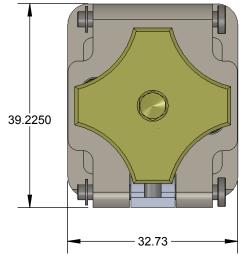
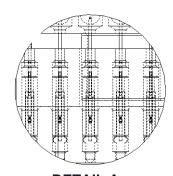
CBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS





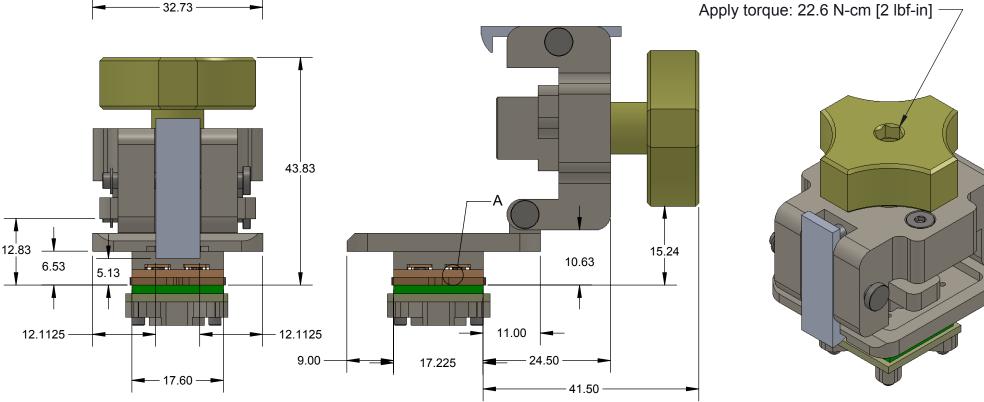
DETAIL A SCALE 10:1

FEATURES:

Wide temperature range (-55C to +180C) High current capability (up to 4A)

Excellent signal integrity at high frequencies

Low and stable contact resistance for reliable production yield Highly compliant to accommodate wide co-planarity variations Automated probe manufacturing enables low cost and short lead time



Description: Socket for 12x12 14x14 0.8mm pitch BGA170

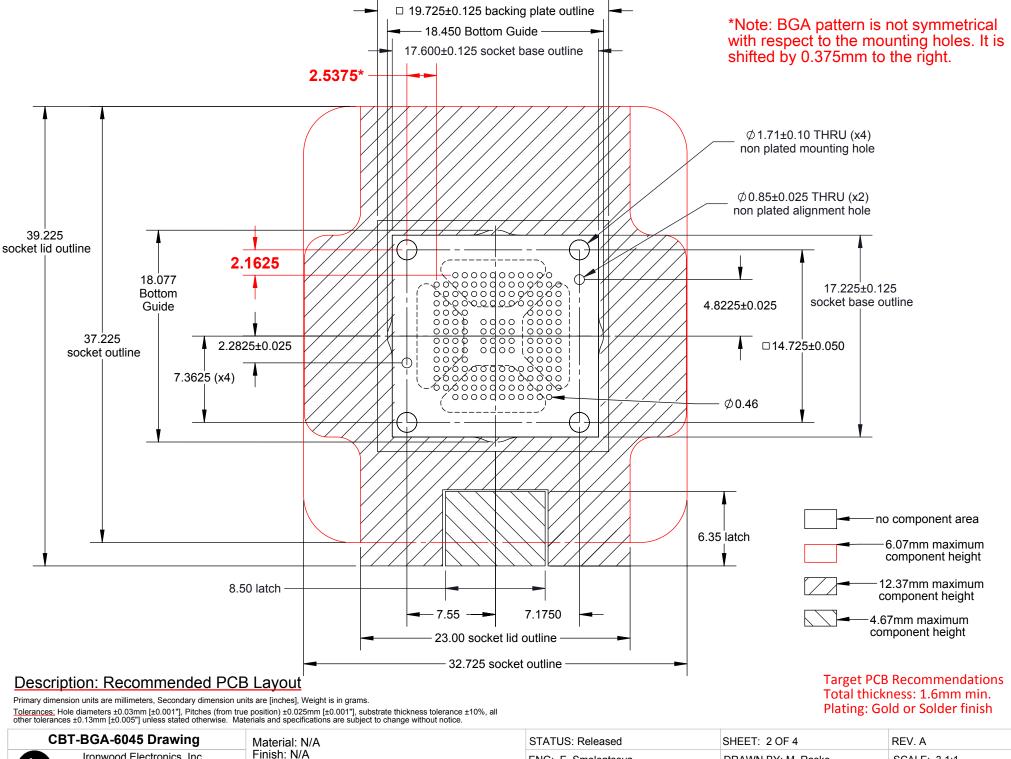
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams

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.

