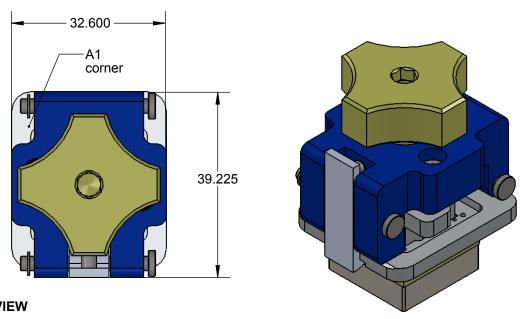
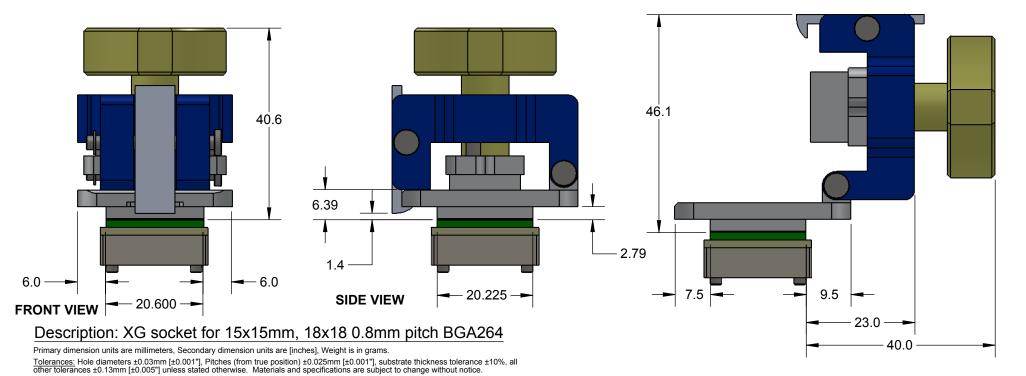
XG-BGA Socket - Direct mount, solderless



FEATURES:

Wide temperature range (-40C to +120C)
High current capability (up to 5A)
Excellent signal integrity at high frequencies
Low and stable contact resistance for reliable production yield
Highly compliant to accommodate wide co-planarity variations

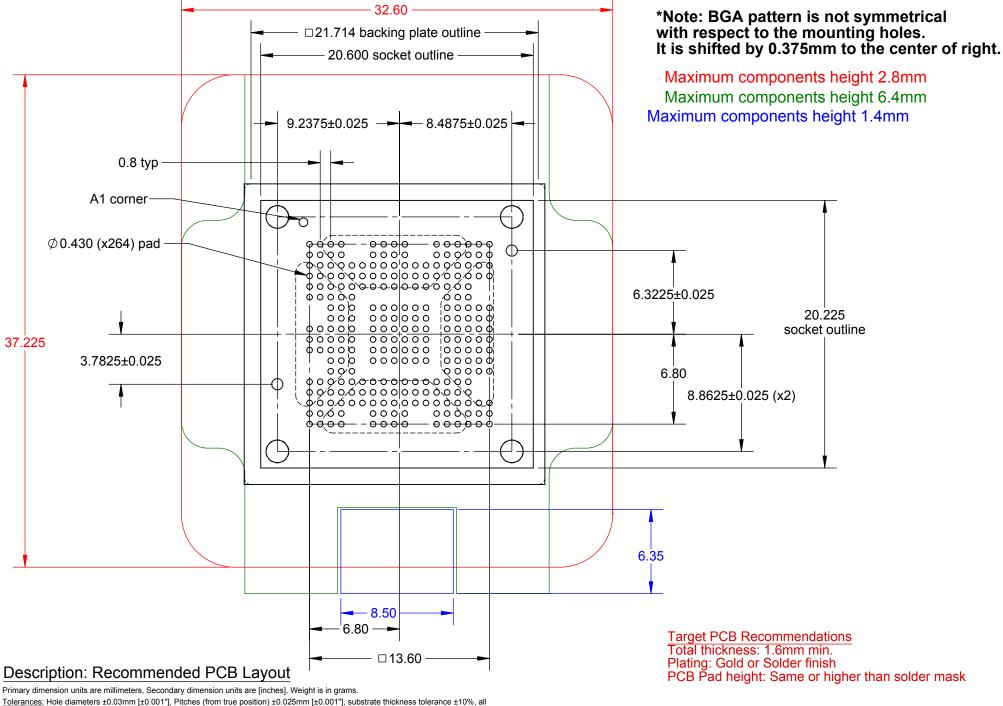
TOP VIEW



XG-BGA-4012 Drawing

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodélectronics.com Material: N/A Finish: N/A Weight: 86.25

STATUS: Released	SHEET: 1 OF 4	REV. A
ENG: E. Smolentseva	DRAWN BY: E. Smolentseva	SCALE: 1.25:1
FILE: XG-BGA-4012	DATE: 4/4/13	



