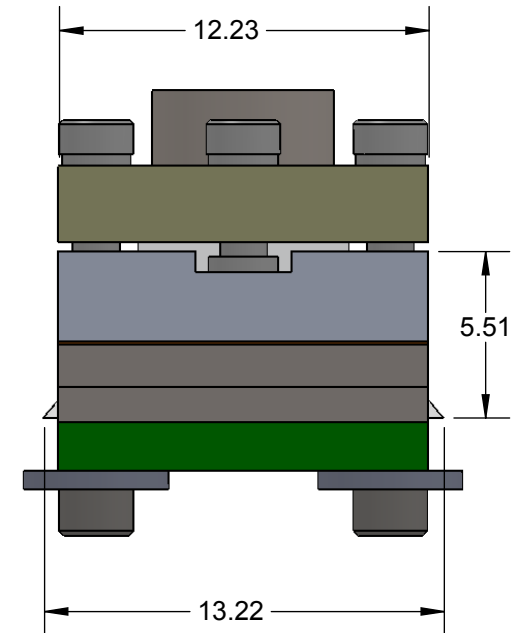
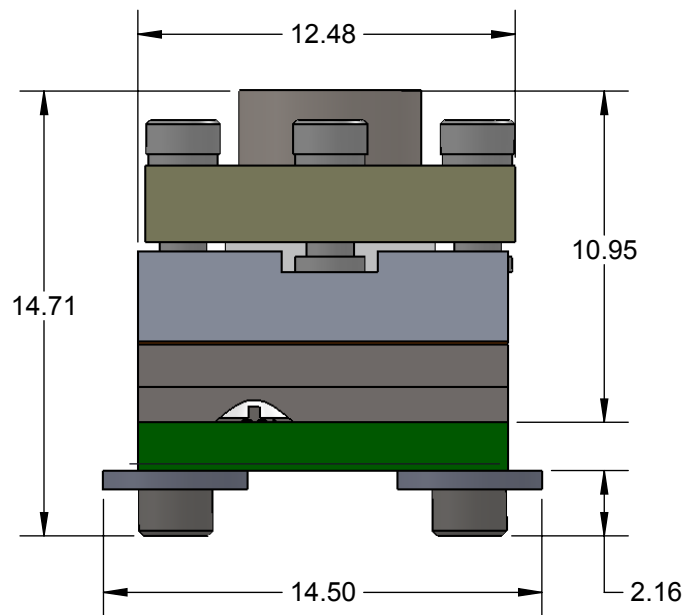
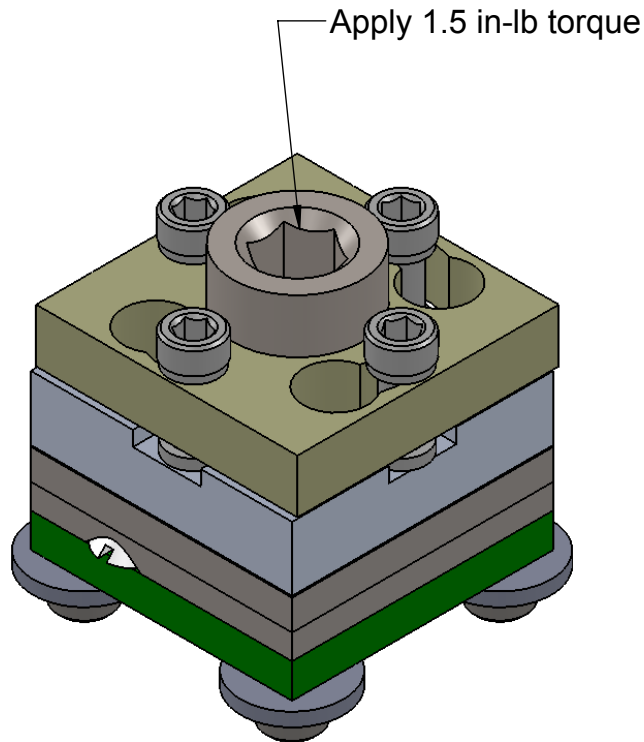


SBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

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



Description: Socket Spec

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-QFN-4006 Drawing



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

Material: N/A
Finish: N/A
Weight: 4.28

STATUS: Released

ENG: S. Faiz

FILE: SBT-QFN-4006 Dwg

SHEET: 1 OF 5

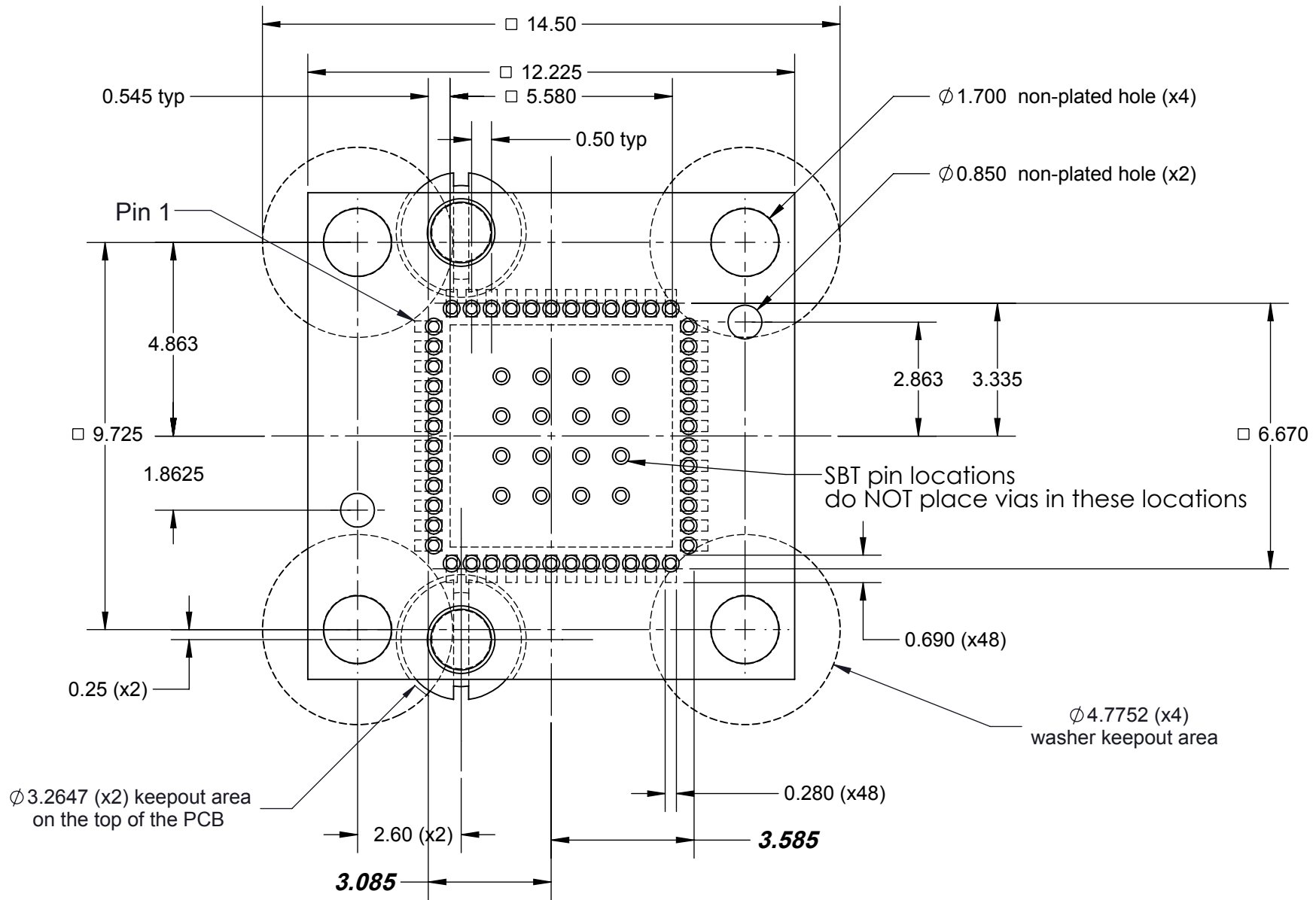
DRAWN BY: M. Raske

DATE: 7/13/2012

REV. B

SCALE: 4:1


***Note: QFN pattern is not symmetrical with respect to the mounting holes.**

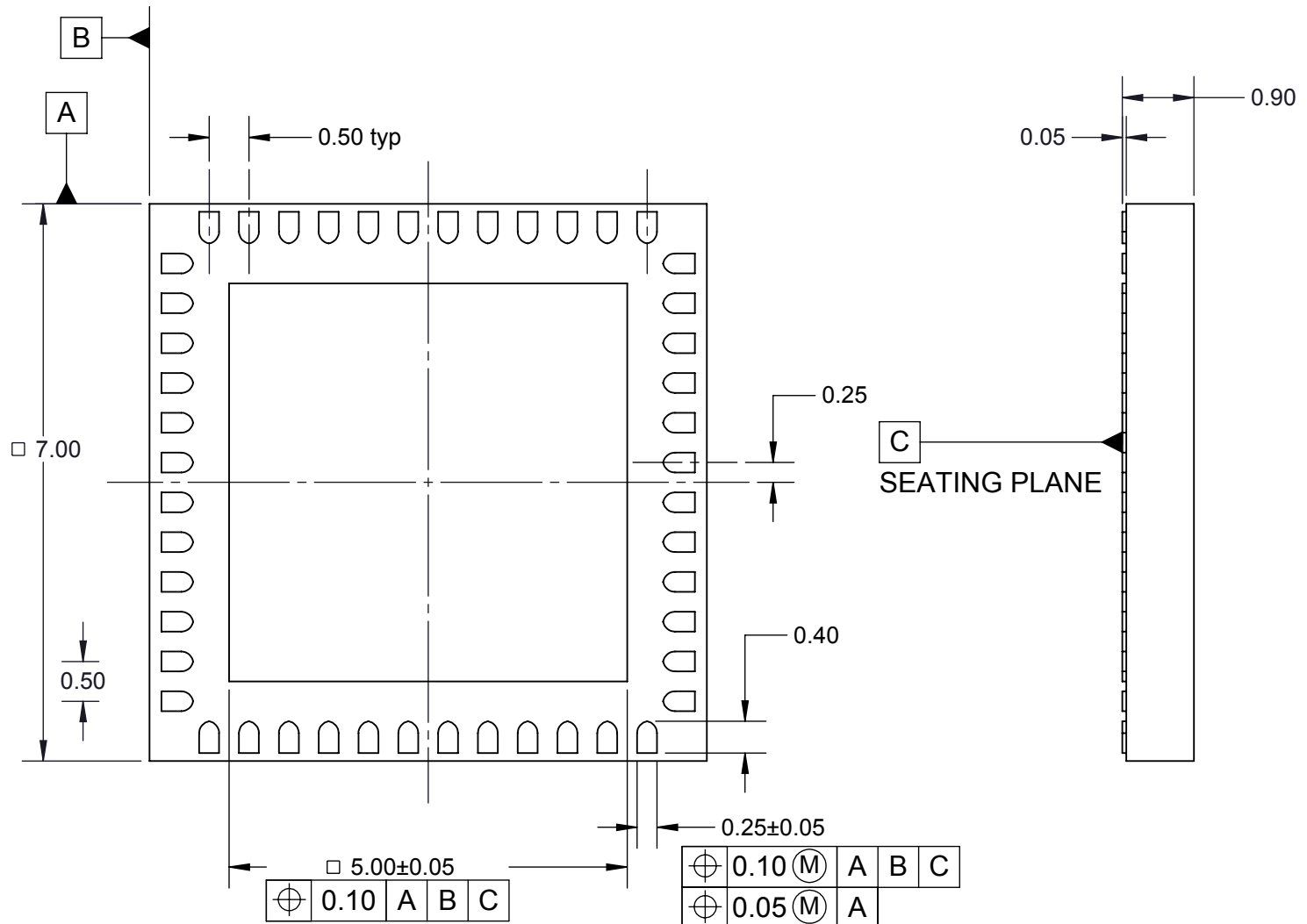


Description: Recommended Layout

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
 Tolerances: Hole diameters $\pm 0.03\text{mm}$ [± 0.001 "], Pitches (from true position) $\pm 0.025\text{mm}$ [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [± 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-QFN-4006 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 4.28	STATUS: Released ENG: S. Faiz FILE: SBT-QFN-4006 Dwg	SHEET: 2 OF 5 DRAWN BY: M. Raske DATE: 7/13/2012	REV. B SCALE: 7:1

