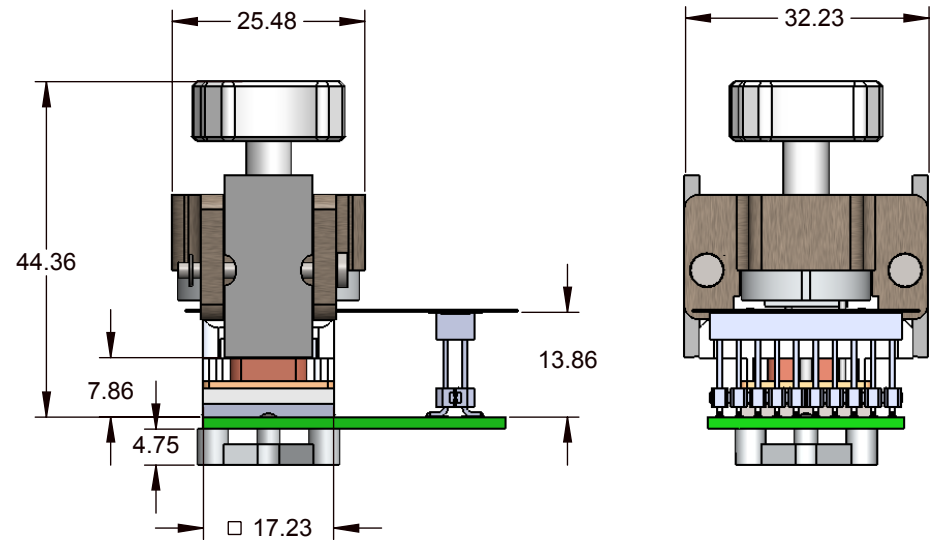
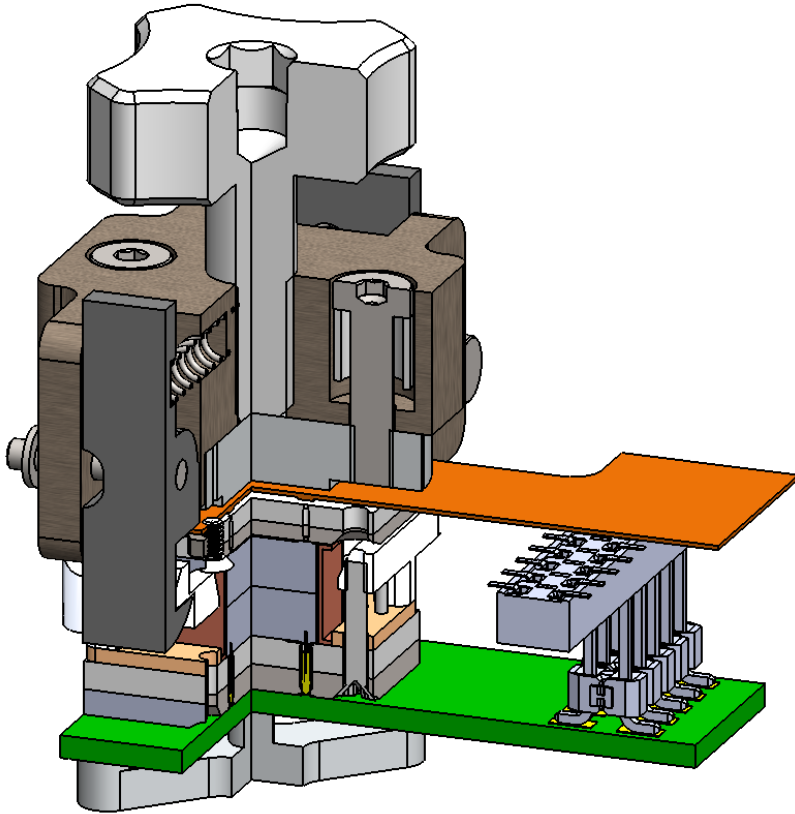


CBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

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: CBT-LCC20 double stack socket with flex