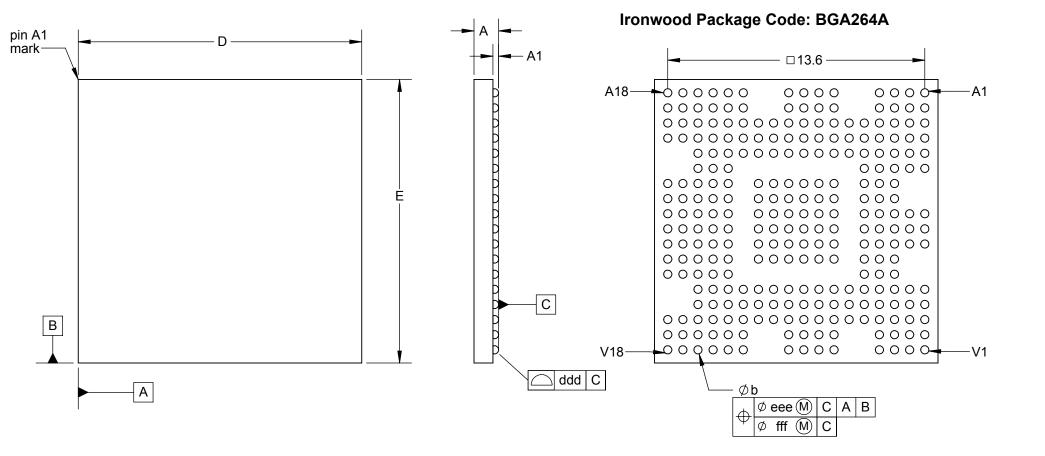
other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice

XG-BGA-4012 Drawing

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodélectronics.com

Material: N/A Finish: N/A Weight: 86.25

STATUS: Released	SHEET: 2 OF 4	REV. A
ENG: E. Smolentseva	DRAWN BY: E. Smolentseva	SCALE: 3.5:1
FILE: XG-BGA-4012	DATE: 4/4/13	



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

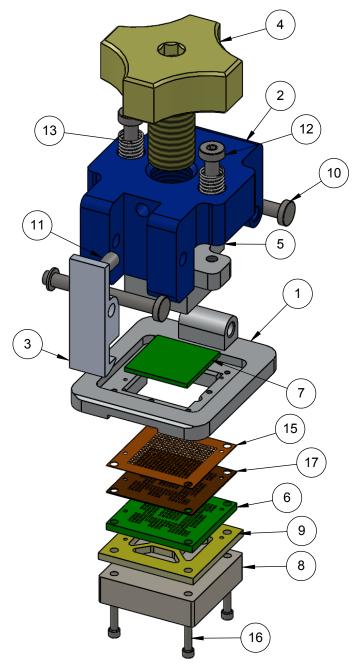
Description: Compatible BGA

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 ±0.15mm [±0.005] unless stated otherwise. Materials and specifications are subject to change without notice.					
X	XG-BGA-4012 Drawing Material: N/A		STATUS: Released	SHEET: 3 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Weight: 86.25	ENG: E. Smolentseva	DRAWN BY: E. Smolentseva	SCALE: 5:1	
		FILE: XG-BGA-4012	DATE: 4/4/13		

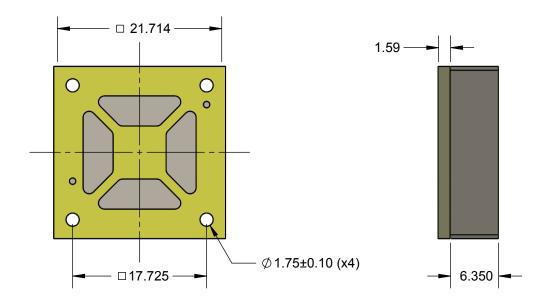
DIM	Minimum Maximu		
Α	1.70		
A1	0.25	0.35	
b	0.35 0.45		
D	15±0.15		
E	15±0.15		
е	0.80 BSC		
ARRAY	18 x 18		
PIN COUNT		264	
ddd		0.10	
eee		0.15	
fff		0.08	



ITEM		
NO.	DESCRIPTION	Material
1	Socket Base	7075-T6 Aluminum Alloy
2	Clam Shell	7075-T6 Aluminum Alloy
3	Latch 10-17mm clamshell	7075-T6 Aluminum Alloy
4	COMPRESSION SCREW, 17MM X M10	7075-T6 Aluminum Alloy
5	Compression Plate	7075-T6 Aluminum Alloy
6	Customer's target PCB	Material <not specified=""></not>
7	Customer's BGA device	Material <not specified=""></not>
8	SBT/CBT Ni Plated 15mm Backing Plate	7075-T6 Alumium Alloy
9	Insulation Plate	FR4
10	Hinge Pin and Snap Ring, 3mm OD, 25mm long, SS	Stainless Steel (ferritic)
11	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
12	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
13	Spring Clamshell lid assembly	Steel Music Wire
14	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel
15	Ball Guide	Kapton Polyimide/Cirlex
16	#0-80 x 0.5, SH Cap Screw	Alloy Steel
17	C-flex, 15x15mm 18x18 0.8mm pitch BGA264	Cflex

Custom Insulating Plate

Insulating and Backing Plate (not to scale)



Description: Socket Assy, Insulation Plate

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.

XG-BGA-	4012 Drawing	Material: N/A	STATUS: Released	SHEET: 4 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: N/A Weight: 86.25	ENG: E. Smolentseva	DRAWN BY: E. Smolentseva	SCALE: 1.25:1	
		FILE: XG-BGA-4012	DATE: 4/4/13		