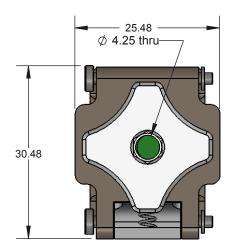
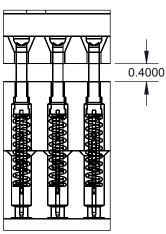
# CBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



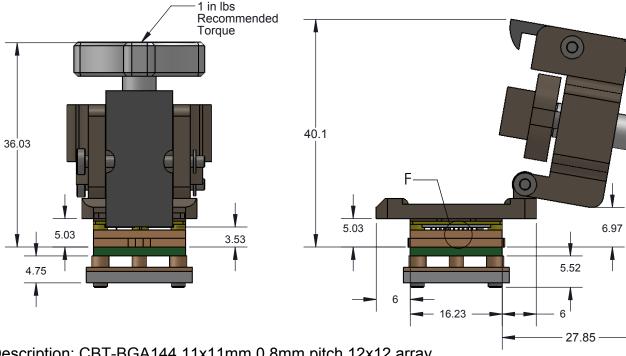


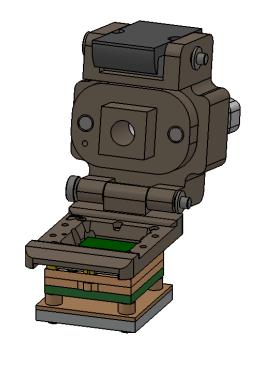
#### **FEATURES:**

- 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

**DETAIL F SCALE 12:1** 





Description: CBT-BGA144 11x11mm 0.8mm pitch 12x12 array

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

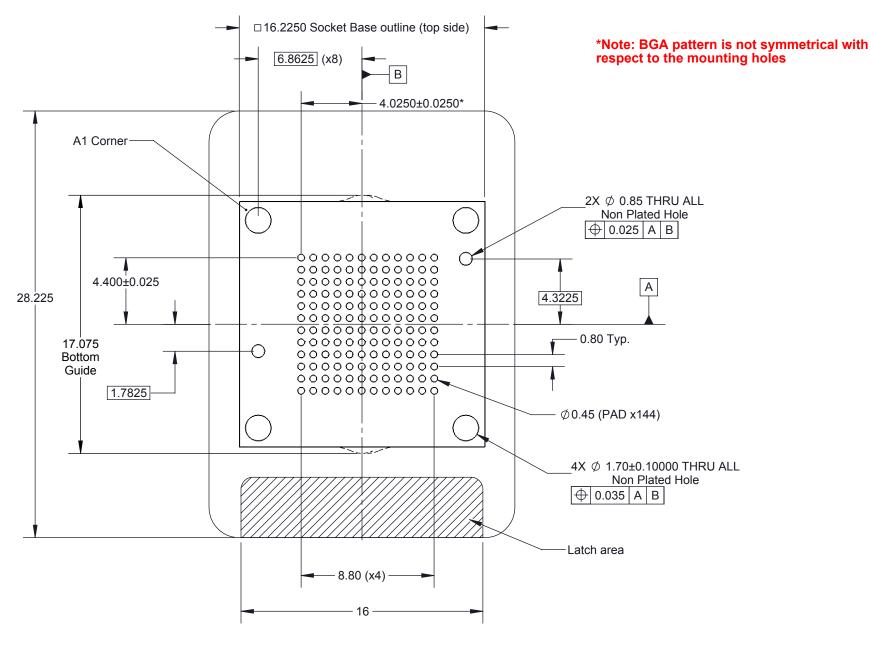
Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

CBT-BGA-6025 Drawing		
A	Ironwood Electronics, Inc Tele: (800) 404-0204	
7.70	Tele: (800) 404-0204	

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

Material: N/A Finish: N/A Weight: 39.51

STATUS: Released	SHEET: 1 OF 5	REV. C
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 3:2
FILE: CBT-BGA-6025	DATE: 8/27/2012	



#### 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.

Target PCB Recommendations
Total thickness: 1.6mm min.
Plating: Gold or Solder finish

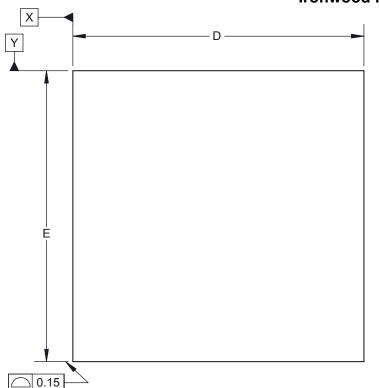
#### **CBT-BGA-6025 Drawing**

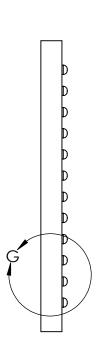


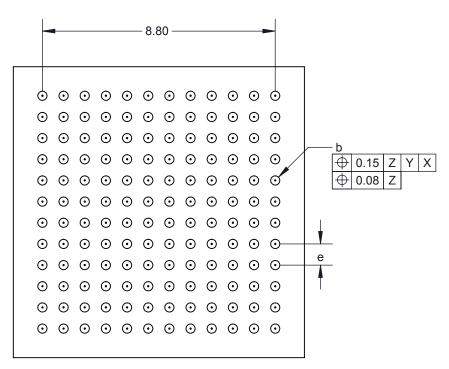
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 39.51

