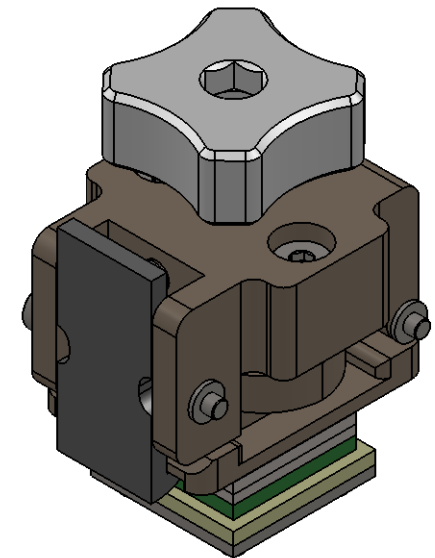
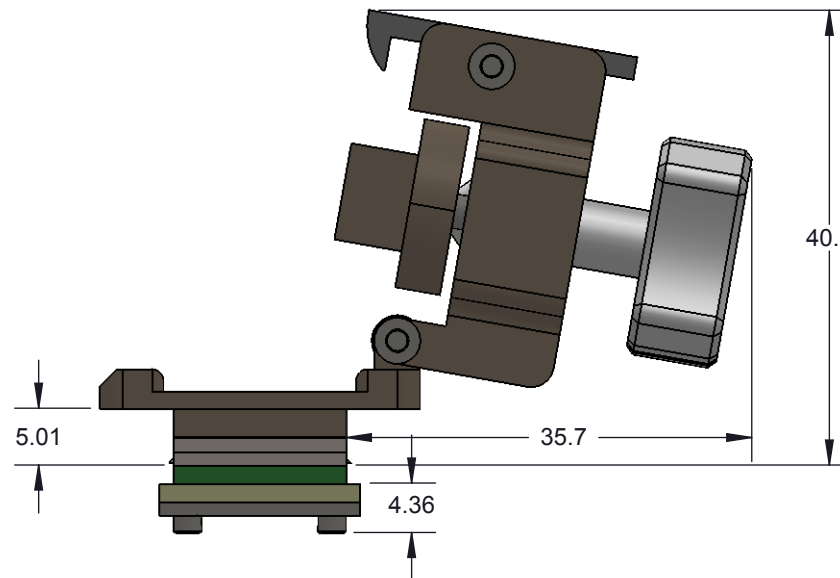
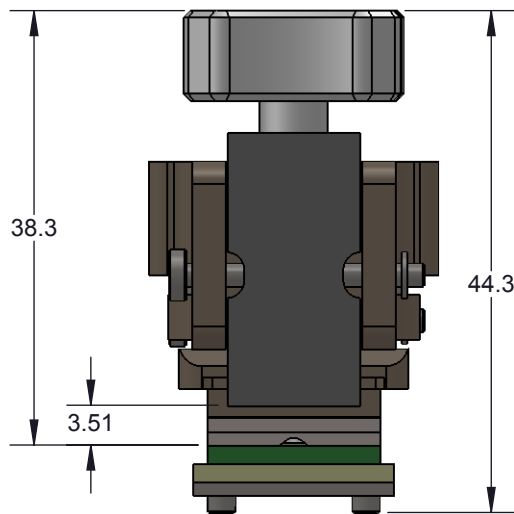
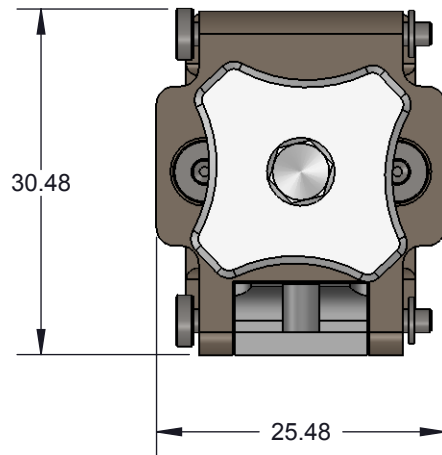


CBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

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

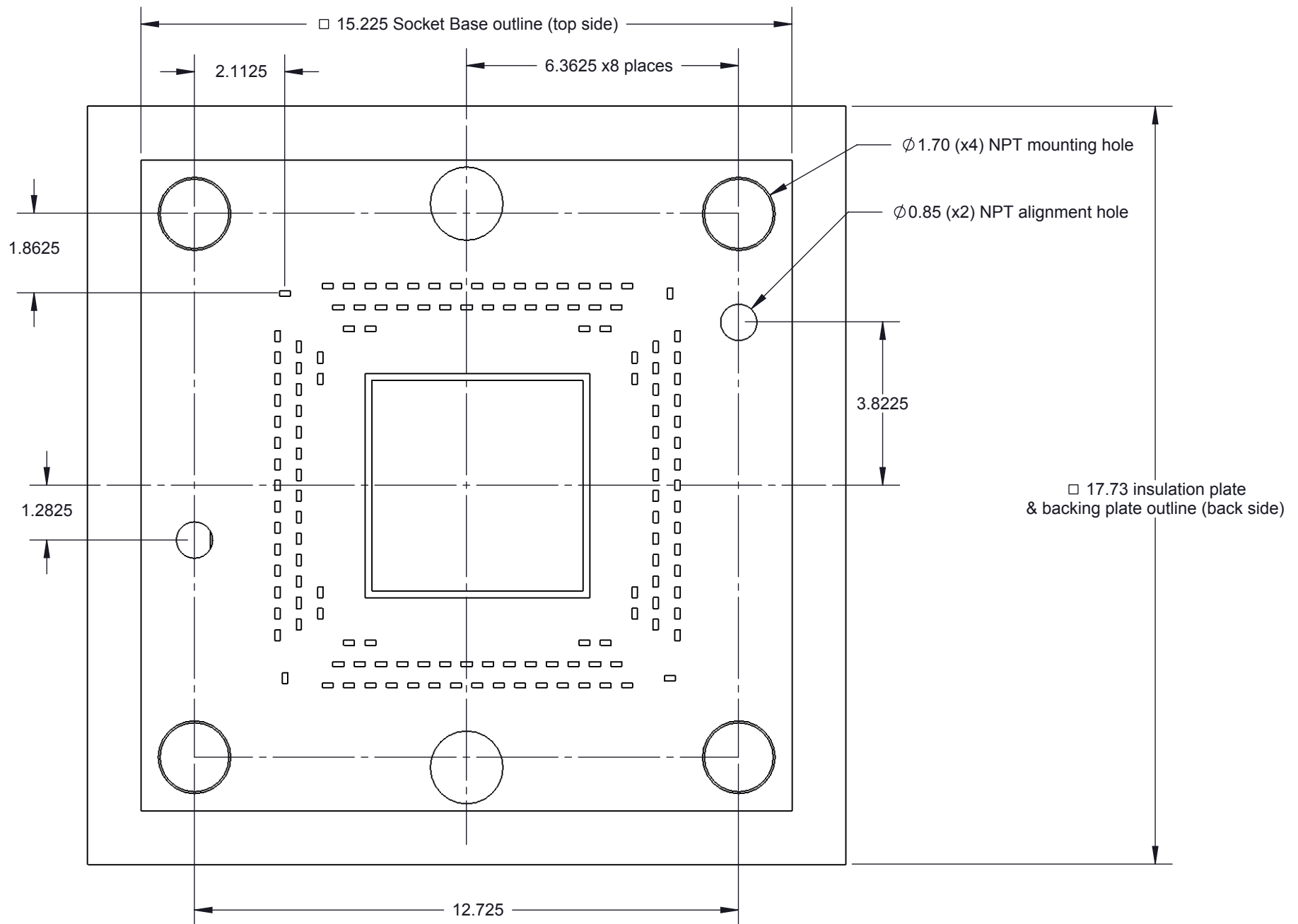


Description: CBT-QFN136 10mm 0.5mm pitch 10 x 10 x 0.85mm

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.


