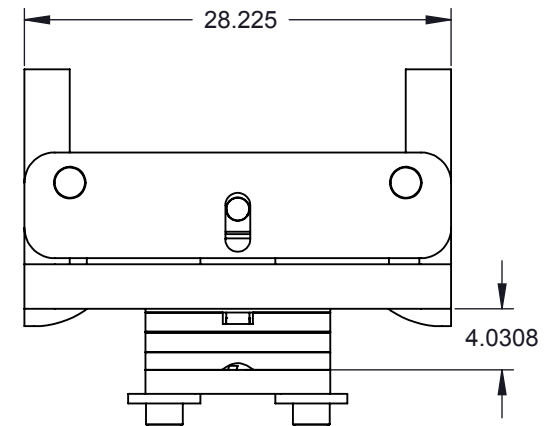
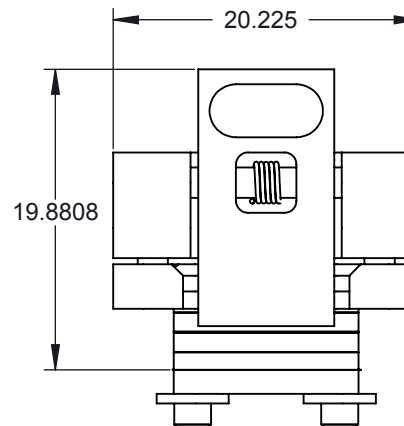
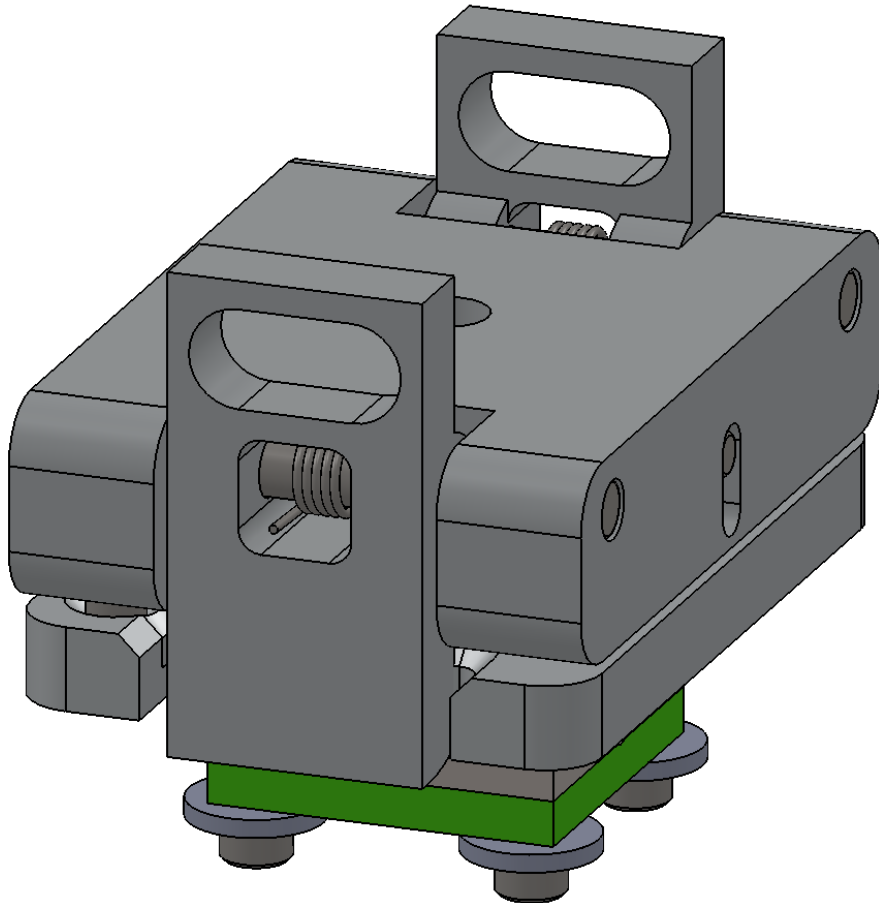


CBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

Features

- Wide temperature range (-55C to +155C).
- High current capability (up to 2.5A).
- 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-QFN36, 6x5mm, 0.5mm pitch w/ snapped lid, thermocouple hole

