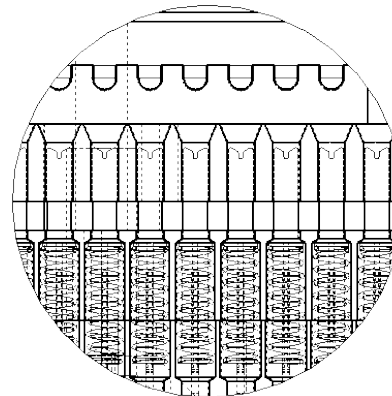
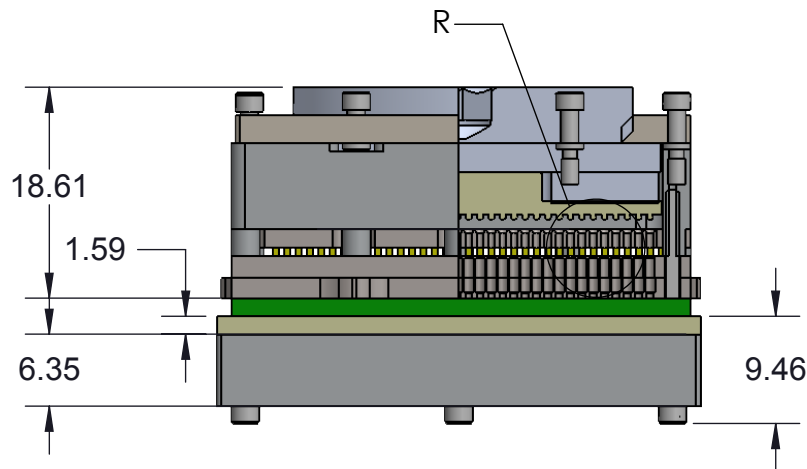
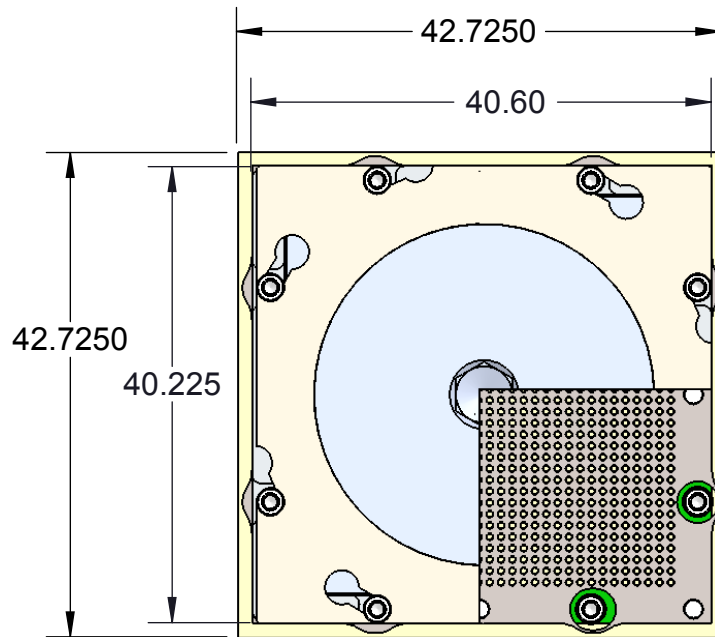


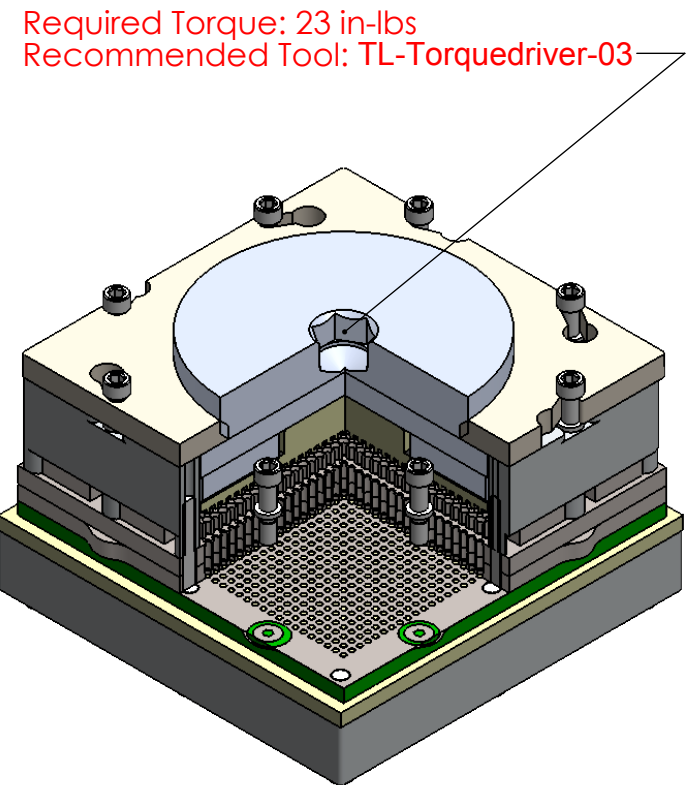
SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

