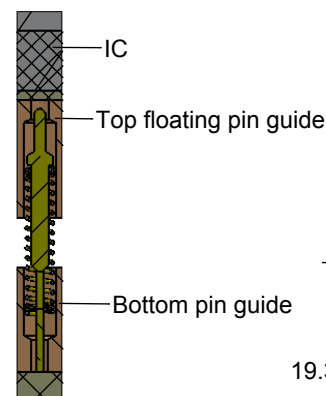
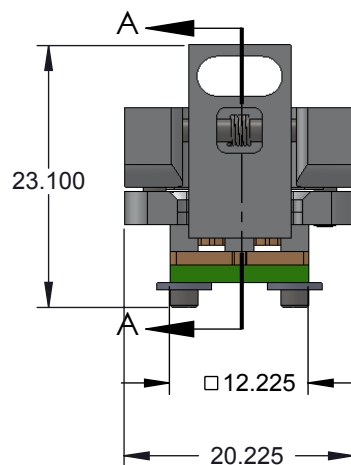
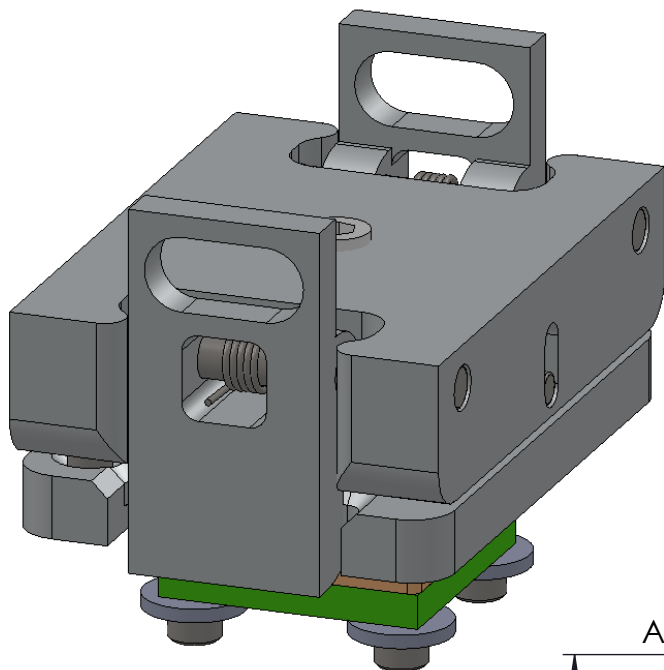


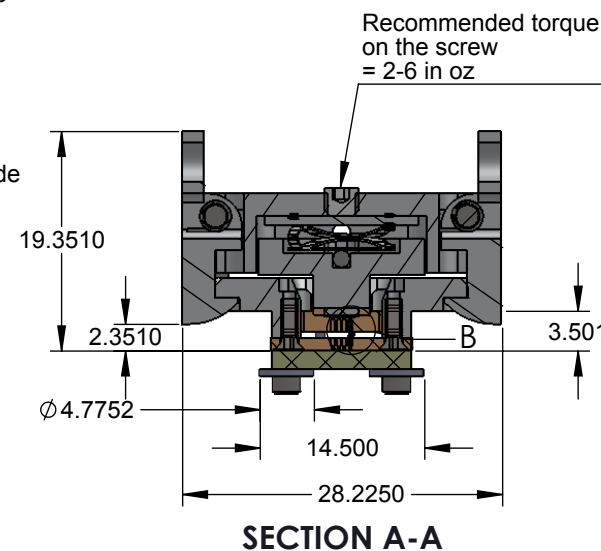
CBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

Features

- Wide temperature range (-55C to +180C).
- 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.




