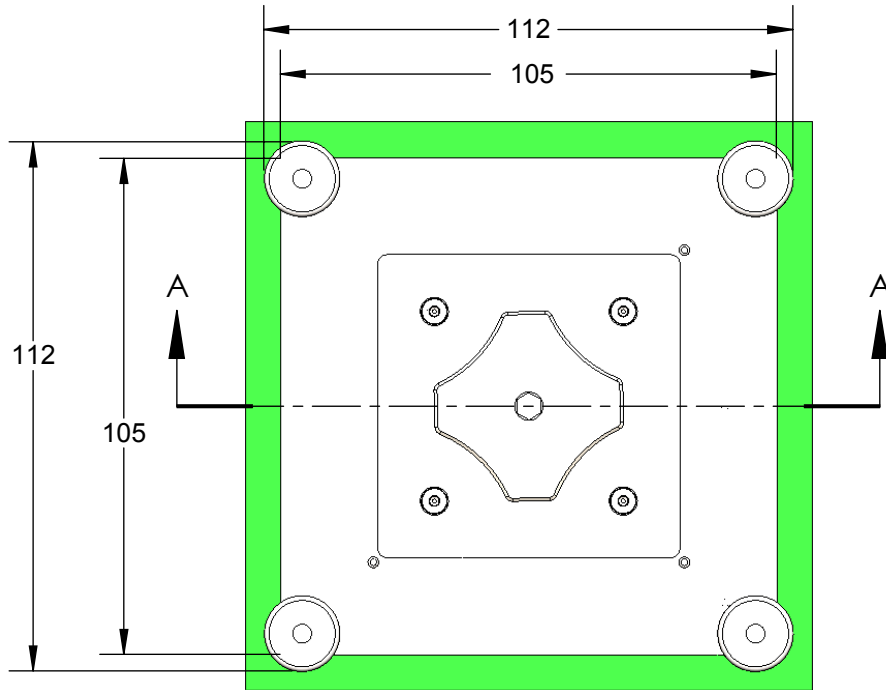


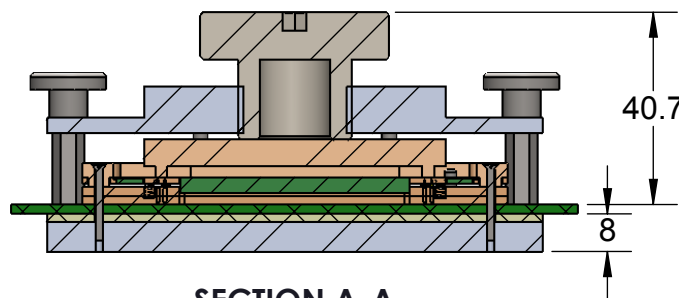
SBT-QFE DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

Features

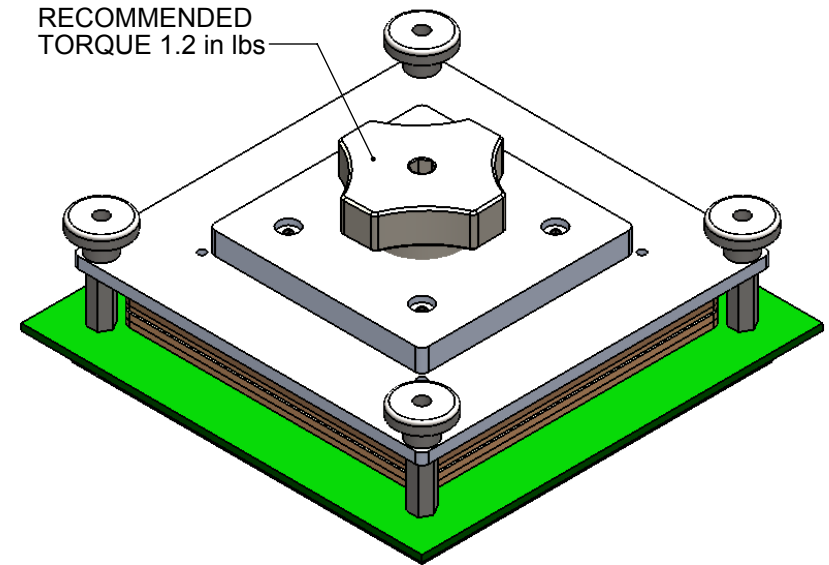
- Wide temperature range (-55C to +180C).
- High current capability (up to 4A).
- Excellent signal integrity at high frequencies.
- Low and stable contact resistance for reliable production yield.
- Highly compliant to accommodate wide co-planarity variations.
- Automated probe manufacturing enables low cost and short lead time.



