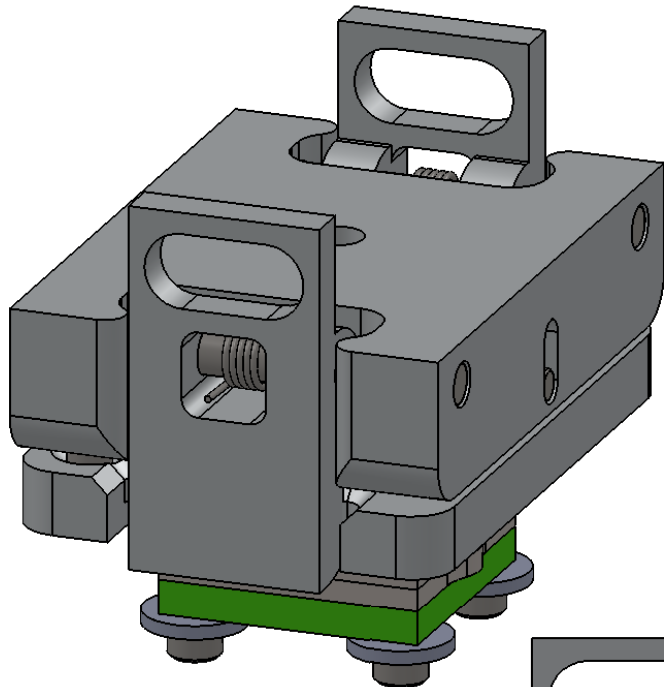
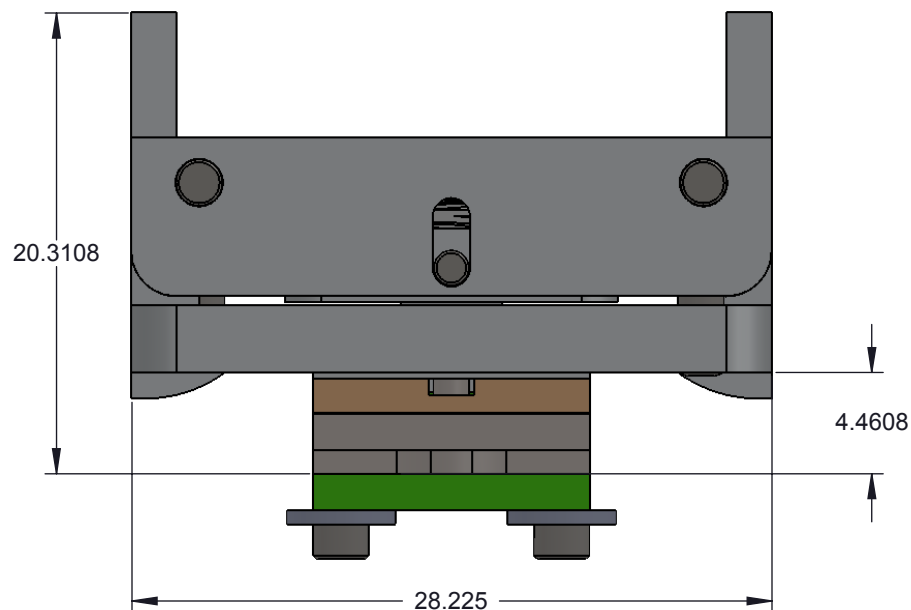
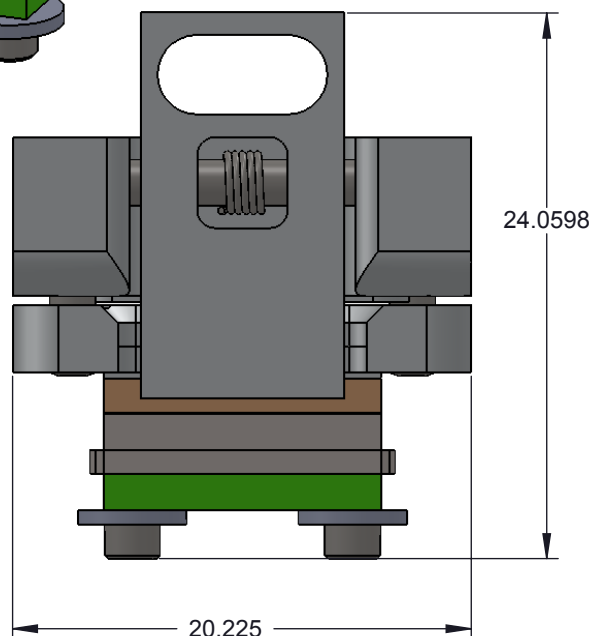


CBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



Features

- Wide temperature range (-55C to +155C).
- High current capability (up to 2.2A).
- 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 socket for 4.5mm x 4.5mm QFN

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

Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

CBT-QFN-7008 Drawing



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

Material: N/A
Finish: N/A
Weight: 15.91

STATUS: Released

ENG: S. Faiz

FILE: CBT-QFN-7008 Dwg

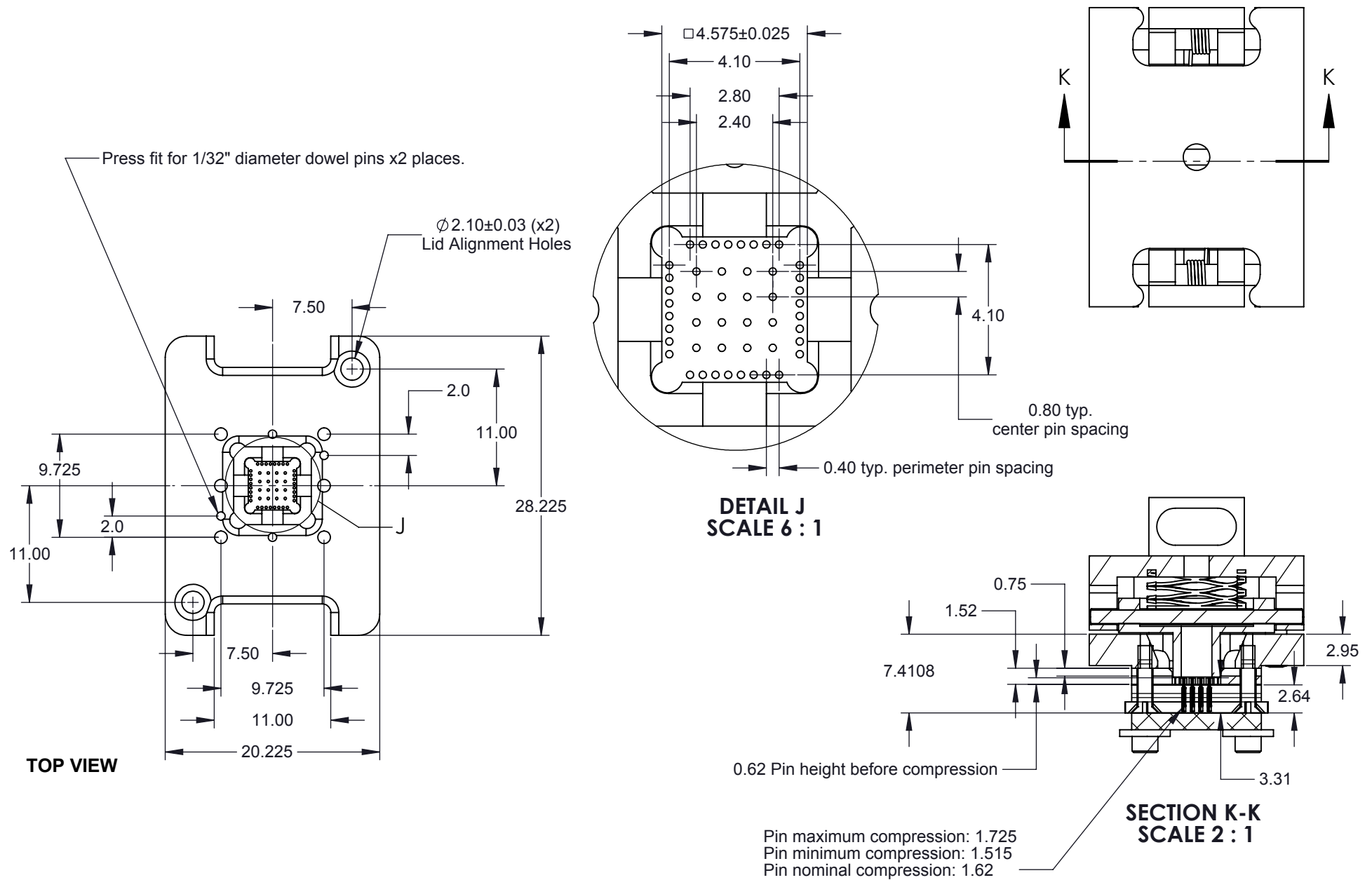
SHEET: 1 OF 5

DRAWN BY: M. Raske

DATE: 3/21/2011

REV. B

SCALE: 3:1

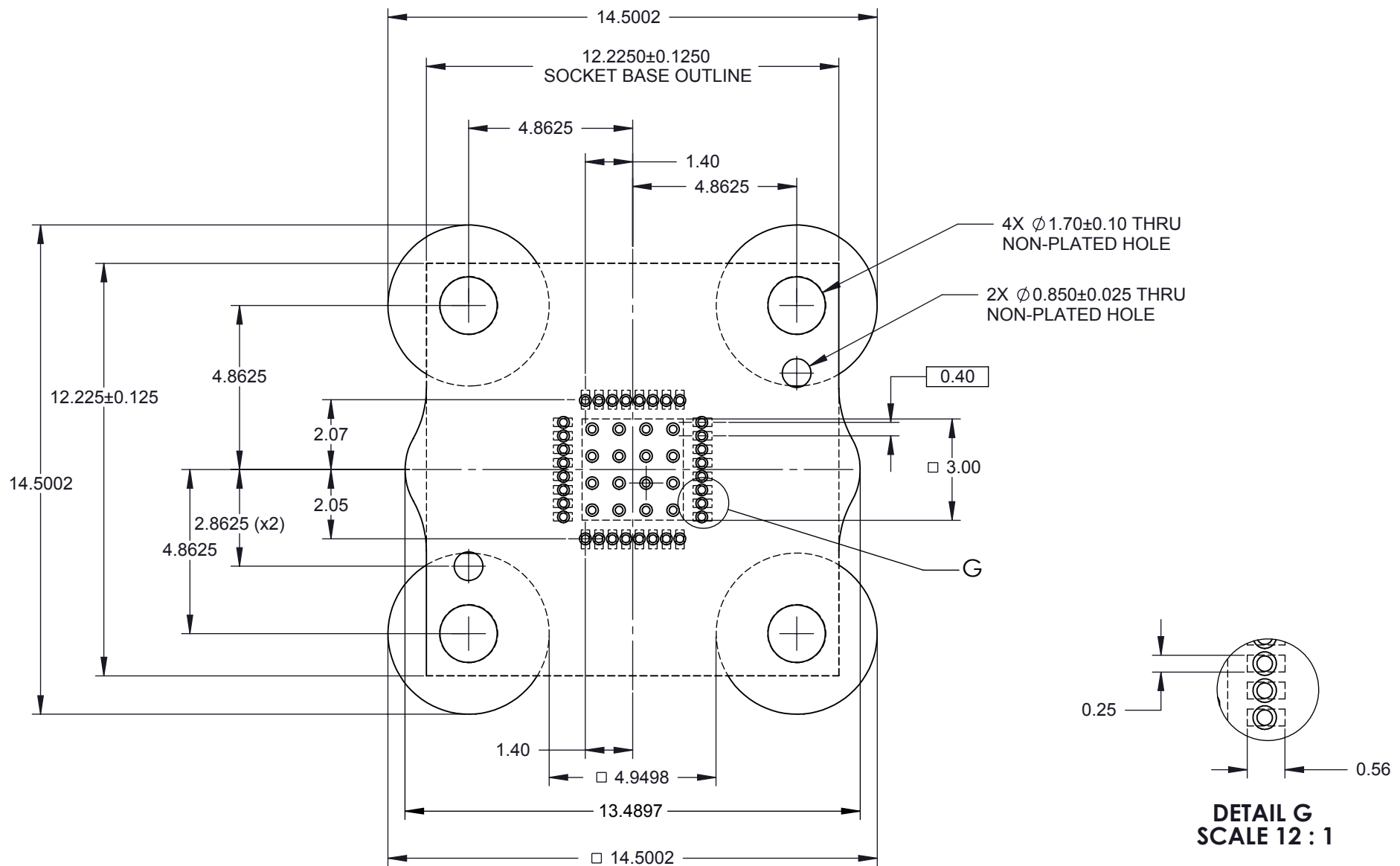


Description: Cavity Detail

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

Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