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-7014 Specification



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

Material: Material <not specified>
Finish:
Weight: 46.45

STATUS: Released

DRAWN BY: M. Raske

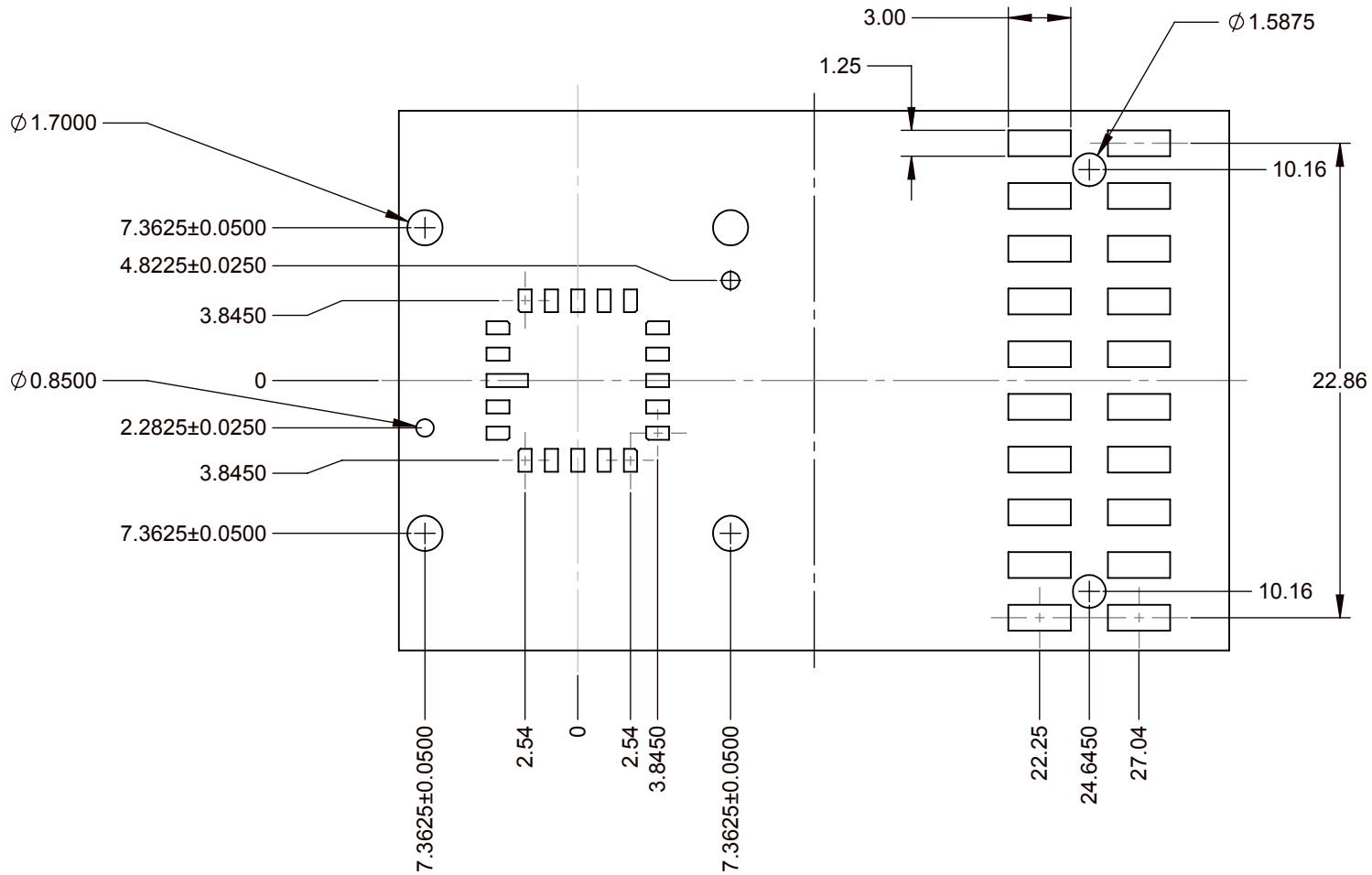
FILE: CBT-QFN-7014 Dwg

SHEET: 1 OF 5

SCALE: 1:1

DATE: 6/9/2011

REV. A




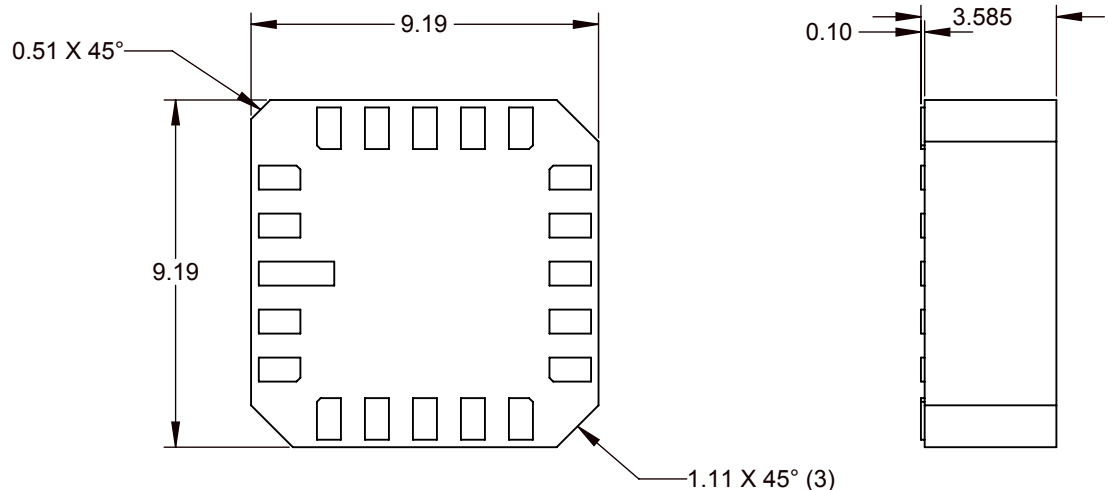
Target PCB Recommendations
 Total thickness: 1.5mm min.
 Plating: Gold or Solder finish

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-7014 Specification Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified>	STATUS: Released	SHEET: 2 OF 5	REV. A
	Finish: Weight: 46.45	DRAWN BY: M. Raske	SCALE: 3:1	
		FILE: CBT-QFN-7014 Dwg	DATE: 6/9/2011	




