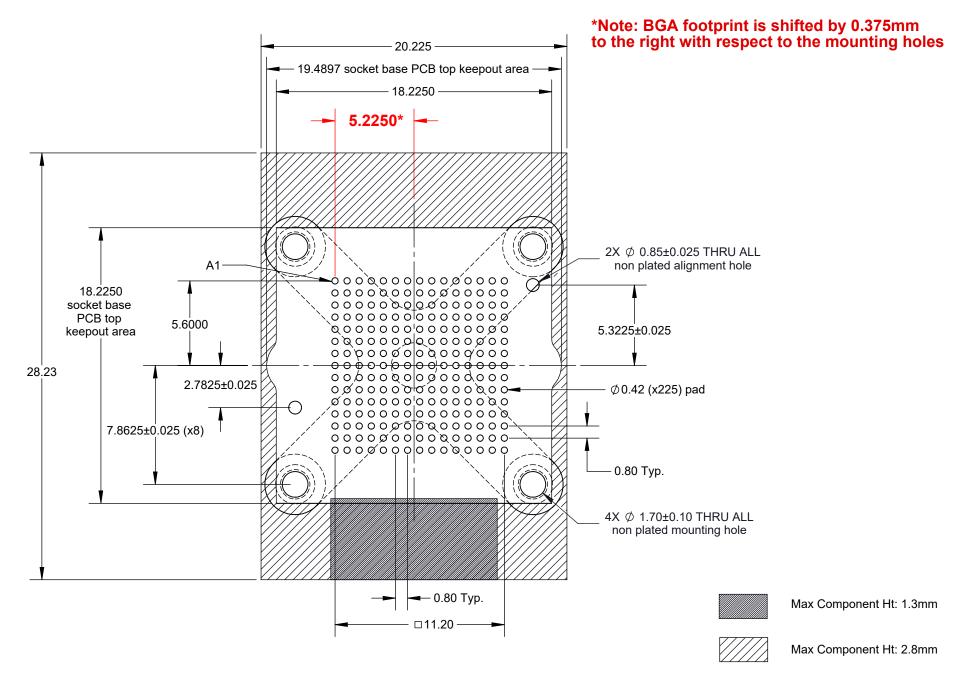
Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

CG-BGA-4030 Drawin	Q
Ironwood Electronics,	lr

nc. Tele: (800) 404-0204 www.ironwoodelectronics.com

Material: N/A Finish: N/A Weight: 18.78

STATUS: Quality Approval Pending	SHEET: 1 OF 4	REV. A	
ENG: M. Raske	DRAWN BY: M. Raske	SCALE: 2:1	
FILE: CG-BGA-4030 Dwg	DATE: 07/21/2020		



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.

CG-BGA-4030 Drawing

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 18.78 STATUS: Quality Approval Pending