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

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-7009 Drawing



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

Material: N/A
Finish: N/A
Weight: 16.26

STATUS: Released

DRAWN BY: M. Raske

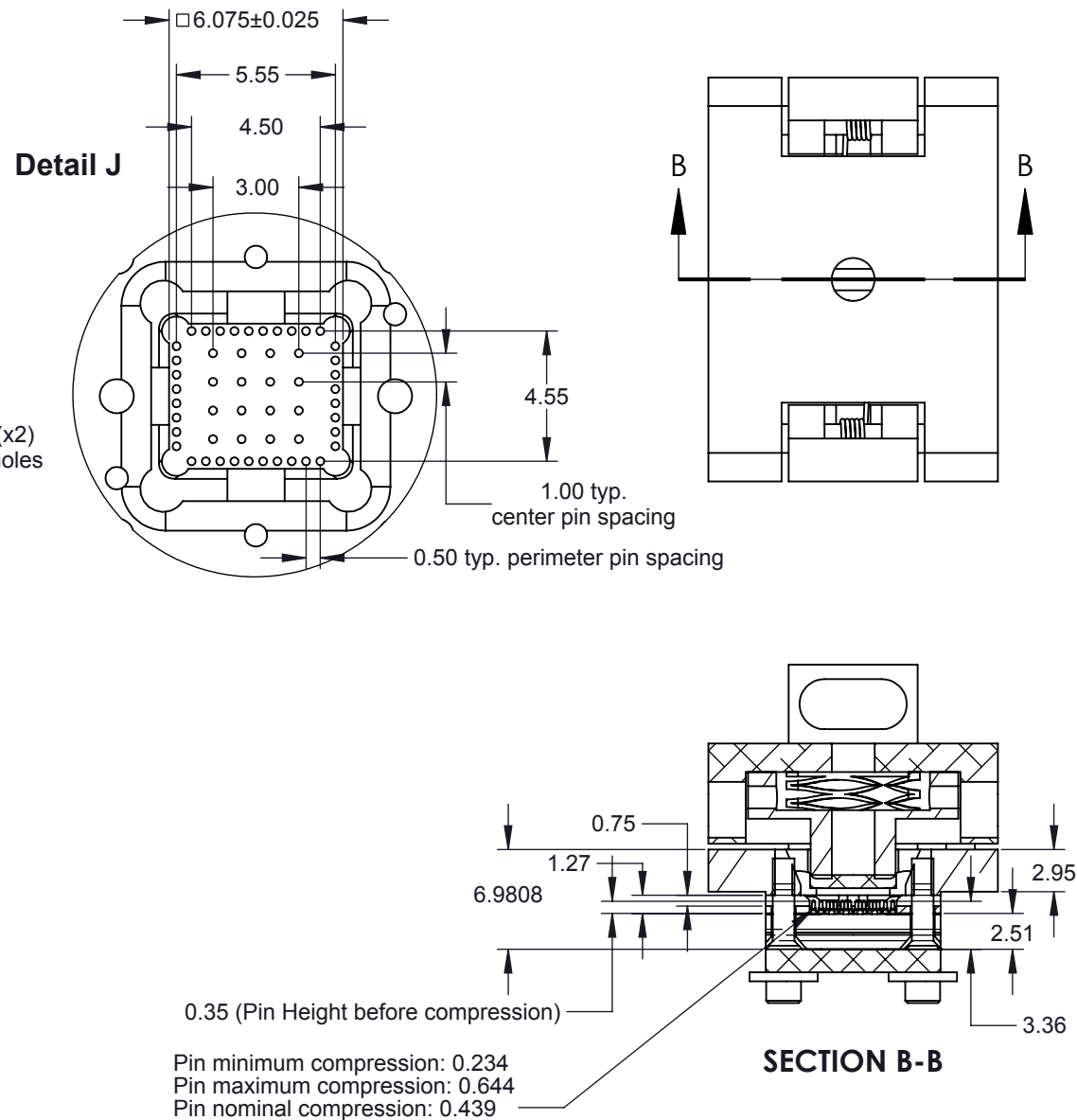
FILE: CBT-QFN-7009 Dwg

SHEET: 1 OF 5

SCALE: 2:1

DATE: 3/22/2011

REV. A



Description: Cavity Detail

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.