CBT-QFN-7011 Drawing		Material: N/A Finish: N/A Weight: 42.93	STATUS: Released	SHEET: 1 OF 5	REV. B
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		ENG: E. Smolentseva	DRAWN BY: S.Delano	SCALE: 3:2
			FILE: CBT-QFN-7011 Dwg	DATE: 11/15/10	

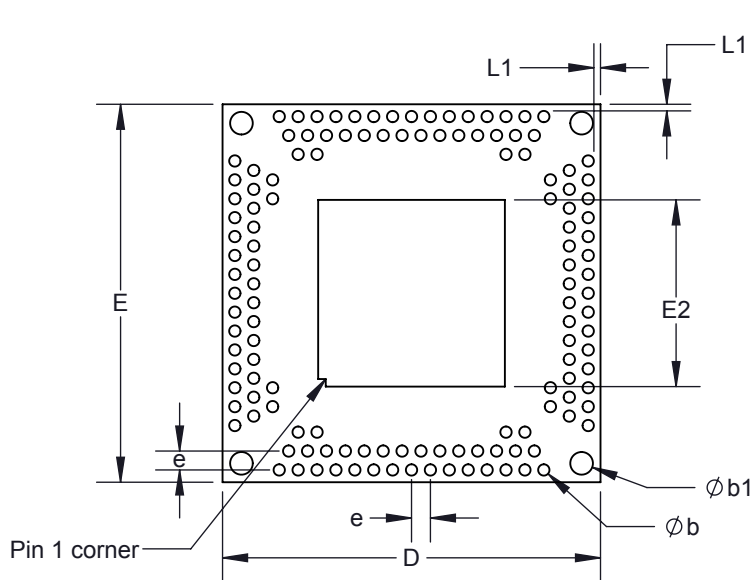


Description: Recommended PCB Layout

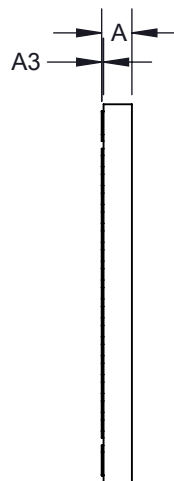
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

CBT-QFN-7011 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 42.93	STATUS: Released ENG: E. Smolentseva FILE: CBT-QFN-7011 Dwg	SHEET: 2 OF 5 DRAWN BY: S.Delano DATE: 11/15/10	REV. B SCALE: 8:1



Bottom view




Side view

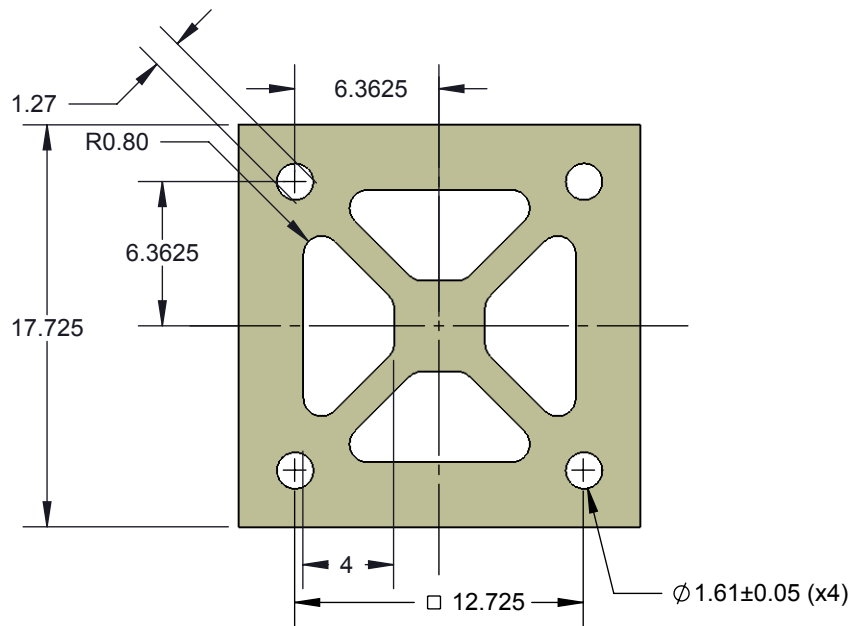
DIM	Minimum	Maximum
A		0.85
A3	0.020	0.080
b	0.250	0.350
b1	0.550	0.650
D	10.0 BSC	
D2	4.89	4.99
E	10.0 BSC	
E2	4.89	4.99
L1	0.125	0.225
e	0.5 BSC	
PAD COUNT		136 + center pad