TOP VIEW



SECTION A-A



Description: SBT Socket for unformed cavity up Actel CQFP352 package

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-QFE-3004 Drawing



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

Material: Material <not specified>
Finish:
Weight: 566.83

STATUS: Released

ENG: S. Faiz

FILE: SBT-QFE-3004 Dwg

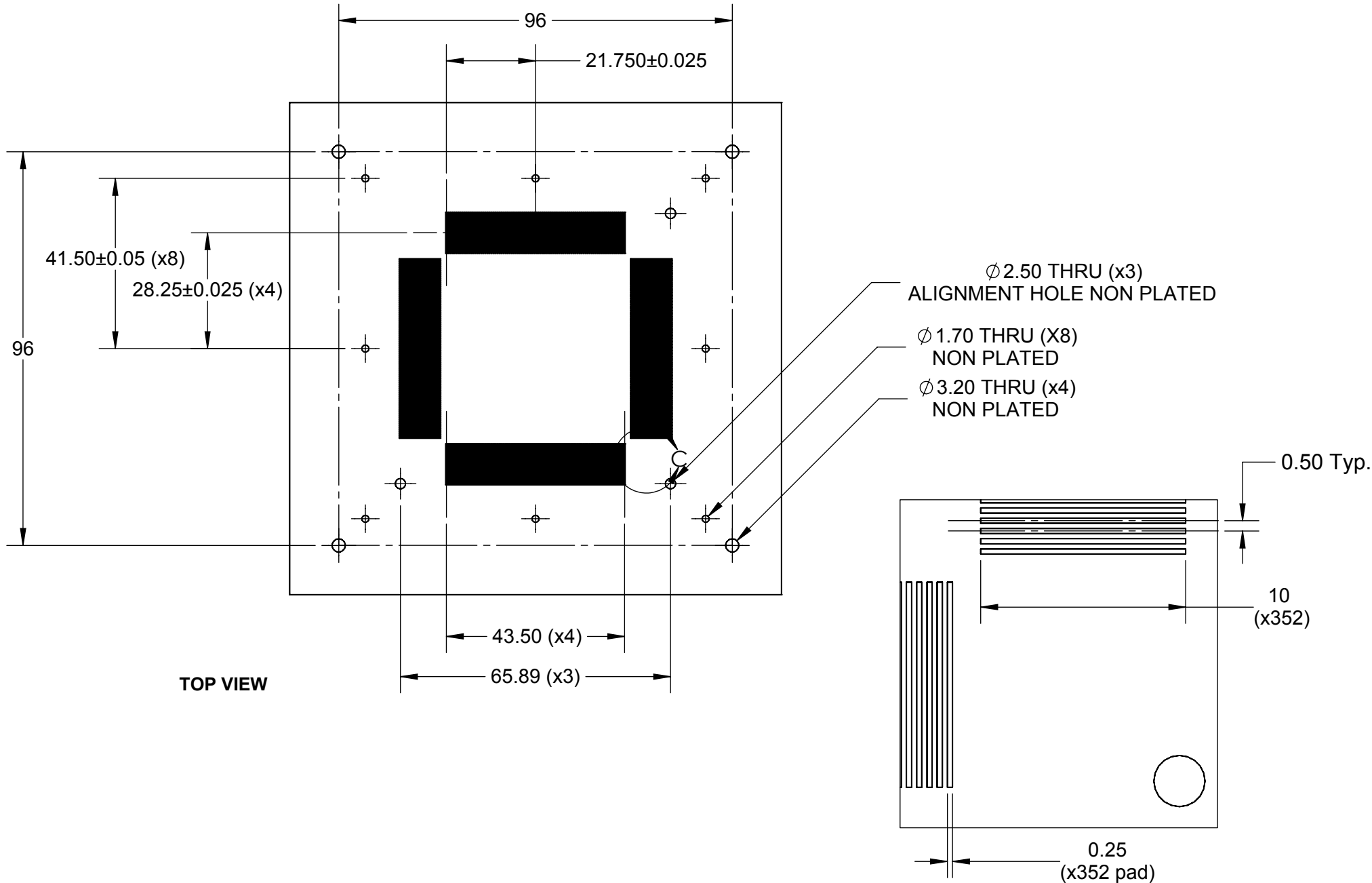
SHEET: 1 OF 4

DRAWN BY: M. Raske

DATE: 6/11/2014

REV. A

SCALE: 1.25:2



Description: Recommended Socket 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.

