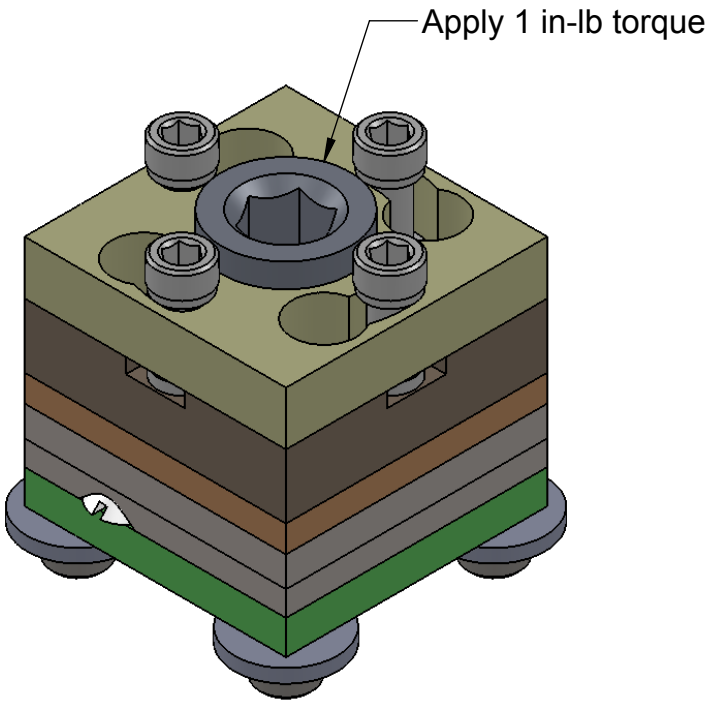
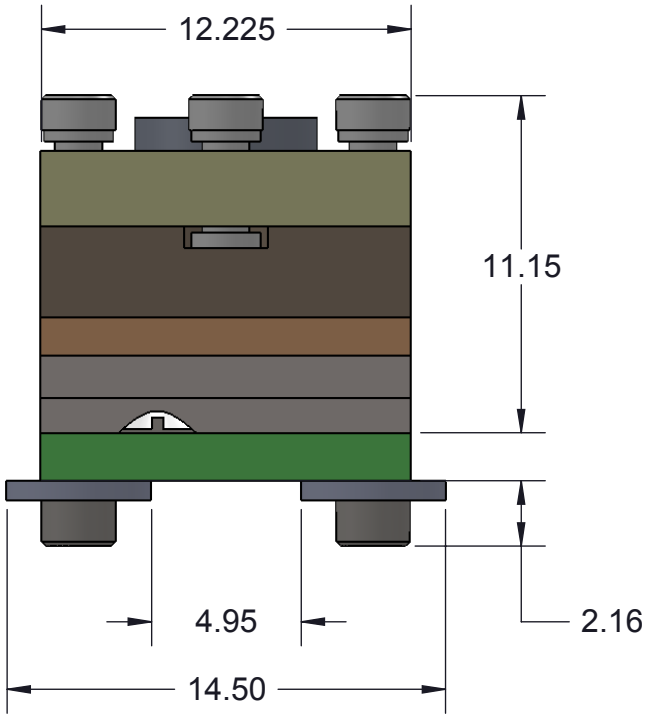
SBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