Description: Compatible QFN

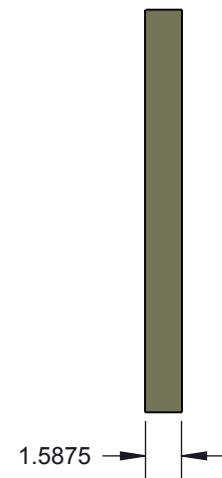
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

 CBT-QFN-7011 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 42.93	STATUS: Released	SHEET: 3 OF 5	REV. B
		ENG: E. Smolentseva	DRAWN BY: S.Delano	SCALE: 5:1
		FILE: CBT-QFN-7011 Dwg	DATE: 11/15/10	



TOP VIEW



SIDE VIEW




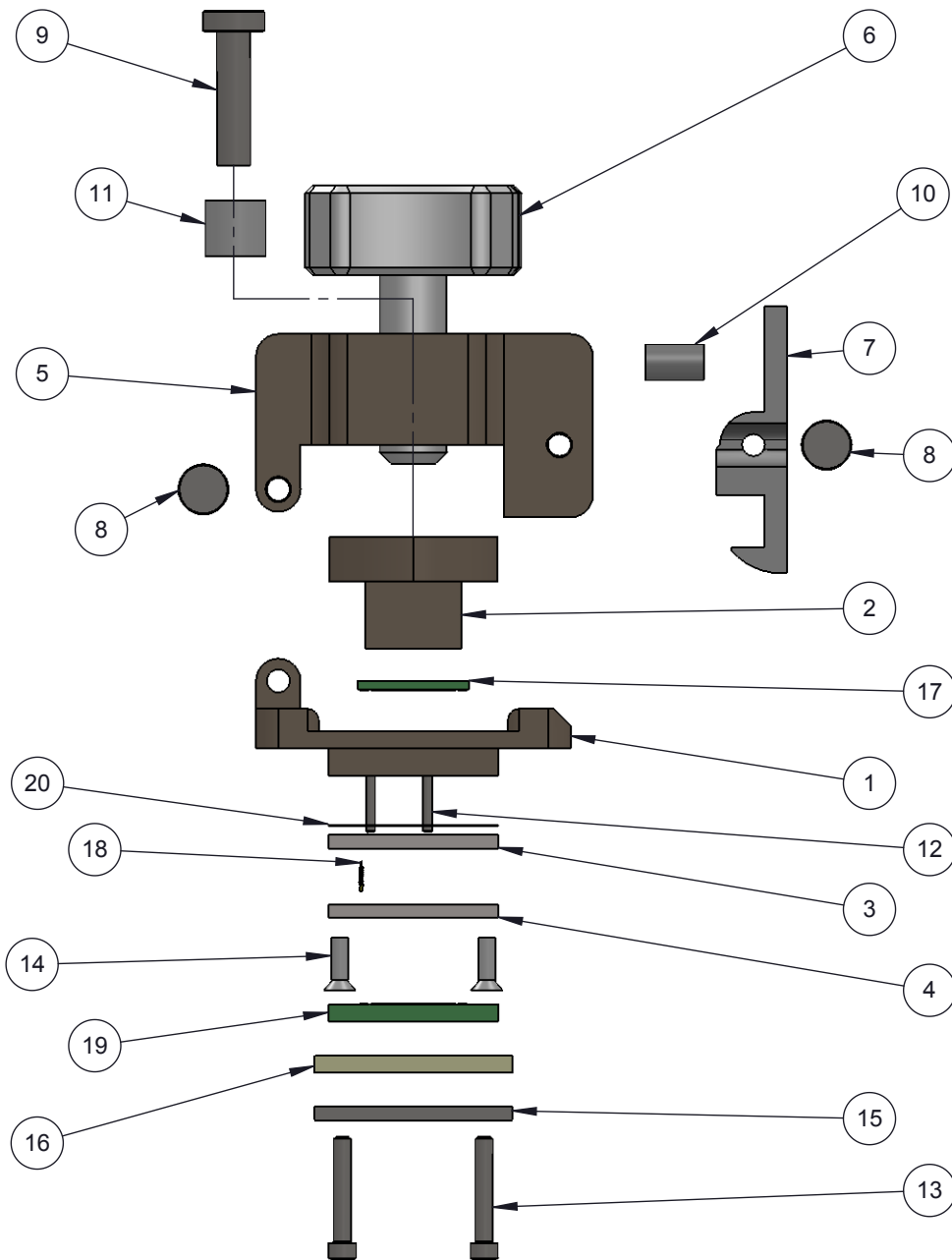
SBT PIN(scale 20:1)

