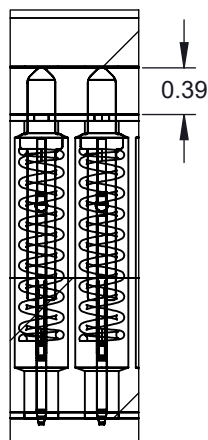
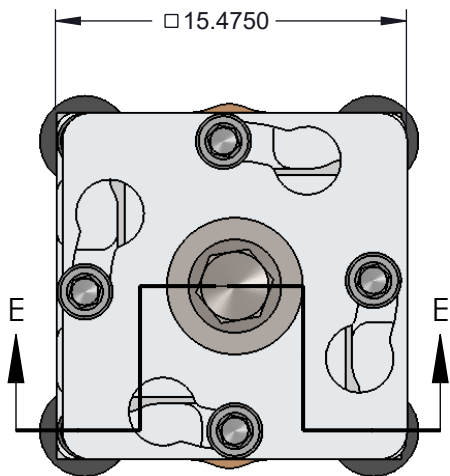


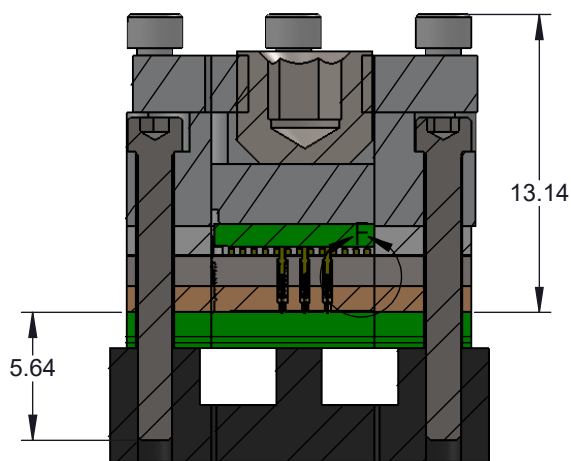
SBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

Features

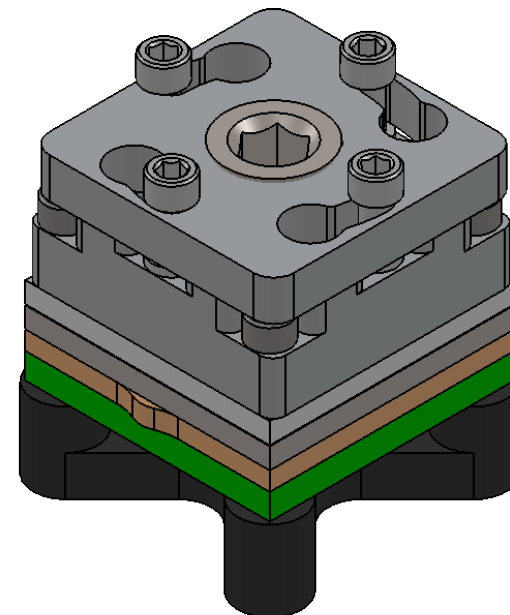
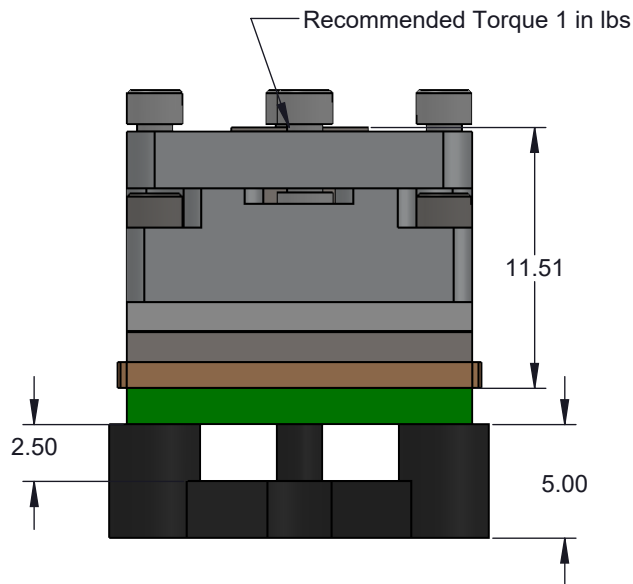
- Wide temperature range (-55C to +180C).
- High current capability (up to 4A).
- Excellent signal integrity at high frequencies.
- Low and stable contact resistance for reliable production yield.
- Highly compliant to accommodate wide co-planarity variations.
- Automated probe manufacturing enables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