SBT-QFE-3004 Drawing



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

Material: Material <not specified>
Finish:
Weight: 566.83

STATUS: Released

ENG: S. Faiz

FILE: SBT-QFE-3004 Dwg

SHEET: 2 OF 4

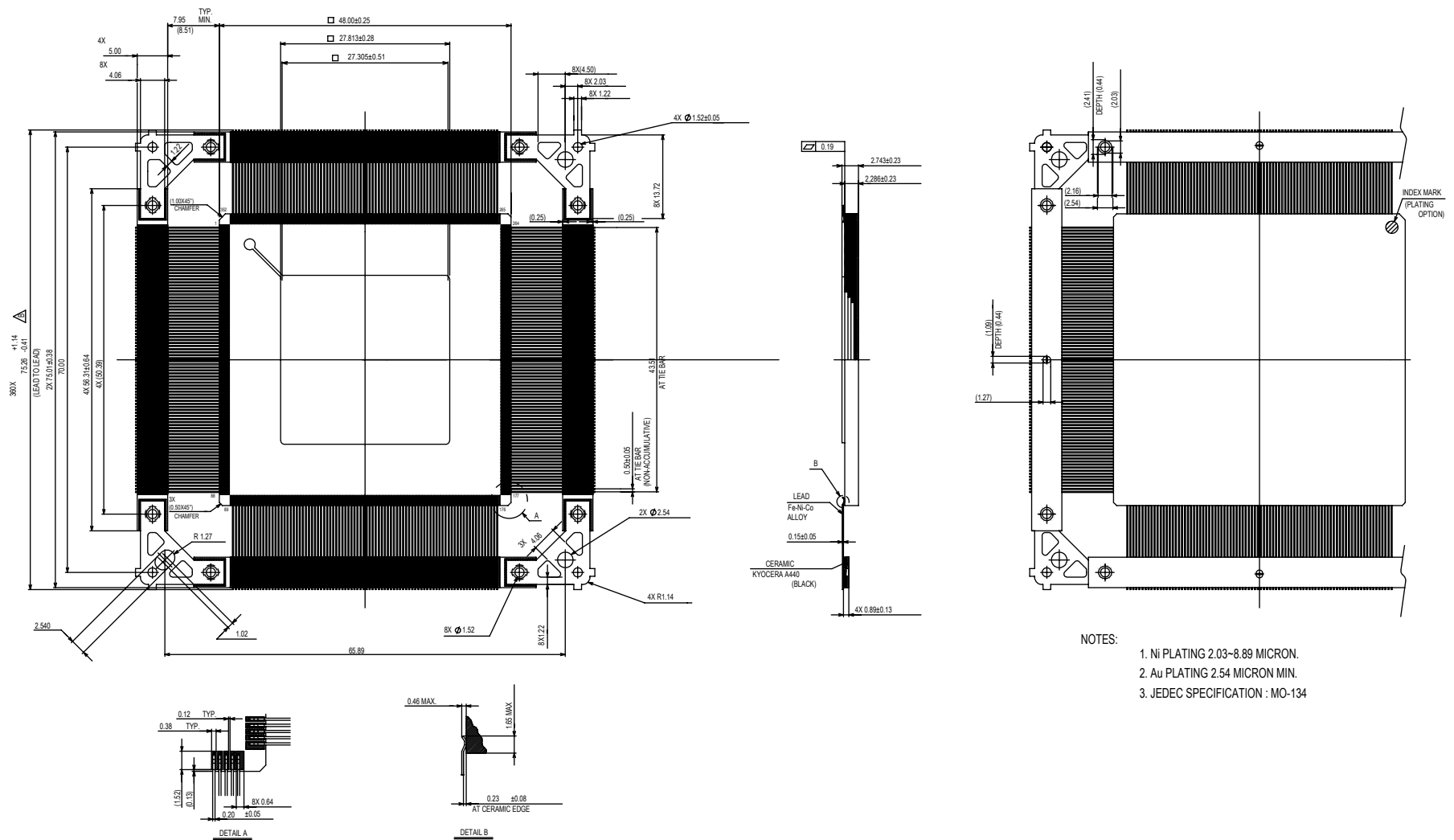
DRAWN BY: M. Raske

DATE: 6/11/2014

REV. A

SCALE: 0.8:1

IRONWOOD PACKAGE CODE: QFE352SC

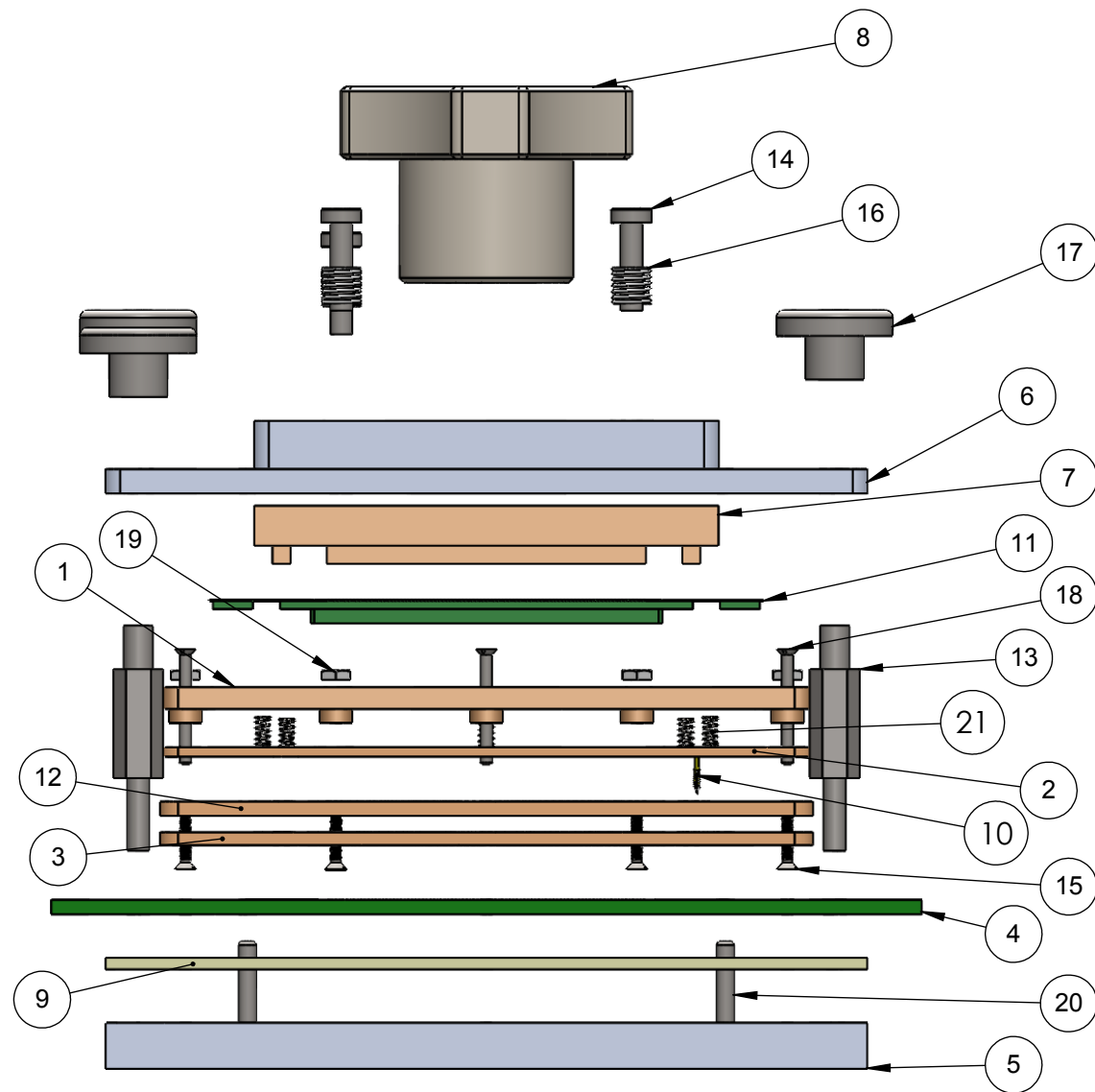


Description: Package Info

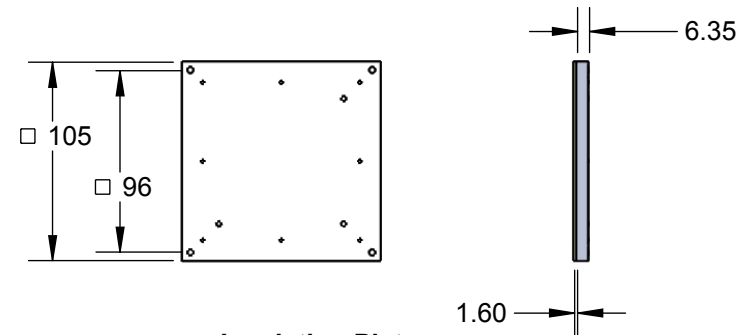
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

without notice.					
SBT-QFE-3004 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		Material: Finish: Weight:		STATUS: Released ENG: S. Faiz FILE: SBT-QFE-3004 Dwg	
				SHEET: 3 OF 4 DRAWN BY: M. Raske DATE: 6/11/2014	