DETAIL B
SCALE 12 : 1

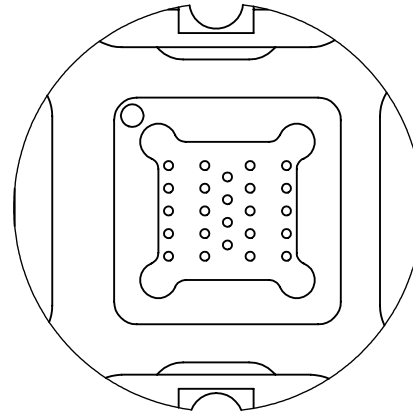
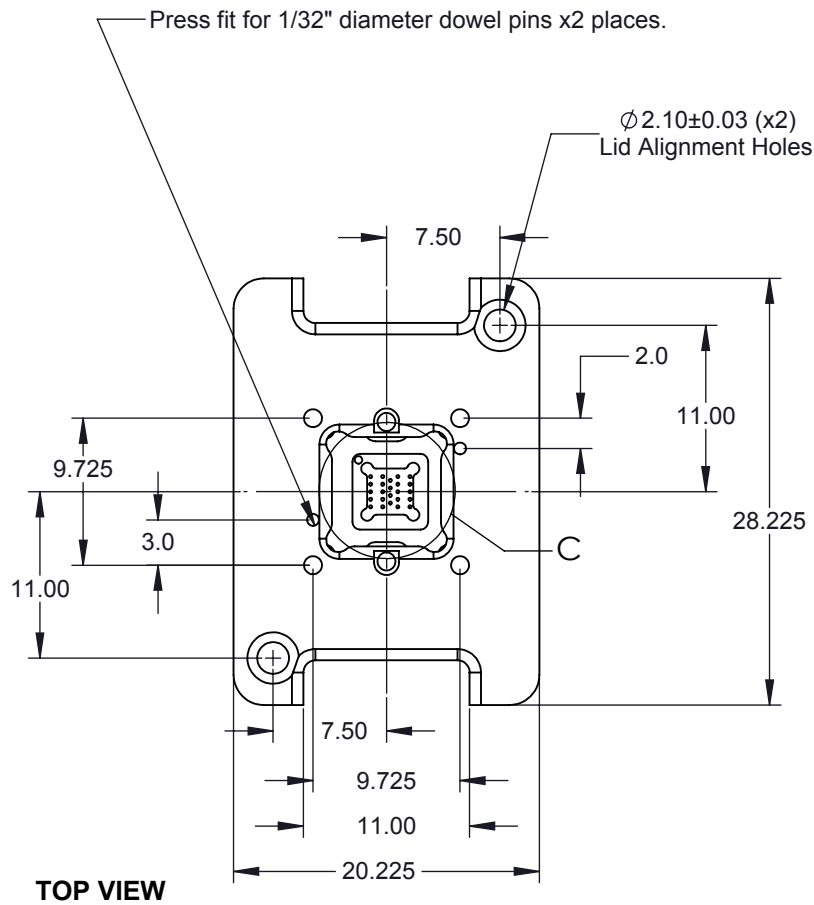


Description: CBT double latch socket for 3x3mm QFN10

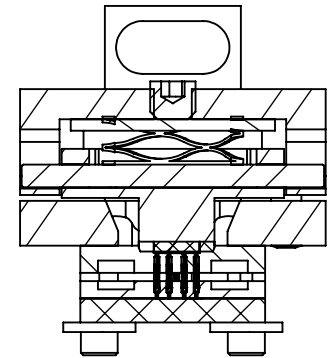
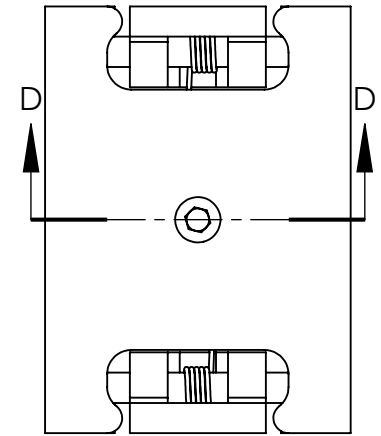
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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-7039 Drawing ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 16.44	STATUS: Released	SHEET: 1 OF 5	REV. A
		ENG: S. Huang	DRAWN BY: M. Raske	SCALE: 3:2
		FILE: CBT-QFN-7039 Dwg	DATE: 3/10/2015	