Features

- Wide temperature range (-55C to +180C)
- High current capability (up to 8A)
- 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 R
SCALE 6 : 1



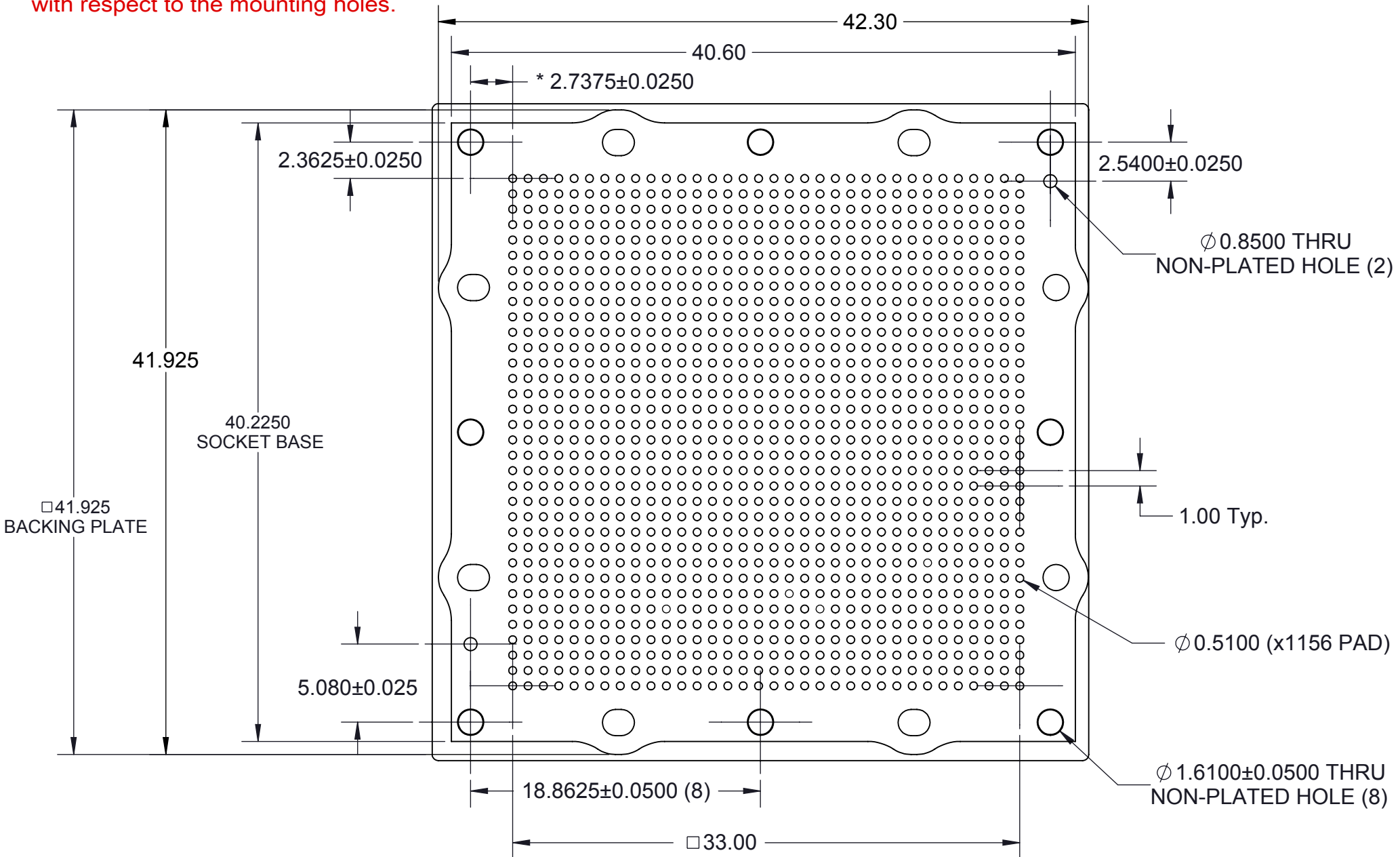
Description: SBT-BGA1156 Socket, 35x35, 1.00mm, 34 x 34 Array