				REV. A SCALE: 1:1	



ITEM NO.	DESCRIPTION	Material
1	IC guide	Torlon 4203
2	Floating Guide	Semitron MDS 100
3	Bottom Pogo Guide	Semitron MDS 100
4	Test Pcb for C8715	FR4
5	Backing Plate	7075-T6 Aluminum Alloy
6	Socket Lid	7075-T6 Aluminum Alloy
7	Compression Plate	Torlon 4203
8	Compression Screw	7075-T6 Aluminum Alloy
9	Insulation Plate	FR4
10	Pogo Pin, 1mm Pitch SBT BGA pin	
11	Test Chip	Material <not specified>
12	Middle Pogo Guide	Semitron MDS 100
13	Spacer, M3 - M4 x 15mm, Hex, 304 Stainless Steel	AISI 304
14	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
15	Screw, 0-80 x 5/16" flat, SS	Stainless Steel (18-8)
16	Spring Clamshell lid assembly	Steel Music Wire
17	Knurled Thumb Nut M4 Size, 16mm Head Dia, 9.5mm O'all H	Stainless Steel (18-8)
18	18-8 SS, Flat hd, Slotted, 0-80, 5/8" lg	Stainless Steel (18-8)
19	Nut, #0-80, SS	Stainless Steel (18-8)
20	Dowel pin 18-8 SS, 3/32" Diameter, 5/8" Length McMaster: 90145A440	Stainless Steel (18-8)
21	Floating Guide Spring	Alloy Steel (SS)



Insulation Plate
Scale 1:4

Description: Socket Assy, Detail

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-QFE-3004 Drawing



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

Material: Material <not specified>
Finish:
Weight: 566.83

STATUS: Released

ENG: S. Faiz

FILE: SBT-QFE-3004 Dwg

SHEET: 4 OF 4

DRAWN BY: M. Raske

DATE: 6/11/2014

REV. A

SCALE: 1:1