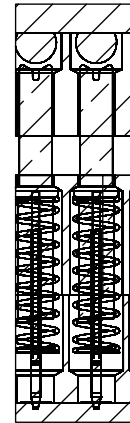
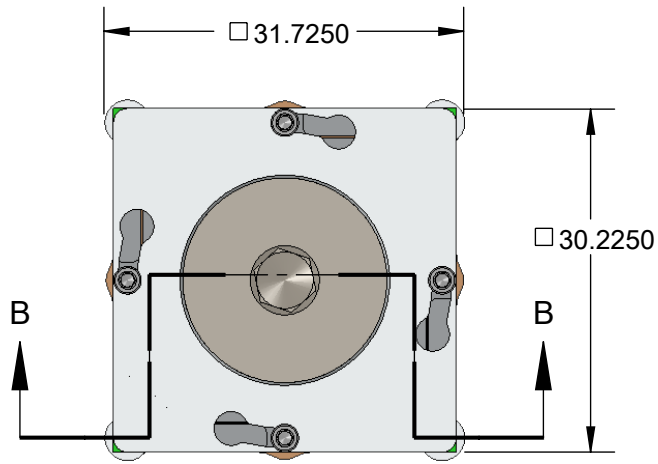


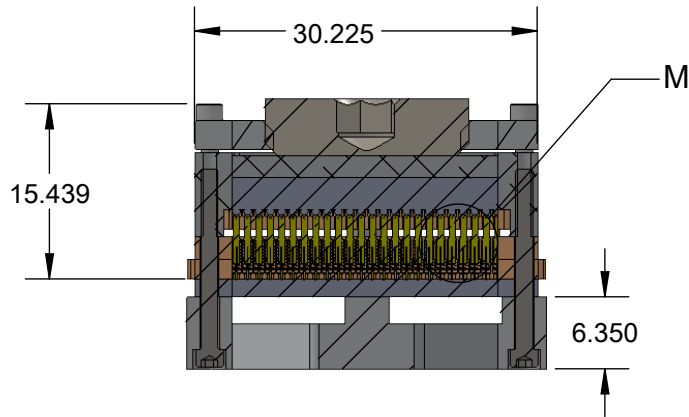
SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



DETAIL M
SCALE 8 : 1

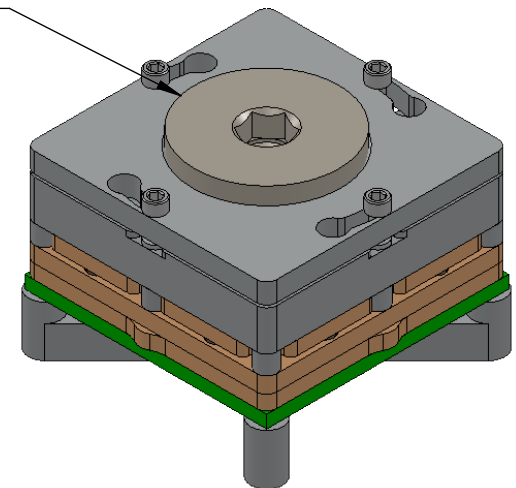
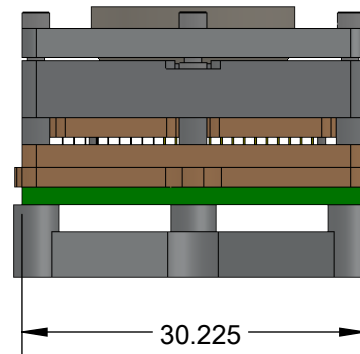
Features:

- 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.
- Easily removable swivel lid



SECTION B-B

Apply Torque till Top guide touches the middle guide.
~ 59 N-cm [5.23 lbf-in]