DETAIL C
SCALE 6 : 1




SECTION D-D

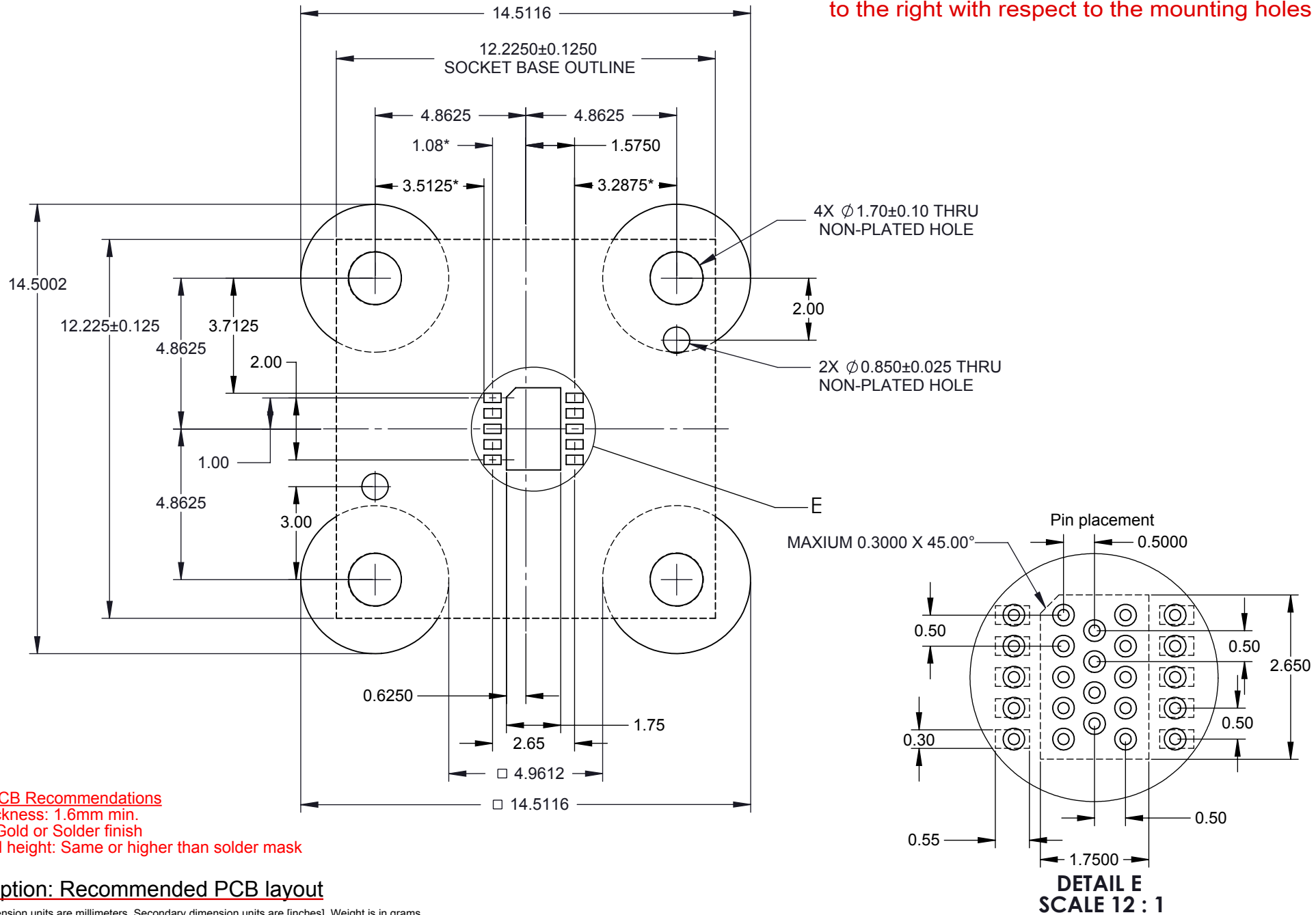
Description: Cavity Detail

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.

 <p>CBT-QFN-7039 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: N/A Finish: N/A Weight: 16.44</p>	<p>STATUS: Released</p>	<p>SHEET: 2 OF 5</p>	<p>REV. A</p>
	<p>ENG: S. Huang</p>	<p>DRAWN BY: M. Raske</p>	<p>SCALE: 2:1</p>	<p>DATE: 3/10/2015</p>