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-6000 Drawing  ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 94.36	STATUS: Released ENG: V. Panavala FILE: SBT-BGA-6000	SHEET: 1 OF 4 DRAWN BY: V. Panavala DATE: 4/26/2010	REV. G SCALE: 2:1
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*Note: BGA pattern is not symmetrical with respect to the mounting holes.



Description: Recommended PCB Layout

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


Tolerances: Hole diameters ± 0.0254 mm [± 0.001 "], Pitches (from true position) ± 0.0762 mm [± 0.003 "], substrate thickness tolerance $\pm 10\%$, all other tolerances ± 0.127 mm [± 0.005 "], unless stated otherwise. Materials and specifications are subject to change without notice.

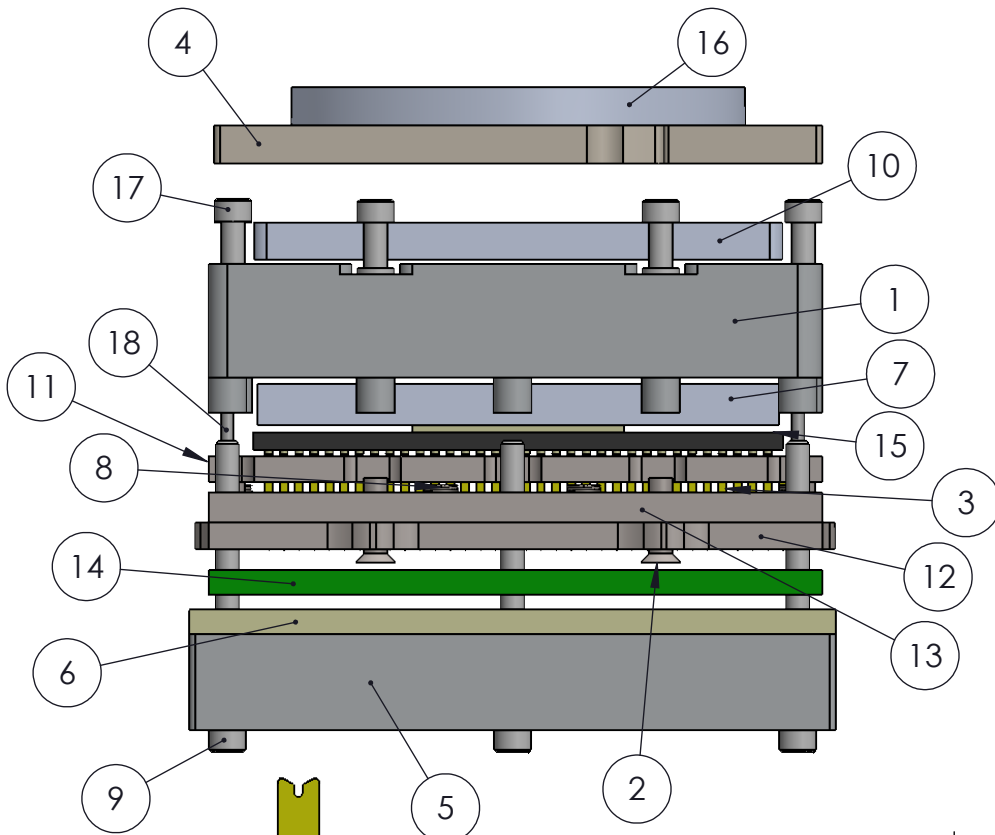
Target PCB Recommendations

Total thickness: 1.6mm min.