CBT-QFN-7009 Drawing



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

Material: N/A
Finish: N/A
Weight: 16.26

STATUS: Released

DRAWN BY: M. Raske

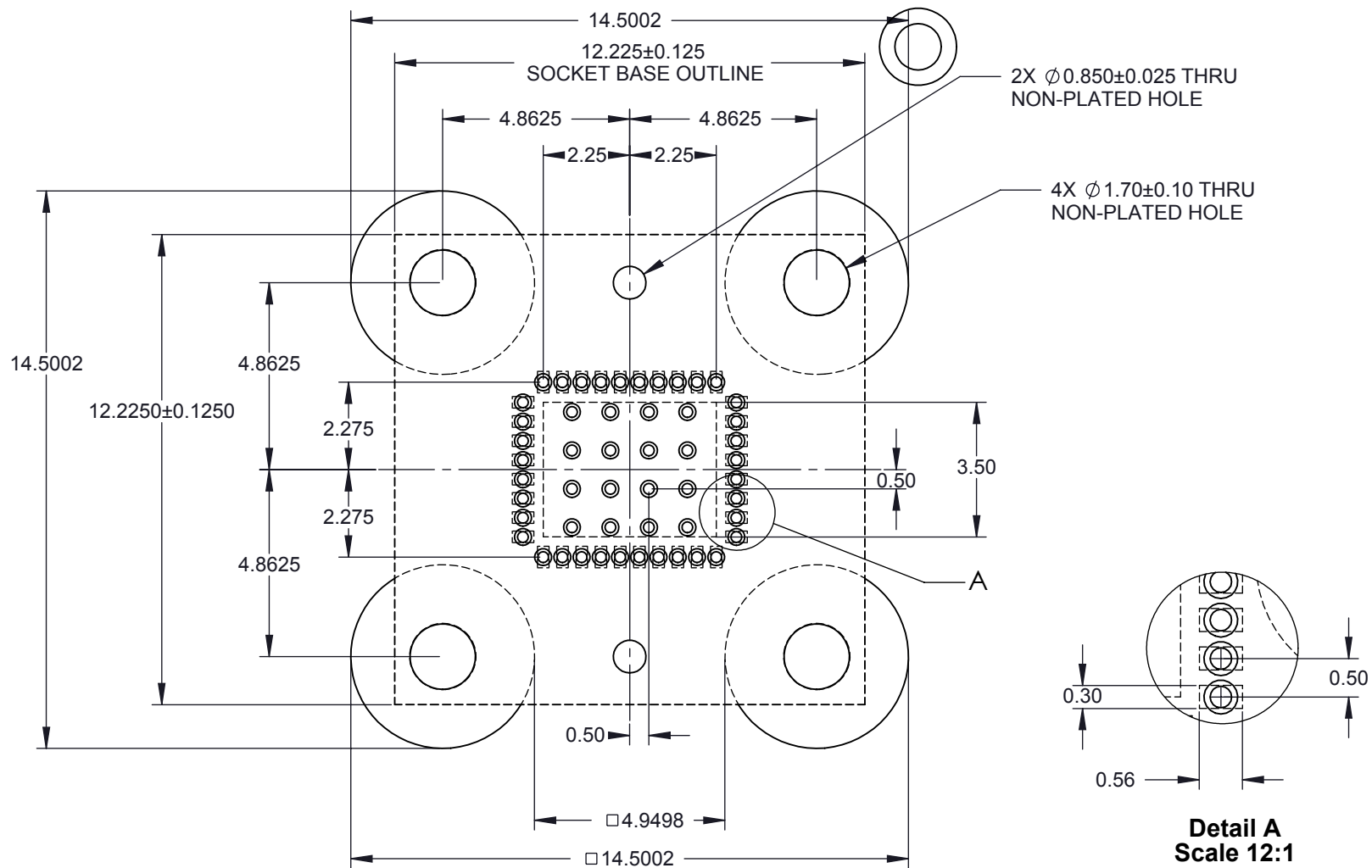
FILE: CBT-QFN-7009 Dwg

SHEET: 2 OF 5

SCALE: 2:1

DATE: 3/22/2011

REV. A




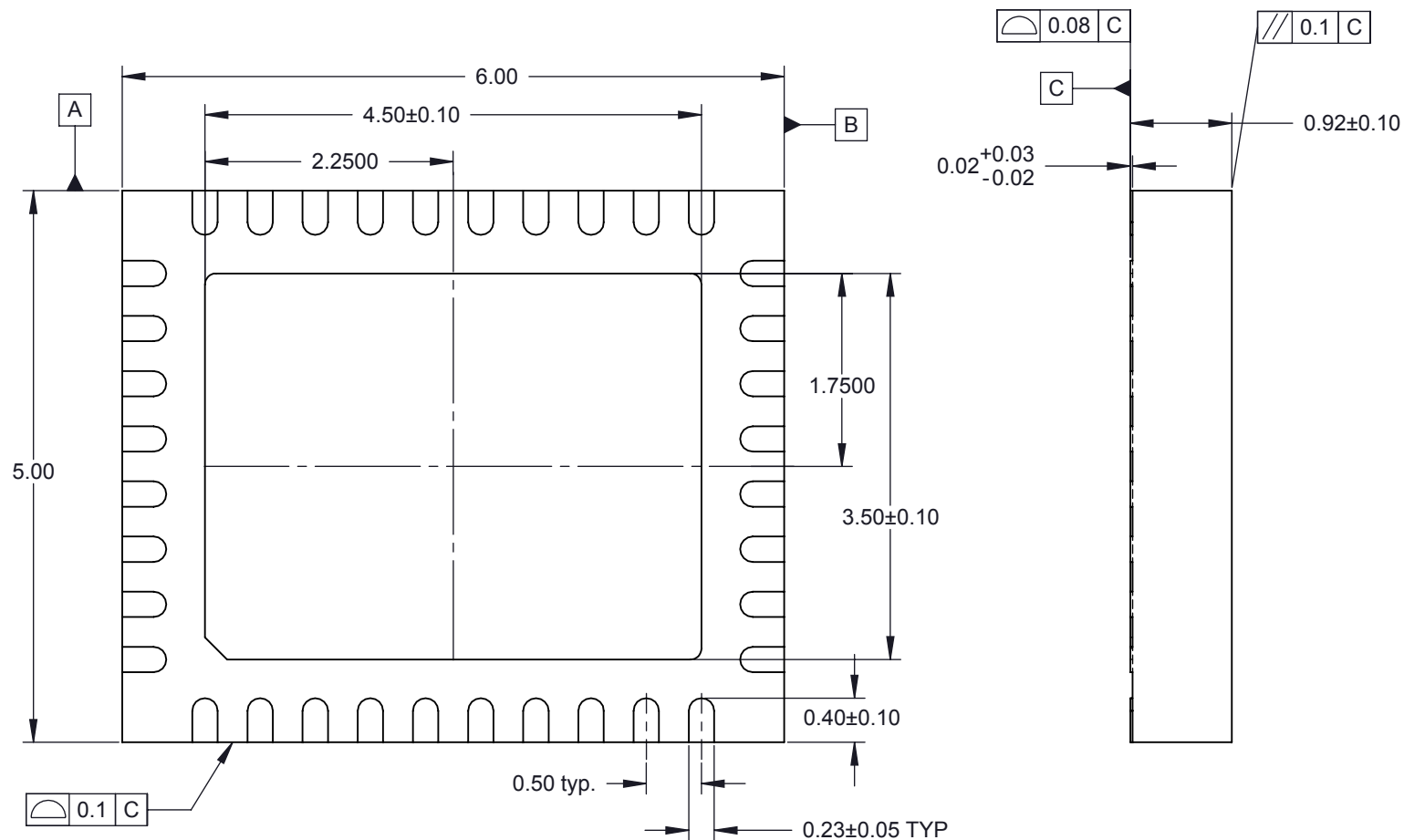
Target PCB Recommendations
 Total thickness: 1.6mm min.
 Plating: Gold or Solder finish
 PCB Pad height: Same or higher than solder mask

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-7009 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 16.26	STATUS: Released DRAWN BY: M. Raske FILE: CBT-QFN-7009 Dwg	SHEET: 3 OF 5 SCALE: 6:1 DATE: 3/22/2011	REV. A
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Ironwood package code: QFN36C