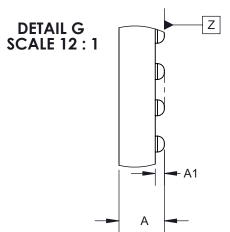
STATUS: Released	SHEET: 2 OF 5	REV. C
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 4:1
FILE: CBT-BGA-6025	DATE: 8/27/2012	

#### Ironwood Package Code: BGA144K









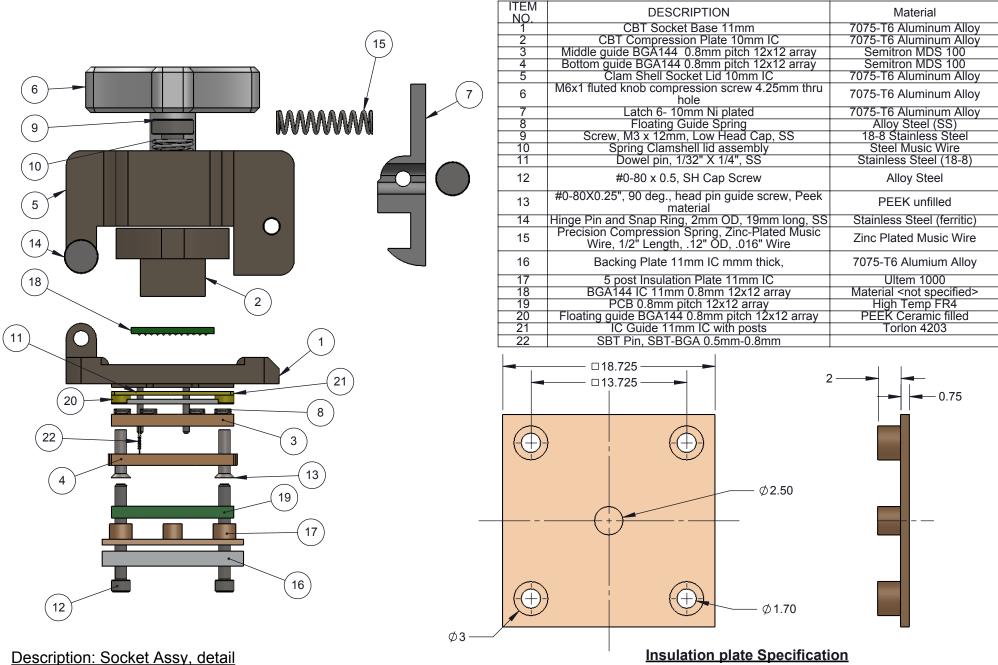
DIM	Minimum	Maximum
Α		2.1
A1	0.28	
b 0.20		0.5
D	11 BSC	
E	1	1 BSC
е	.8 BSC	
PIN COUN	Γ	144

## **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-6025 Drawing		material: 1177	STATUS: Released	SHEET: 3 OF 5	REV. C
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Weight: 39.51	ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 7:1
<b>TOP</b>			FILE: CBT-BGA-6025	DATE: 8/27/2012	



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-6025 Drawing**



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

Material: N/A Finish: N/A Weight: 39.51

STATUS: Released	SHEET: 4 OF 5	REV. C
ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 2:1
FILE: CBT-BGA-6025	DATE: 8/27/2012	

Rev	Date	Initials	Description
Α	08/27/12	VP	Original
В	02/18/14	DH	Changed current rating of pin
С	3/25/15  1) Changed spring pin and guides to new design protrusion adjusted, if needed, metal screws replastic screws, if needed. Contact Ironwood for		1) Changed spring pin and guides to new design, dowel pin protrusion adjusted, if needed, metal screws replaced with plastic screws, if needed. Contact Ironwood for details. 2) Changed IC guide material from Ultem to torlon

## **Description: Revision History**

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-6025 Drawing	Finish:	STATUS: Released	SHEET: 5 OF 5	REV. C
3	Ironwood Electronics, Inc. Tele: (800) 404-0204		ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 2:1
	www.ironwoodelectronics.com		FILE: CBT-BGA-6025	DATE: 8/27/2012	