Plating: Gold or Solder finish

PCB Pad height: Same or higher than solder mask

SBT-BGA-6000 Drawing		STATUS: Released	SHEET: 2 OF 4	REV. G
	©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	ENG: V. Panavala	DRAWN BY: V. Panavala	SCALE: 3:1
		FILE: SBT-BGA-6000	DATE: 4/26/2010	
		Material: Material <not specified> Finish: Weight: 94.36		



SBT PIN
10:1 scale

Description: Assembly, Insulation Plate

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

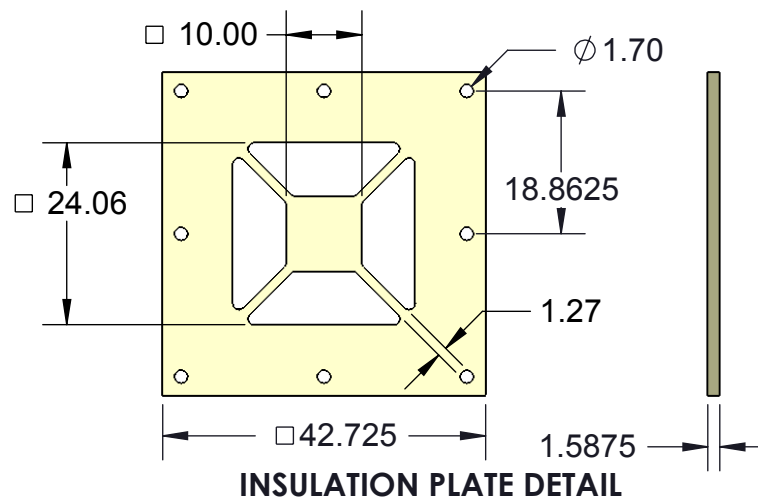
Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

SBT-BGA-6000 Drawing

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Material: Material <not specified>
Finish:
Weight: 94.36

ITEM NO.	Description	Material
1	SBT socket base, Ni Plated, 35x35mm, 0.375 shift	7075-T6, Plate (SS)
2	#0-80, 90 deg., head pin guide screw, Peek material 5.5715mm overall Length	PEEK unfilled
3	Pogo Pin, 1mm Pitch SBT BGA pin	
4	Socket Lid 35mm GHz swivel	7075-T6 Aluminum Alloy
5	CBT/STB Ni plt Backing Plate 35x35mm IC	7075-T6, Plate (SS)
6	Insulation Plate 35x35mm IC	FR4 Standard
7	Compression plate 35mm with cutout	7075-T6 Aluminum Alloy
8	Floating Guide Spring	Alloy Steel (SS)
9	#0-80 X .75 LG, SOC HD CAP SCREW, 18-8 SS	Stainless Steel (18-8)
10	SBT Ni plt Compression Plate, 35x35mm IC	7075-T6 Aluminum Alloy
11	Floating Guide 35mm SBT-BGA1156	PEEK Ceramic filled
12	Bottom Guide SBT-BGA1156	PEEK Ceramic filled
13	Middle Guide SBT-BGA1156	PEEK Ceramic filled
14	Test PCB 34x34 array 1mm pitch	High Temp FR4
15	Test Chip 35mm 34x34 array	High Temp FR4
16	Compression Screw, M30	7075-T6 Aluminum Alloy
17	#0-80 Shoulder Screw, 2.29mm thread length	Stainless Steel (303)
18	Dowel Pin, 1/32" x 3/8", SS	Chrome Stainless Steel



INSULATION PLATE DETAIL

Rev	Date	Initials	Description
A	04/26/10	VP	Original
B	5/19/10	VP	Changed socket base screw and added compression plate M1065
C	6/28/10	MR	Replaced anodized components with nickel plated components
D	10/18/11	VP	Update layout page
E	3/16/15	SF	Added recommended torque in page 1
F	2/2/16	MR	Replace flat head screws
G	7/5/16	MR	added dowel pins per redline

STATUS: Released

ENG: V. Panavala

FILE: SBT-BGA-6000

SHEET: 4 OF 4

DRAWN BY: V. Panavala

DATE: 4/26/2010

REV. G

SCALE: 3:2