DETAIL F
SCALE 16 : 1




SECTION E-E



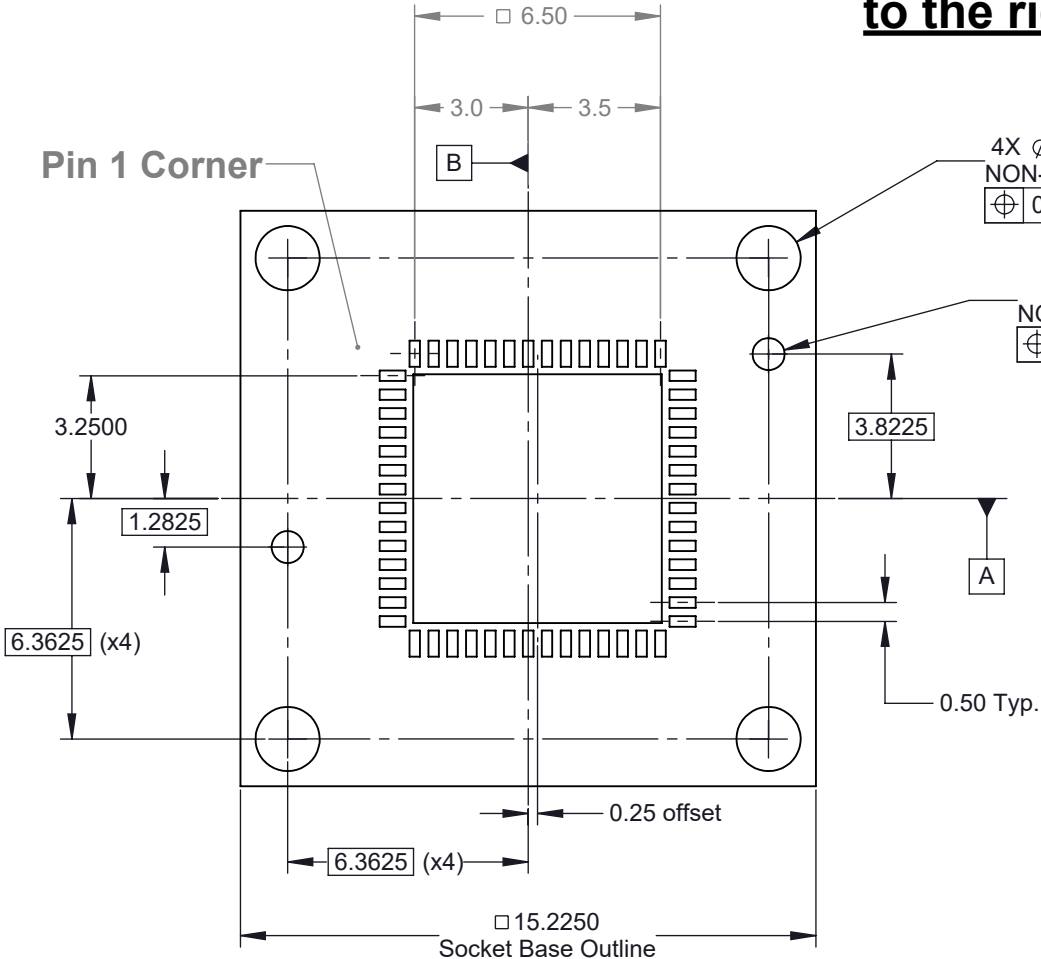
Description: CBT-QFN56A socket 8x8mm 0.5mm pitch