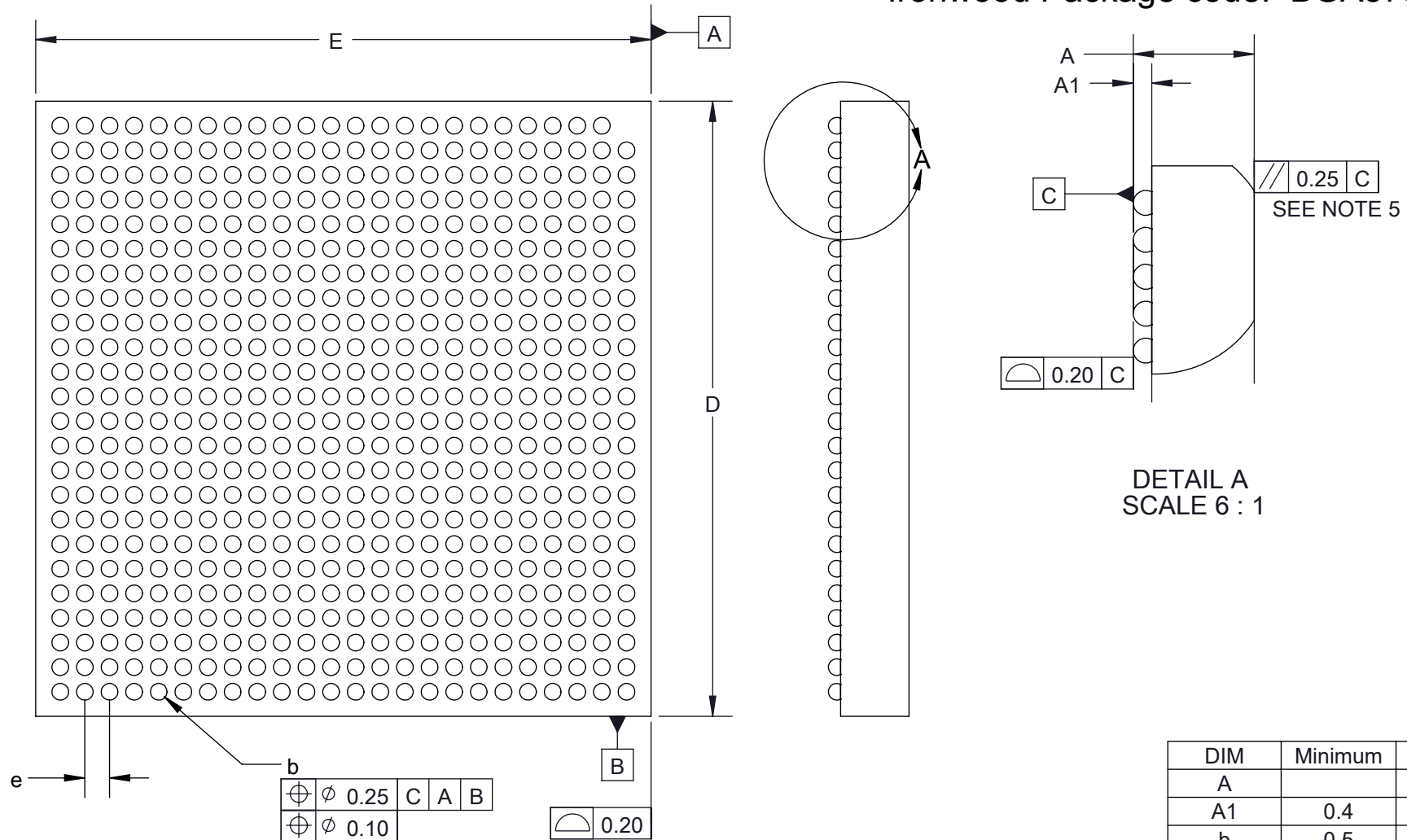


Description: SBT-BGA575 1MM 24x24 ARR SKT ASSEM

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

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

SBT-BGA-6530 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 30.50	STATUS: Released ENG: J. Vavra FILE: SBT-BGA-6530 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 11/10/2015	REV. A SCALE: 3:2
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DIM	Minimum	Maximum
A		3.399
A1	0.4	0.6
b	0.5	0.70
D	25.00 BSC	
E	25.00 BSC	
e	1.0 BSC	
ARRAY	24 x 24	
PIN COUNT	575	