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



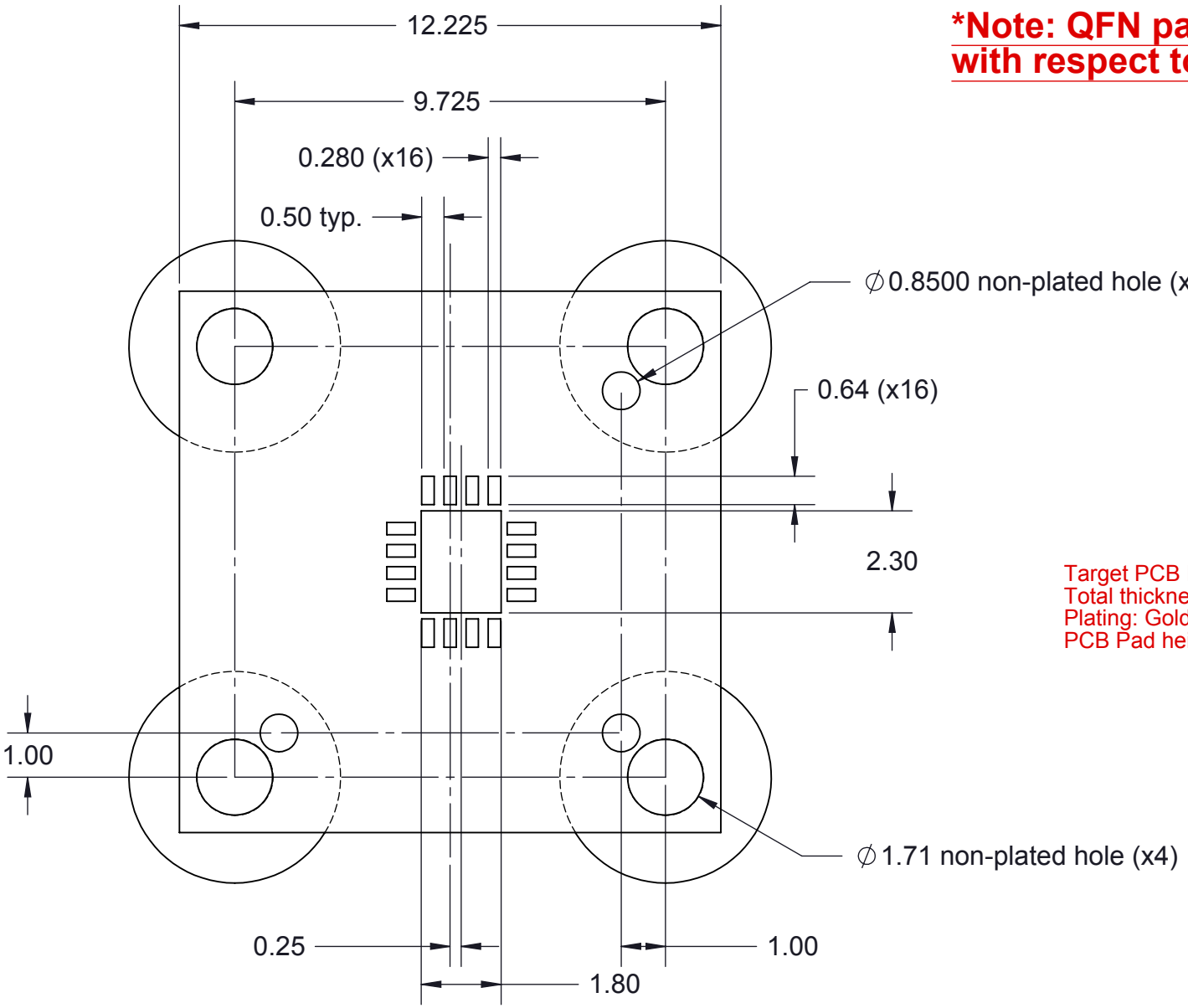


Description: Socket Spec

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

Tolerances: Hole diameters ±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-4010 Drawing	Material: N/A Finish: N/A Weight: 4.03	STATUS: Released	SHEET: 1 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: S.Delano	SCALE: 4:1	
		FILE: SBT-QFN-4010 Dwg	DATE: 11/17/2010	



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

Target PCB Recommendations
Total thickness: 1.6mm min.
Plating: Gold or Solder finish
PCB Pad height: Same or higher than solder mask