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

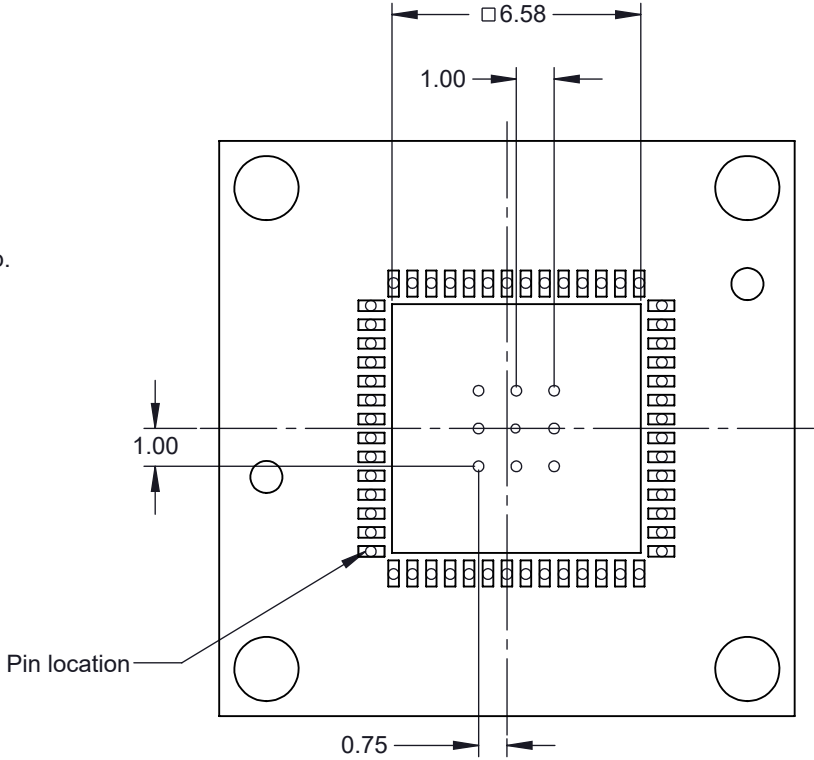
Tolerances: Hole diameters $\pm 0.03\text{mm}$ [± 0.001 "], Pitches (from true position) $\pm 0.025\text{mm}$ [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without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

 <p>SBT-QFN-4019 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: N/A Finish: N/A Weight: 8.45</p>	STATUS: Released	SHEET: 1 OF 4	REV. D
		ENG:	DRAWN BY: V. Panavala	SCALE: 3:1
		FILE: SBT-QFN-4019	DATE: 8/6/2012	

***Note: QFN footprint pattern is shifted by 0.25 to the right with respect to the mounting holes.**




Target PCB Recommendations
 Total thickness: 1.5mm min.
 Plating: Gold or Solder finish