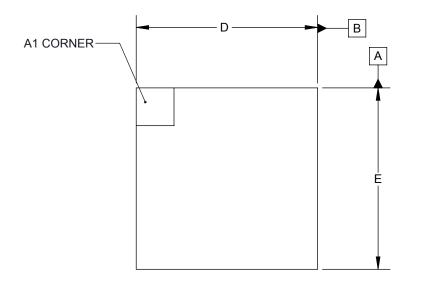
CBT-BGA-6045 Drawing		
	Ironwood Electronics, Inc	
4	Tele: (800) 404-0204 www.ironwoodelectronics.co	

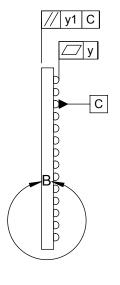
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodélectronics.com Material: N/A Finish: N/A Weight: 77.57

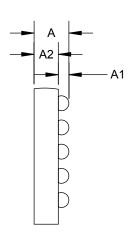
STATUS: Released	SHEET: 1 OF 4	REV. A
ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 2.75:2
FILE: CBT-BGA-6045 Dwg	DATE: 01/08/2015	



Ironwood Electronics Package Code: BGA170B







DETAIL B SCALE 8:1

A1 CORNER 0000000000 000000000000 0000000000000 00000000000000 0000 0000-0000 0000 0000 0000 0000 0000 0000 0000 0000 e2 0000 0000 0000 0000 0000 0000000000000 0000000000000 0000000000000 Q0000000000 Øb | Ø v (M) | C | A | B $\phi_{\mathbf{W}}(\mathbf{M})$

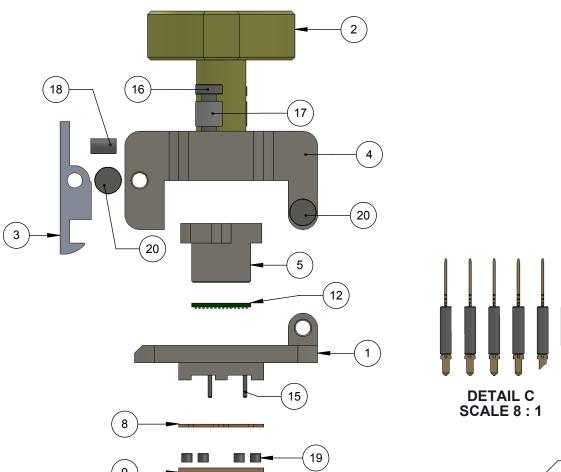
DIM	Minimum	Nominal	Maximum
Α	1.25	1.35	1.50
A1	0.30	0.35	0.40
A2	0.95	1.00	1.10
b	0.40	0.45	0.50
D	11.9	12.0	12.1
E	11.9	12.0	12.1
е	0.80 BSC		
e1	10.4		
e2	10.4 0.15 0.08		
V			
W			
У	0.12		
y1	0.10		
PIN COUN	Т	_	170

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

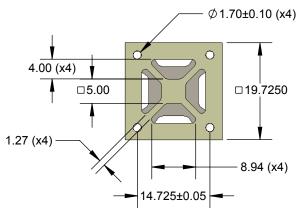
CBT-BGA-6045 Drawing	Finish: N/A Weight: 77.57	STATUS: Released	SHEET: 3 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204		ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 4:1
www.ironwoodelectronics.com		FILE: CBT-BGA-6045 Dwg	DATE: 01/08/2015	



ITEM	DESCRIPTION	Material
NO.		
1	Socket Base	7075-T6 Aluminum Alloy
2	COMPRESSION SCREW, 17MM X M10	7075-T6 Aluminum Alloy
3	Latch 10-17mm clamshell	7075-T6 Aluminum Alloy
4	Clam Shell	7075-T6 Aluminum Alloy
5	Compression Plate	7075-T6 Aluminum Alloy
6	Backing Plate	7075-T6 Aluminum Alloy
7	Insulation Plate	FR4 High temp
8	Floating Guide 12mm 0.8mm 14x14array	Semitron MDS 100
9	Middle Pogo Guide 12mm 0.8mm 14x14 arr	Semitron MDS 100
10	Bottom Guide 12mm 0.8mm 14x14 arr	Semitron MDS 100
11	Customer's target PCB	Custom Plastic
12	Customer's device	FR4
13	SBT Pin, SBT-BGA 0.5mm-0.8mm	
14	#0-80 x 0.5, SH Cap Screw	Alloy Steel
15	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
16	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
17	Spring Clamshell lid assembly	Steel Music Wire
18	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
19	Floating Guide Spring	Alloy Steel (SS)
20	Hinge Pin and Snap Ring, 3mm OD, 25mm long, SS	Stainless Steel (ferritic)
21	#0-80, 90 deg., head pin guide screw, Peek material 5.5715mm overall Length	PEEK unfilled

1.5875

6.0875



Description: Socket Assy, detail

21

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Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 77.57

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14

6

(10⁾

STATUS: Released	SHEET: 4 OF 4	REV. A
ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 1.3:1
FILE: CBT-BGA-6045 Dwg	DATE: 01/08/2015	