CBT-QFN-7008 Drawing  ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 15.91	STATUS: Released ENG: S. Faiz FILE: CBT-QFN-7008 Dwg	SHEET: 2 OF 5 DRAWN BY: M. Raske DATE: 3/21/2011	REV. B SCALE: 2:1
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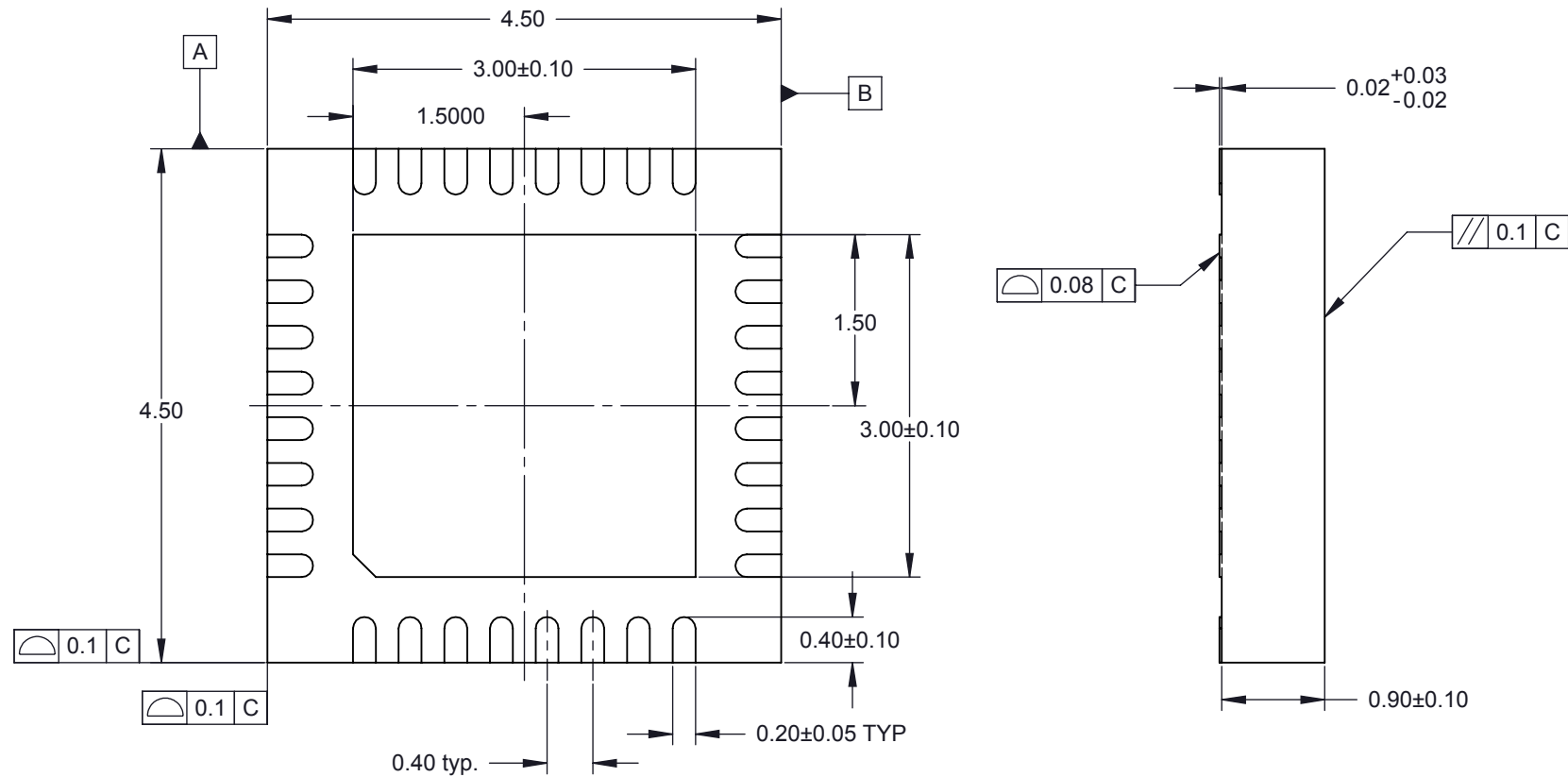
Target PCB Recommendations
 Total thickness: 1.6mm min.
 Plating: Gold or Solder finish
 PCB Pad height: Same or higher than solder mask