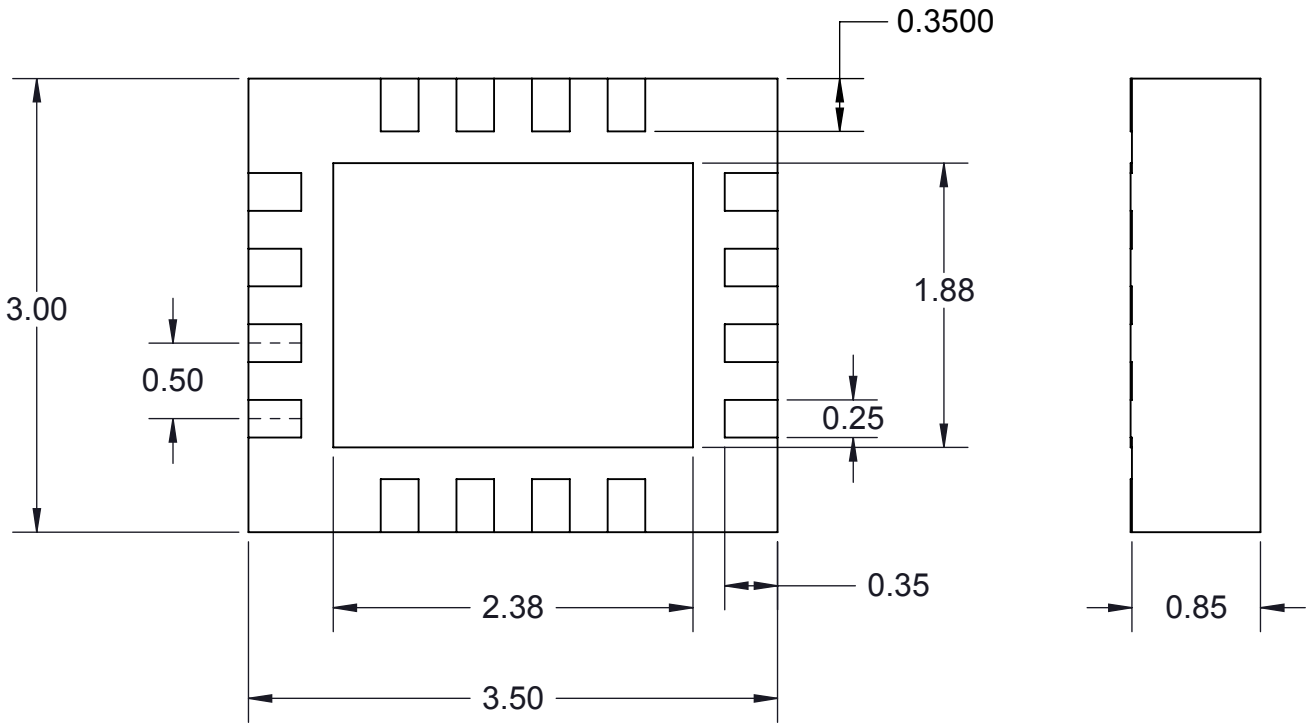
Description: Recommended Layout

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-QFN-4010 Drawing	Material: N/A Finish: N/A Weight: 4.03	STATUS: Released	SHEET: 2 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: S.Delano	SCALE: 7:1	
		FILE: SBT-QFN-4010 Dwg	DATE: 11/17/2010	

Ironwood Package Code: QFN16F

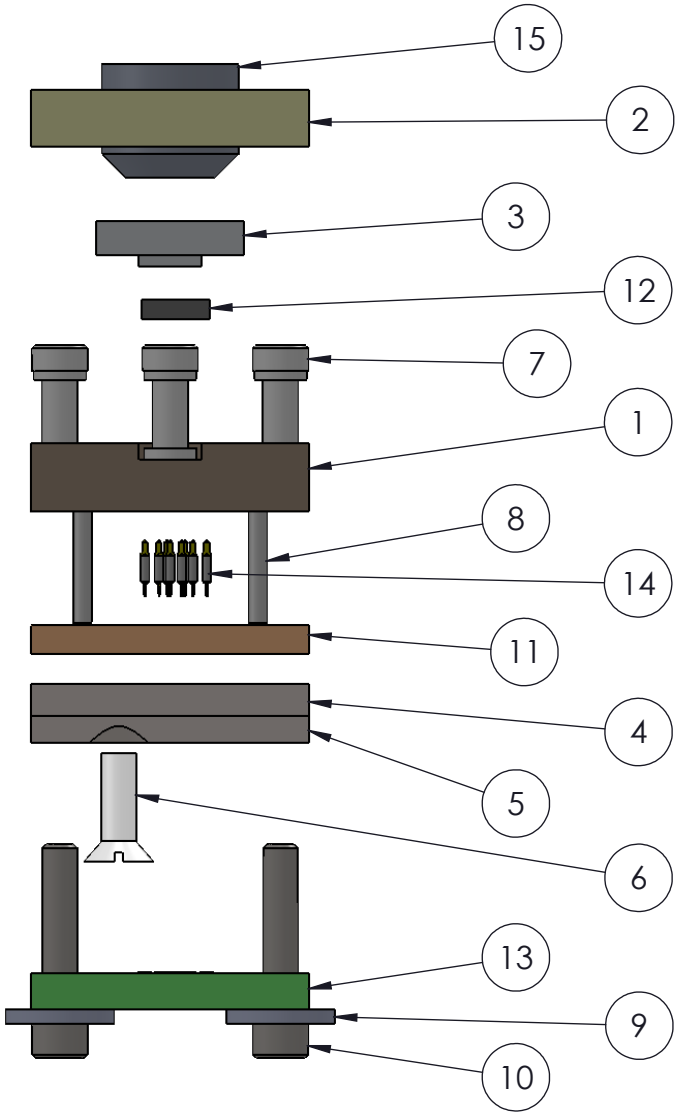


Description: QFN Spec

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-4010 Drawing	Material: Material <not specified> Finish: XXXX Weight: 0.01	STATUS: Released	SHEET: 3 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: S.Delano	SCALE: 15:1	
		FILE: SBT-QFN-4010 Dwg	DATE: 11/17/2010	



ITEM NO.	DESCRIPTION	Material
1	Socket base for 4mm IC	7075-T6 Aluminum Alloy
2	Socket Lid 7mm Swl Ni plt	7075-T6, Plate (SS)
3	Compression Plate 7mm, 1.5mm thick	7075-T6 (SN)
4	QFN16 SBT Top Guide custom	PEEK Ceramic filled
5	QFN16 SBT Bottom Guide	PEEK Ceramic filled
6	#0-80 X .188" LG FL HD, Slotted, Polypropylene	PP Homopolymer
7	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)
8	Dowel pin, 1/32" X .25", SS	Chrome Stainless Steel
9	Washer, #0 x .025", Nylon	Nylon 6/6
10	#0-80 X .313 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
11	IC guide QFN16 3mm x 3.5mm x 0.085mm thick	Ultem 1000
12	Customers IC, QFN16	Material <not specified>
13	Customers Target PCB	Material <not specified>
14	SBT-LGA/QFN Pogo Pin, 0.5mm-0.8mm	Contact Mtrl: BeCu, Au Plated over Ni
15	Compression Screw M6x1	7075-T6 Aluminum Alloy

Description: Socket exploded view

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

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SBT-QFN-4010 Drawing	Material: N/A Finish: N/A Weight: 4.03	STATUS: Released	SHEET: 4 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: S.Delano	SCALE: 3:1	
		FILE: SBT-QFN-4010 Dwg	DATE: 11/17/2010	