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




Target PCB Recommendations

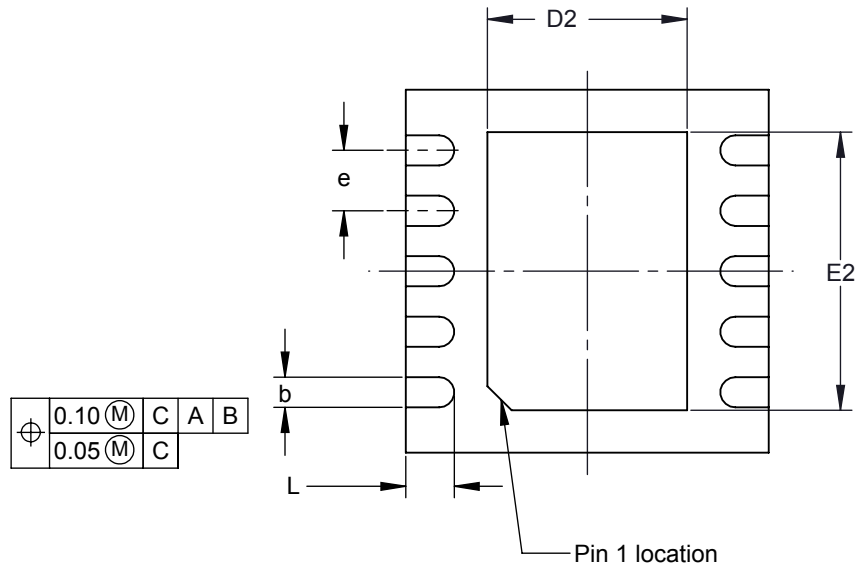
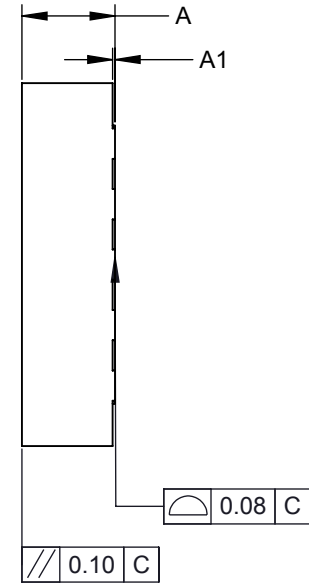
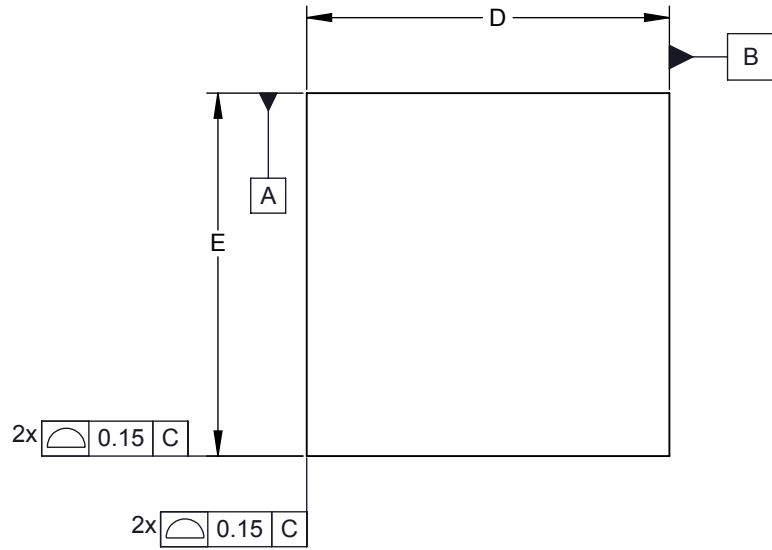
Total thickness: 1.6mm min.
Plating: Gold or Solder finish
PCB Pad height: Same or higher than solder mask

Description: Recommended PCB 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.

 <p>CBT-QFN-7039 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: N/A Finish: N/A Weight: 16.44</p>	<p>STATUS: Released ENG: S. Huang FILE: CBT-QFN-7039 Dwg</p>	<p>SHEET: 3 OF 5 DRAWN BY: M. Raske DATE: 3/10/2015</p>	<p>REV. A SCALE: 6:1</p>