Description: Recommended PCB layout

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

Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

CBT-QFN-7008 Drawing  ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 15.91	STATUS: Released ENG: S. Faiz FILE: CBT-QFN-7008 Dwg	SHEET: 3 OF 5 DRAWN BY: M. Raske DATE: 3/21/2011	REV. B SCALE: 6:1
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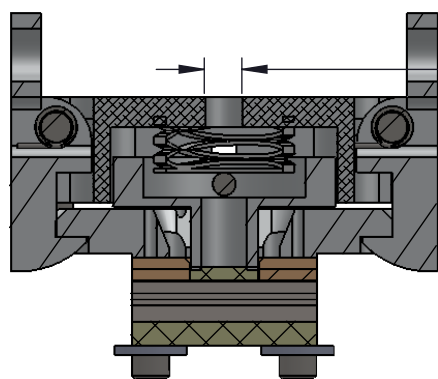
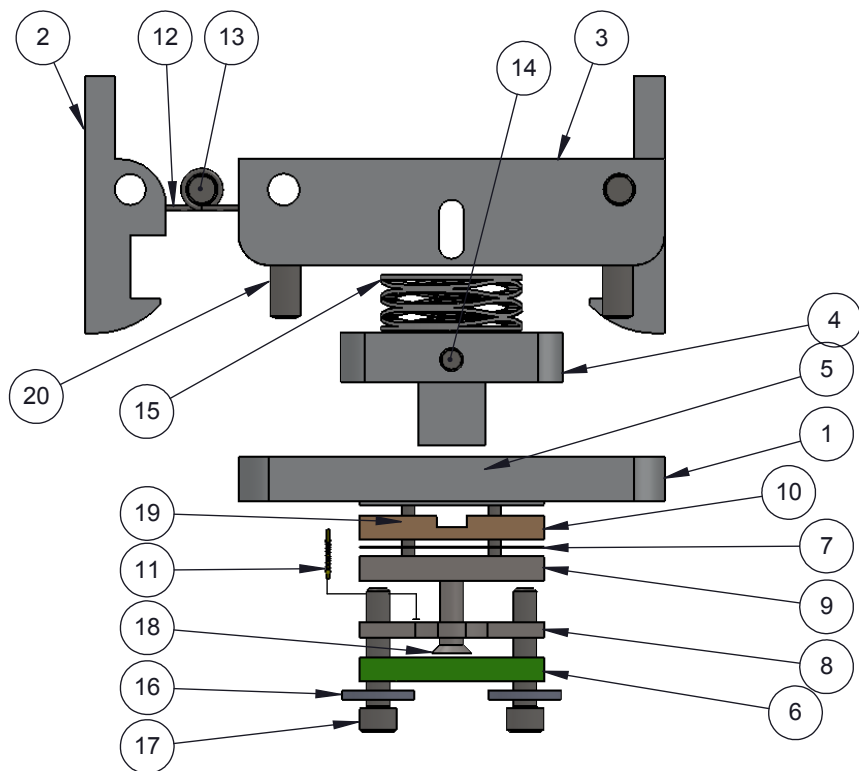
1. Dimensions are in millimeters.

Description: QFN32

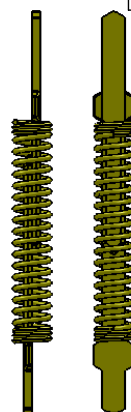
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

CBT-QFN-7008 Drawing  ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 15.91	STATUS: Released ENG: S. Faiz FILE: CBT-QFN-7008 Dwg	SHEET: 4 OF 5 DRAWN BY: M. Raske DATE: 3/21/2011	REV. B SCALE: 16:1
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Ø 2.50 hole for thermocouple



**PIN DETAIL
16:1 Scale**

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 Aluminum Alloy
3	CBT Snap double latch socket lid for up to 10mm IC	7075-T6 Aluminum Alloy
4	CBT Compression Plate for 4.5x4.5mm IC	7075-T6 Aluminum Alloy
5	Customer's chip QFN32 4.5mm x4.5mm 0.4mm pitch	High Temp FR4
6	Customer's target PCB for 4.5mm x 4.5mm, 0.4mm pitch QFN32	High Temp FR4
7	CBT Pin Orientation Guide for 4.5mm x 4.5mm, 0.4mm pitch QFN32	Kapton Polyimide
8	CBT Bottom Guide for 4.5mm x 4.5mm 0.4mm pitch QFN32	PEEK Ceramic filled
9	CBT Top Guide for 4.5mm x 4.5mm, 0.4mm pitch QFN32	PEEK Ceramic filled
10	IC Guide for 4.5mm x 4.5mm IC	Ultem 1000
11	SBT Pin, 0.4mm pitch	N/A
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	Wave Spring 0.375" OD, 0.15" ID, 62 lbs/in	Stainless Steel (303)
16	Washer, #0 x .025", Nylon	Nylon 6/6
17	#0-80 X .313 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
18	#0-80X0.25", 90 deg., head pin guide screw, Peek material	PEEK unfilled
19	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
20	Dowel Pin M2x6mm	Stainless Steel (18-8)

Description: Skt, Insulation Plate, Pin Det

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

Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

Rev	Date	Initials	Description
A	03/21/11	MR	Original
B	05/27/15	DH	Updated PCB layout page

CBT-QFN-7008 Drawing		STATUS: Released		SHEET: 5 OF 5		REV. B	
	©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A		ENG: S. Faiz		DRAWN BY: M. Raske	
		Finish: N/A		FILE: CBT-QFN-7008 Dwg		DATE: 3/21/2011	
		Weight: 15.91				SCALE: 2:1	