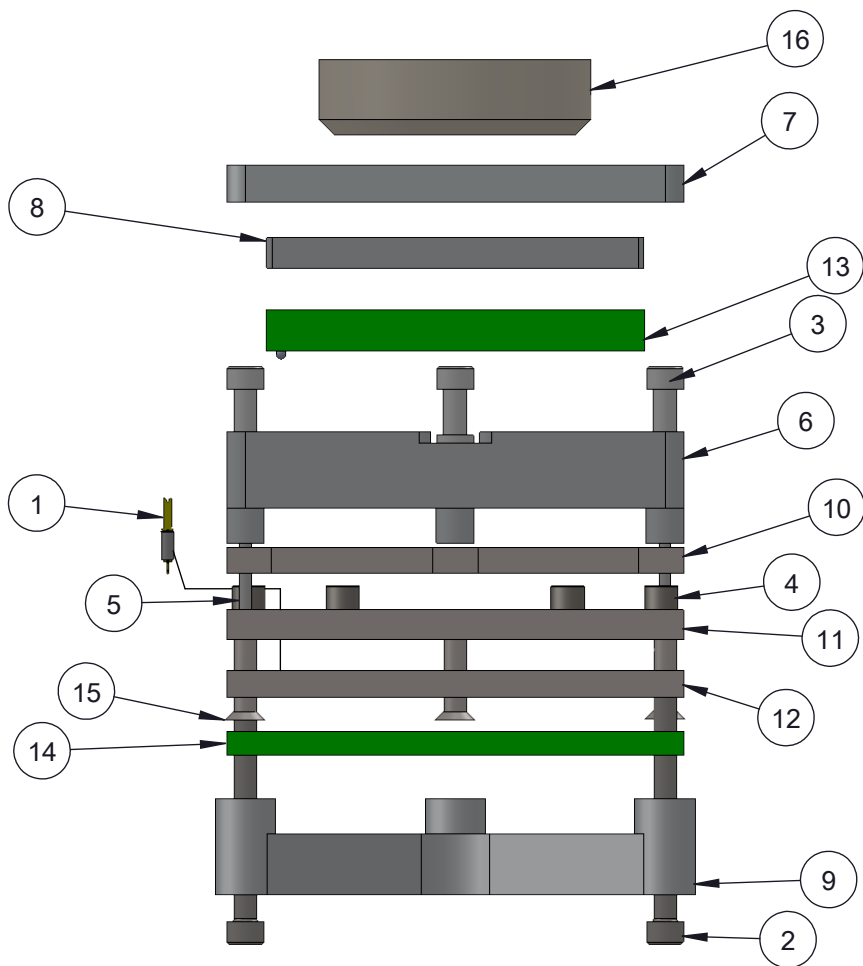
Description: Compatible BGA

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

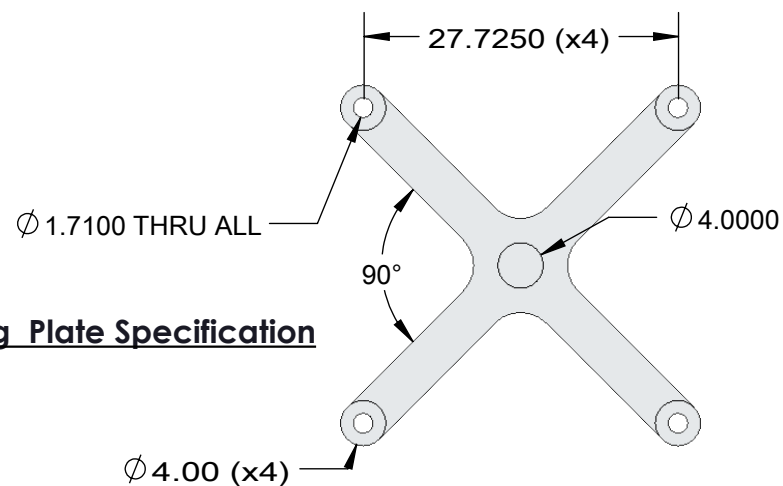
Tolerances: Hole diameters $\pm 0.03\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.025\text{mm}$ [$\pm 0.001"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change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

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 Z.
4. Datum Z (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.

 SBT-BGA-6530 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 30.50	STATUS: Released	SHEET: 3 OF 4	REV. A
		ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 4:1
		FILE: SBT-BGA-6530 Dwg	DATE: 11/10/2015	



ITEM NO.	DESCRIPTION	Material
1	Pogo Pin, 1mm Pitch SBT BGA pin	
2	#0-80 X .625 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
3	#0-80 Shoulder Screw, 1.59mm thread length	Stainless Steel (303)
4	Floating Guide Spring	Alloy Steel (SS)
5	Dowel Pin, 1/32" x 3/8", SS	Chrome Stainless Steel
6	SBT Ni Plt 25x25mm	7075-T6, Plate (SS)
7	SBT Ni plt skt lid 25mm	7075-T6 Aluminum Alloy
8	SBT COMP PLT NI PLT 25MM CSTM	7075-T6, Plate (SS)
9	SBT/CBT Backing Plate 25mm IC	7075-T6 Aluminum Alloy
10	Floating Guide 25x25mm 1mm 24x24 arr 575 holes	PEEK Ceramic filled
11	Middle Guide 25x25mm 1mm 24x24 arr 575 holes	PEEK Ceramic filled
12	Bottom Guide 25x25mm 1mm 24x24 arr 575 holes	PEEK Ceramic filled
13	BGA chip for 25x25mm 1mm, 24x24array	Material <not specified>
14	Target PCB for 25x25mm; 1mm, 24x24	Material <not specified>
15	#0-80X0.25", 90 deg., head pin guide screw, Peek material	PEEK unfilled
16	Compression Screw, M18	7075-T6 Aluminum Alloy



Backing Plate Specification

Description: Socket Assy, Insulation Plate

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

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

SBT-BGA-6530 Drawing		STATUS: Released	SHEET: 4 OF 4	REV. A
 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A	ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 2:1
	Finish: N/A	FILE: SBT-BGA-6530 Dwg	DATE: 11/10/2015	
	Weight: 30.50			