SHEET: 2 OF 4

ENG: M. Raske

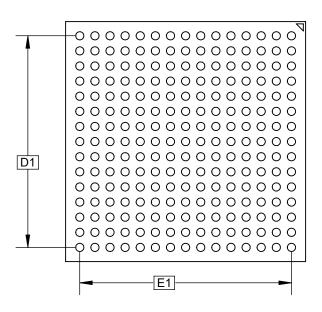
DRAWN BY: M. Raske

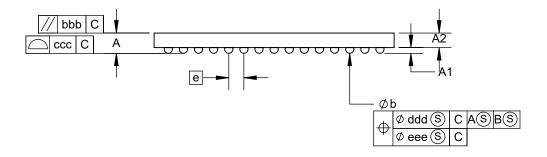
SCALE: 4:1

FILE: CG-BGA-4030 Dwg

DATE: 07/21/2020

Ironwood package code BGA225E





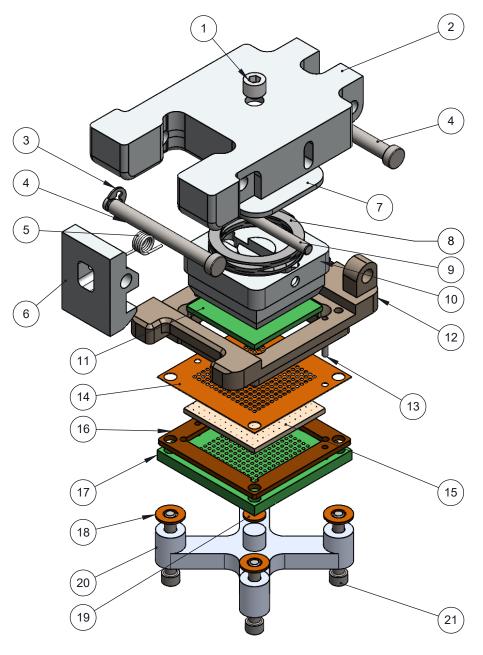
	MIN.	NOM.	MAX.
Α			1.25
A1	0.25		0.35
A2	0.77	0.82	0.87
D		13.00	
D1		11.20	
Е		13.00	
E1		11.20	
е		0.80	
b	0.35	0.40	0.45
aaa		0.10	
bbb		0.20	
CCC		0.12	
ddd		0.15	
eee		0.08	

Description: Compatible BGA

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

<u>Tolerances:</u> 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-4030 Drawing		***************************************	STATUS: Quality Approval Pending	SHEET: 3 OF 4	REV. A
•	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Weight: 18.78	ENG: M. Raske	DRAWN BY: M. Raske	SCALE: 5:1
			FILE: CG-BGA-4030 Dwg	DATE: 07/21/2020	



_	101310110011119, 100 0110, 02, 0011, 1111	010011110310 77110			
6 Clamshell Latch Snap Lid Socket		7075-T6 Alumium Alloy			
7	Spacer	7075-T6 Aluminum Alloy			
8	Wave Spring 0.5" OD 0.18" H 143 lb/in	Carbon Steel SEA 1070-1090			
9	Dowel Pin, M1.5 X 20mm LG, 18-8 SS	AISI 347 Annealed Stainless Steel (SS)			
10	Compression Plate 13x13mm	7075-T6 Alumium Alloy			
11	Test CHIP 15x15 array, 0.8mm pitch	FR4 High temp			
12	Clamshell socket base 13mm IC	7075-T6 Aluminum Alloy			
13	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel			
14	Ball Guide 15x15 array, 0.8mm pitch	Kapton Polyimide/Cirlex			
15	0.75mm thick 0.1mm pitch 63 deg angled elastomer	Silicon Rubber			
16	Elastomer Guide 13x13mm	Kapton Polyimide/Cirlex/Ultem			
17	Target PCB 15x15 array, 0.8mm pitch	FR4 High temp			
18	Insulating washer, 4mm OD.	Kapton Polyimide/Cirlex			
19	Insulating washer, 3mm OD.	Kapton Polyimide/Cirlex			
20	13x13mm Clamshell Backing Plate	7075-T6 Aluminum Alloy			
21	#0-80 X .375 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel			
2.8048					

Material

Stainless Steel (316)

7075-T6 Aluminum Alloy

Alloy Steel

Steel Music Wire

ITEM

NO.

2

4 5 **DESCRIPTION**

Set Screw M3 Size, 3mm Long, 0.5mm Pitch

Clamshell snap Socket Lid 13mm IC

Snap ring for 2mm Hinge pin 0.15" OD

2mm diameter Hinge Pin, 20 mm long

Torsion Spring, 180 0.109" OD, Ccw/Rh

Ø3 —

Description: Socket Assy, detail

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-4030 Drawin	Ç
Ironwood Electronics	h

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 18.78

STATUS: Quality Approval Pending	SHEET: 4 OF 4	REV. A
ENG: M. Raske	DRAWN BY: M. Raske	SCALE: 2:1
FILE: CG-BGA-4030 Dwg	DATE: 07/21/2020	

Backing Plate Side View