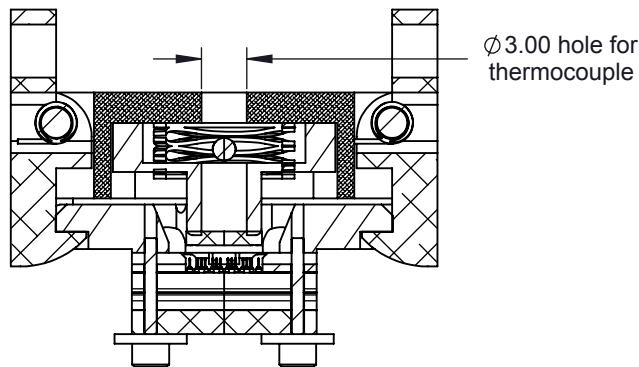
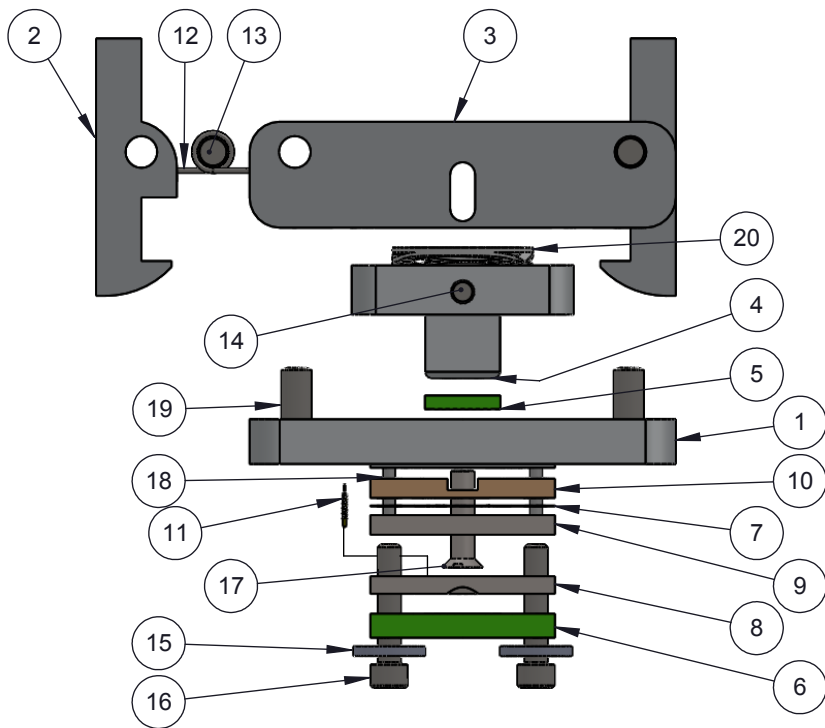
1. Dimensions are in millimeters.

Description: QFN32

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-7009 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 16.26	STATUS: Released DRAWN BY: M. Raske FILE: CBT-QFN-7009 Dwg	SHEET: 4 OF 5 SCALE: 16:1 DATE: 3/22/2011	REV. A
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PIN DETAIL




ITEM NO.	DESCRIPTION	Material
1	CBT double latch Socket Base for up to 7mm QFN	7075-T6 Aluminum Alloy
2	10x10mm clamshell latch	7075-T6, Plate (SS)
3	CBT Snap double latch socket lid for up to 10mm IC	7075-T6 (SN)
4	CBT Compression Plate for 6x5mm IC	7075-T6 Aluminum Alloy
5	Customer's QFN36, 6mm x 5mm, 0.5mm pitch	High Temp FR4
6	Customer's target PCB for 6mm x 5mm 0.5mm pitch QFN36	High Temp FR4
7	CBT Pin Orientation Guide for 6mm x 5mm 0.5mm pitch QFN36	Kapton Polyimide
8	CBT Bottom Guide for 6mm x 5mm, 0.5mm pitch QFN36	PEEK Ceramic filled
9	CBT Top Guide for 6mm x 5mm 0.5mm pitch QFN36	PEEK Ceramic filled
10	IC Guide for 6mm x 5mm IC	Ultem 1000
11	SBT-LGA/QFN Pogo Pin, 0.5mm-0.8mm	Contact Mtrl: BeCu, Au Plated over Ni
12	Torsion Spring, 180 0.109" OD, Ccw/Rh	Steel Music Wire
13	Dowel Pin, M2 X 20mm LG, 18-8 SS	AISI 347 Annealed Stainless Steel (SS)
14	Dowel Pin, M1.5 X 20mm LG, 18-8 SS	AISI 347 Annealed Stainless Steel (SS)
15	Washer, #0 x .025", Nylon	Nylon 6/6
16	#0-80 X .313 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
17	#0-80X0.25", 90 deg., head pin guide screw, Peek material	PEEK unfilled
18	Dowel pin, 1/32" X .25", SS	Chrome Stainless Steel
19	Dowel Pin M2x6mm	Stainless Steel (18-8)
20	Wave Spring 0.375" OD, 0.15" ID, 62 lbs/in	Stainless Steel (303)

Rev	Date	Initials	Description
A	3/22/11	MR	Original

Description: Material information

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-7009 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 16.26	STATUS: Released	SHEET: 5 OF 5	REV. A
		DRAWN BY: M. Raske	SCALE: 1:1	
		FILE: CBT-QFN-7009 Dwg	DATE: 3/22/2011	