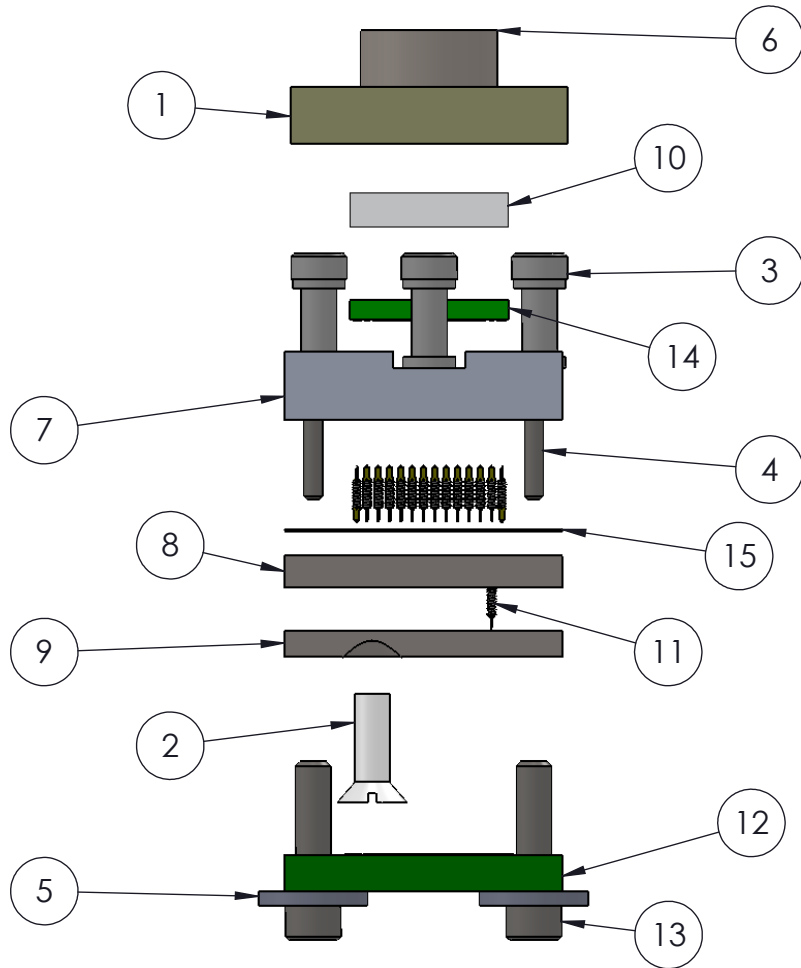


Description: QFN Spec

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.

 SBT-QFN-4006 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 4.28	STATUS: Released	SHEET: 3 OF 5	REV. B
		ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 12:1
		FILE: SBT-QFN-4006 Dwg	DATE: 7/13/2012	




ITEM NO.	DESCRIPTION	Material
1	Socket Lid 7mm Swl Ni plt	7075-T6, Plate (SS)
2	#0-80 X .188" LG FL HD, Slotted, Polypropylene	PP Homopolymer
3	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)
4	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
5	Washer, #0 x .025", Nylon	Nylon 6/6
6	Compression Screw M6x1	Stainless Steel (18-8)
7	Socket Base 7mm	7075-T6 Aluminum Alloy
8	QFN48 SBT Top Guide custom	PEEK Ceramic filled
9	QFN48 SBT Bottom Guide	PEEK Ceramic filled
10	Comp Plate 7mm 1.5mm thk	7075-T6 (SN)
11	SBT-LGA/QFN Pogo Pin, 0.5mm-0.8mm	Contact Mtrl: BeCu, Au Plated over Ni
12	Test PCB	FR4
13	#0-80 X .25 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
14	QFN48A chip	FR4
15	Pin Orientation Guide	Kapton Polyimide/Cirlex

Description: Socket exploded view

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-QFN-4006 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 4.28	STATUS: Released	SHEET: 4 OF 5	REV. B
		ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 3:1
		FILE: SBT-QFN-4006 Dwg	DATE: 7/13/2012	

Rev	Date	Initials	Description
A	07/13/12	MR	Original
B	4/17/14	ELS	Corrected number of mounting and alignment holes on page 2. Added dimensions for four washers keep out area to page 2. Added dimensions for two circular keepout areas on the top of the PCB to page 2. Added pin 1 location to page 2. Added pin orientation guide

Description: Modification History

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.

 <p>SBT-QFN-4006 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: Finish: Weight:</p>	STATUS: Released	SHEET: 5 OF 5	REV. B
		ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 3:1
		FILE: SBT-QFN-4006 Dwg	DATE: 7/13/2012	