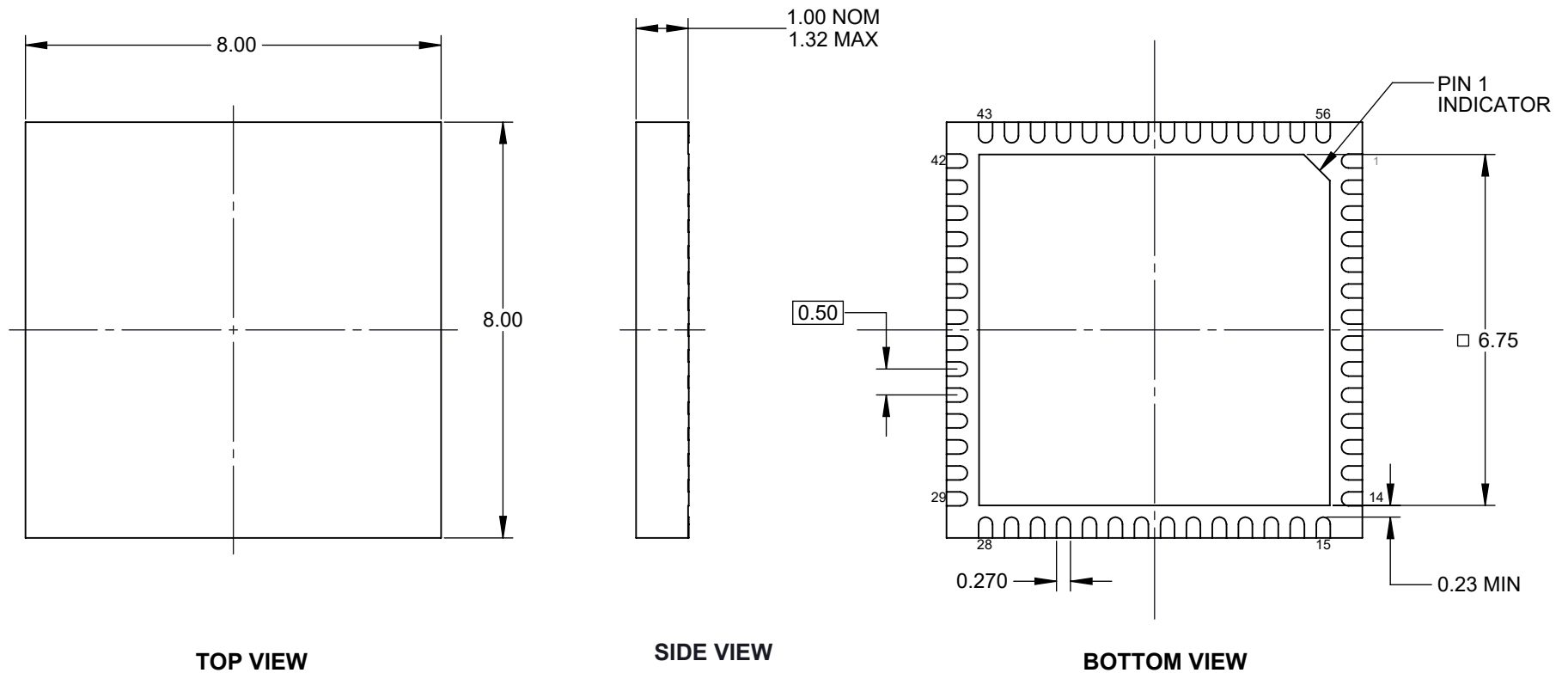


Description: Recommended PCB layout

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
 Tolerances: Hole diameters \pm 0.03mm [\pm 0.001"], Pitches (from true position) \pm 0.025mm [\pm 0.001"], substrate thickness tolerance \pm 10%, all other tolerances \pm 0.13mm [\pm 0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

 <p>SBT-QFN-4019 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	Material: N/A Finish: N/A Weight: 8.45	STATUS: Released ENG:	SHEET: 2 OF 4 DRAWN BY: V. Panavala	REV. D SCALE: 5:1
		FILE: SBT-QFN-4019	DATE: 8/6/2012	

IRONWOOD PACKAGE CODE: QFN56A




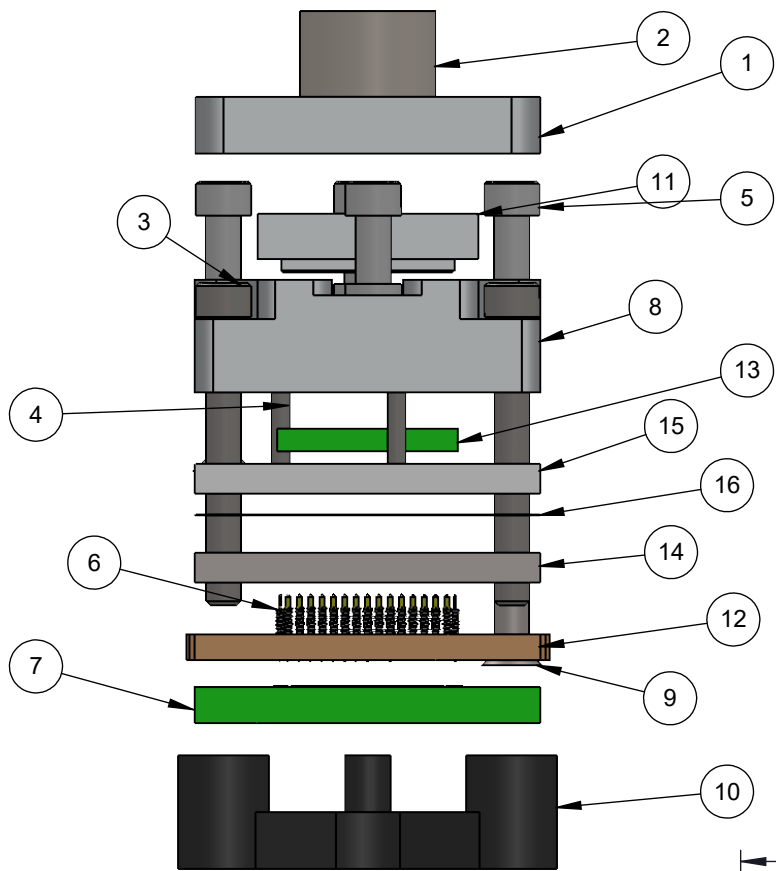
1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.