Description: Insulation Plate, Pin 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.

CBT-QFN-7011 Drawing		STATUS: Released	SHEET: 4 OF 5	REV. B
 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A	ENG: E. Smolentseva	DRAWN BY: S.Delano	SCALE: 3:1
	Finish: N/A	FILE: CBT-QFN-7011 Dwg	DATE: 11/15/10	
Weight: 42.93				




ITEM NO.	DESCRIPTION	Material
1	CBT Socket Base 10mm	7075-T6 Aluminum Alloy
2	CBT Compression Plate 10mm IC	7075-T6 Aluminum Alloy
3	QFN136 SBT Top Guide	PEEK Ceramic filled
4	QFN136 SBT Bottom Guide	PEEK Ceramic filled
5	Clam Shell Socket Lid 10mm IC	7075-T6 Aluminum Alloy
6	M6x1 fluted knob compression screw, Ni plated	7075-T6 Aluminum Alloy
7	Latch 6- 10mm Ni plated	7075-T6 Aluminum Alloy
8	Hinge Pin and Snap Ring, 2mm OD, 19mm long, SS	Stainless Steel (ferritic)
9	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
10	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
11	Spring Clamshell lid assembly	Steel Music Wire
12	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
13	#0-80 X .375 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
14	Screw, #0-80 X .188", Flat, SS	Stainless Steel (18-8)
15	Backing Plate 10mm IC 1.25mm thick, Stainless Steel	Stainless Steel (ferritic)
16	Insulation Plate	FR4 High temp
17	IC, QFN136 10 x 10 x 0.9mm	High Temp FR4
18	SBT-LGA/QFN Pogo Pin, 0.5mm-0.8mm	Contact Mtrl: BeCu, Au Plated over Ni
19	Target PCB	High Temp FR4
20	Pin orientation guide QFN136	Kapton Polyimide

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.

CBT-QFN-7011 Drawing		STATUS: Released		SHEET: 5 OF 5		REV. B	
 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 42.93	ENG: E. Smolentseva		DRAWN BY: S.Delano		SCALE: 3:2	
		FILE: CBT-QFN-7011 Dwg		DATE: 11/15/10			