Ironwood Package Code: QFN10D




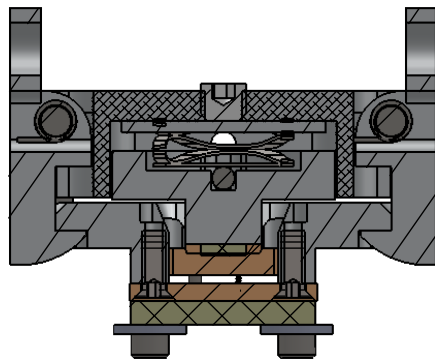
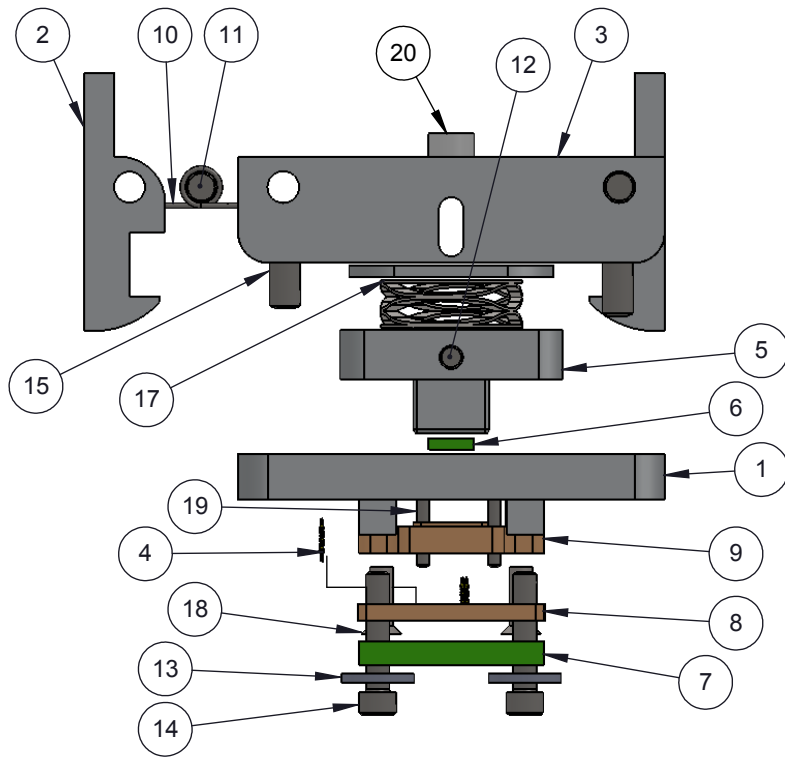
DIM	MIN	NOM	MAX
A	0.70	0.75	0.80
A1	0.00	0.02	0.05
D	3.00 BDC		
D2	1.55	1.65	1.70
E	3.00 BSC		
E2	2.20	2.30	2.35
b	0.18	0.25	0.30
L	0.30	0.40	0.50
e	0.50 BSC		

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.

1. Dimensions are in millimeters.
2. Dimensioning and tolerancing per ASME Y14.5M.

 CBT-QFN-7039 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 16.44	STATUS: Released ENG: S. Huang FILE: CBT-QFN-7039 Dwg	SHEET: 4 OF 5 DRAWN BY: M. Raske DATE: 3/10/2015	REV. A SCALE: 16:1




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 Aluminum Alloy
3	CBT Snap double latch socket lid for up to 10mm IC	7075-T6 Aluminum Alloy
4	Stamped Pin, 0.4mm SBT-LGA/QFN	N/A
5	CBT Compression Plate for 3x3mm IC	7075-T6 Aluminum Alloy
6	Customer's chip QFN10 3x3mm 0.5mm pitch	High Temp FR4
7	Customer's target PCB for 3x3mm, 0.5mm pitch QFN10	High Temp FR4
8	CBT Bottom Guide for 3x3mm 0.5mm pitch QFN10	Semitron MDS 100
9	CBT Top Guide for 3x3mm, 0.5mm pitch QFN10	Semitron MDS 100
10	Torsion Spring, 180 0.109" OD, Ccw/Rh	Steel Music Wire
11	Dowel Pin, M2 X 20mm LG, 18-8 SS	AISI 347 Annealed Stainless Steel (SS)
12	Dowel Pin, M1.5 X 20mm LG, 18-8 SS	AISI 347 Annealed Stainless Steel (SS)
13	Washer, #0 x .025", Nylon	Nylon 6/6
14	#0-80 X .313 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
15	Dowel Pin M2x6mm	Stainless Steel (18-8)
16	Spacer	7075-T6 Aluminum Alloy
17	Wave spring 4 lbs 0.375" OD 0.15" In	Plain Carbon Steel
18	#0-80, 90 deg., head pin guide screw, Peek material	PEEK unfilled
19	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
20	Set Screw M3 Size, 3mm Long, 0.5mm Pitch	Stainless Steel (316)

Description: Skt, Insulation Plate, Pin Det

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

Tolerances: Hole diameters $\pm 0.03\text{mm}$ [$\pm 0.001"$], 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-7039 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 16.44	STATUS: Released	SHEET: 5 OF 5	REV. A
		ENG: S. Huang	DRAWN BY: M. Raske	SCALE: 2:1
		FILE: CBT-QFN-7039 Dwg	DATE: 3/10/2015	