Description: QFN

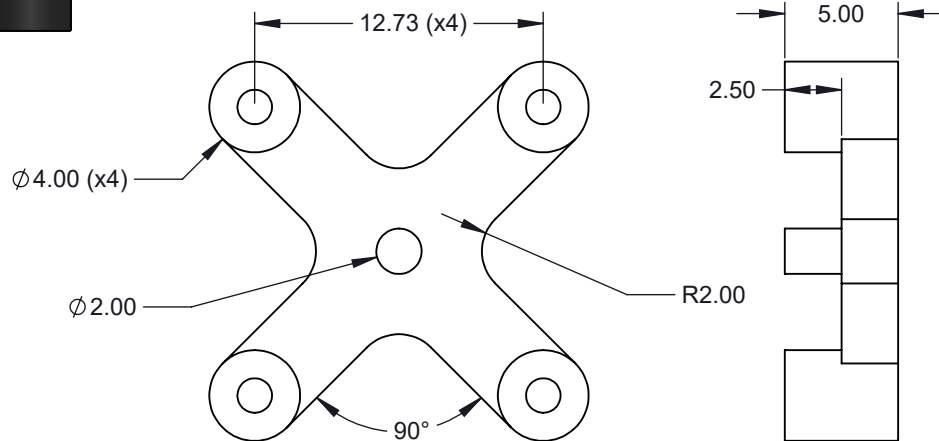
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

 SBT-QFN-4019 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 8.45	STATUS: Released	SHEET: 3 OF 4	REV. D
		ENG:	DRAWN BY: V. Panavala	SCALE: 8:1
		FILE: SBT-QFN-4019	DATE: 8/6/2012	



ITEM NO.	DESCRIPTION	Material
1	Socket Lid	7075-T6 Aluminum Alloy
2	Compression Screw M6x1	Stainless Steel (18-8)
3	#0-80 x 0.5, SH Cap Screw	Alloy Steel
4	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
5	#0-80 Shoulder Screw, 1.59mm thread length	Stainless Steel (303)
6	SBT-LGA/QFN Pogo Pin, 0.5mm-0.8mm	Contact Mtrl: BeCu, Au Plated over Ni
7	PCB QFN56A 8x8mm IC 0.5mm pitch	Material <not specified>
8	Socket Base 10mm SBT 5mm 0.25mm offset	7075-T6 Alumium Alloy
9	#0-80, 90 deg., head pin guide screw, Peek material 5.5715mm overall Length	PEEK unfilled
10	10x10mm 5 post backing plate	7075-T6 Aluminum Alloy
11	Compression Plate 8x8mm SBT QFN	7075-T6 Alumium Alloy
12	Btm guide QFN56A 0.5mm	Semitron MDS 100
13	QFN56A IC 8x8mm 0.5mm pitch	Material <not specified>
14	top guide QFN56A 0.5mm	PEEK Ceramic filled
15	IC Guide 8x8mm SBT	GC-100
16	Pin ornt gde QFN56A 0.5mm	Kapton Polyimide/Cirlex



Description: CBT-QFN56A socket 8x8mm 0.5mm pitch

BACKING PLATE

Primary dimension units are millimeters, Secondary dimension units are [inches].

Tolerances: diameters $\pm 0.03\text{mm}$ [± 0.001 "], PCB perimeters $\pm 0.13\text{mm}$ [± 0.005 "], PCB thicknesses $\pm 0.18\text{mm}$ [± 0.007 "], pitches (from true position) $\pm 0.08\text{mm}$ [± 0.003 "], all other tolerances $\pm 0.13\text{mm}$ [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without notice.

Rev	Date	Initials	Description
A	08/06/12	VP	Original
B	02/19/14	DH	Changed current rating on pin
C	09/22/14	DH	Change IC Guide material to Torlon
D	9/16/15	MR	M2628 was M1909, R3200 was R3182, R1486 was R1438 per redline

SBT-QFN-4019 Drawing

STATUS: Released

SHEET 4 OF 4

REV. D



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

WEIGHT: 8.45
MATERIAL: N/A
FINISH: N/A

DRAWN BY: V. Panavala

SCALE: 3:1

File: SBT-QFN-4019

DATE: 8/6/2012