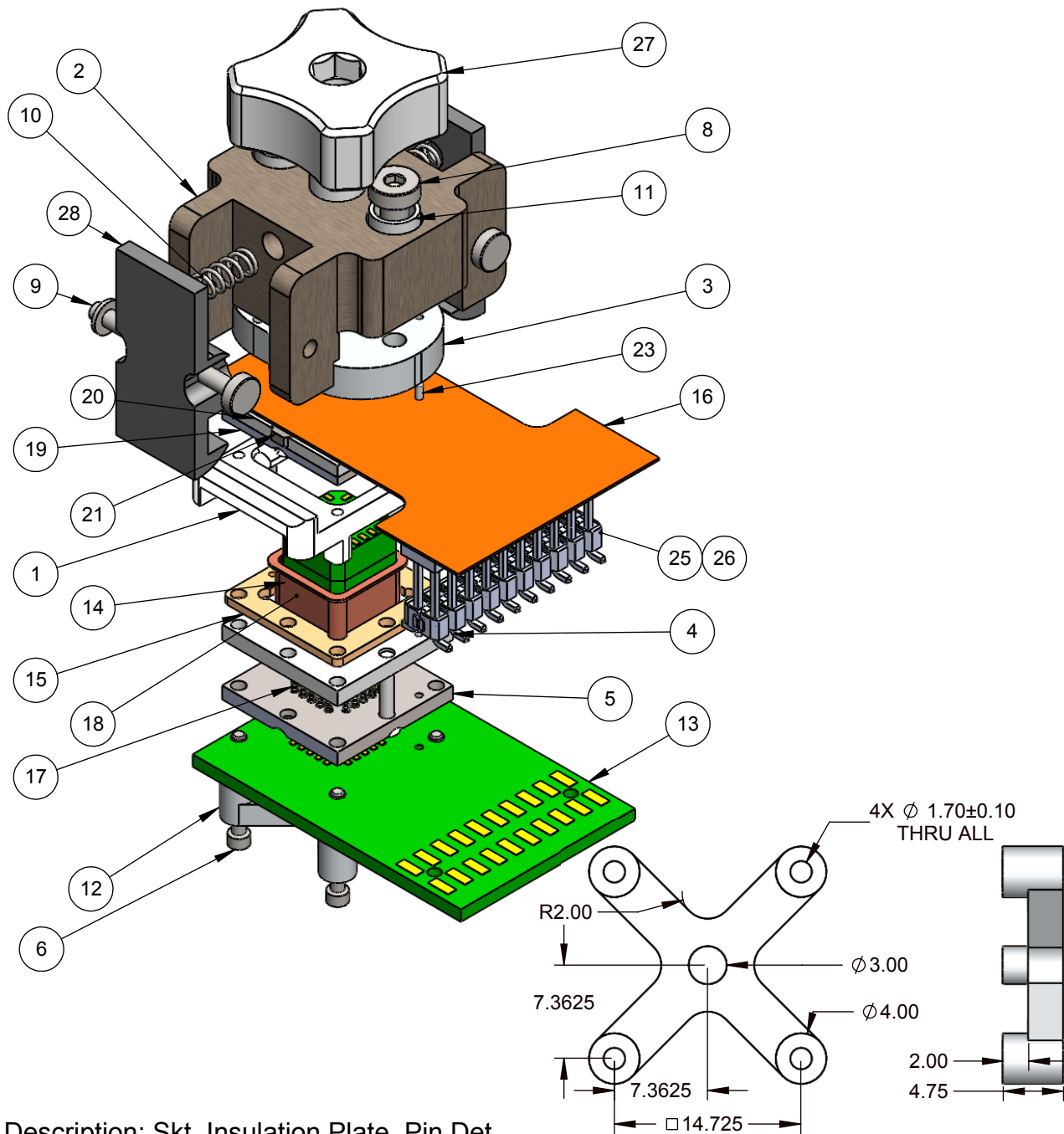
1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
3. Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
4. Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
5. Parallelism measurement shall exclude any effect of mark on top surface of package.

Description: 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-7014 Specification Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 46.45	STATUS: Released	SHEET: 3 OF 5	REV. A
		DRAWN BY: M. Raske	SCALE: 5:1	
		FILE: CBT-QFN-7014 Dwg	DATE: 6/9/2011	



ITEM NO.	DESCRIPTION	Material
1	CBT 12mm Skt Base	7075-T6 Aluminum Alloy
2	CBT Dble Latch Lid, Ni Plate 12mm-7mm	7075-T6 Aluminum Alloy
3	CBT compression plate 12mm Custom cutouts	7075-T6 (SN)
4	CBT-LCC20 TOP Guide	PEEK Ceramic filled
5	Bottom Guide BLCC20	PEEK Ceramic filled
6	#0-80 x 0.5, SH Cap Screw	Material <not specified>
7	Screw, #0-80 X .375", Flat, SS	Material <not specified>
8	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
9	Hinge Pin and Snap Ring, 2mm OD, 19mm long, SS	Stainless Steel (ferritic)
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	12x12mm, 5 post Clamshell Backing Plate	7075-T6 Aluminum Alloy
13	Target PCB C10538	Material <not specified>
14	LCC20 1.27mm Pitch(x2)	
15	IC guide 11.3mm IC	Ultem 1000
16	Cflex C10538	High Temp FR4
17	Pogo Pin, 1mm Pitch SBT LGA pin	Material <not specified>
18	CFE, Electromagnet Bobbin V2	Copper
19	Bottom Guide LCC20 Top level	PEEK Ceramic filled
20	TOP Guide LCC20 Top level	PEEK Ceramic filled
21	Nut, #0-80 x 3/64", SS	1023 Carbon Steel Sheet (SS)
22	SBT-LGA/QFN Pogo Pin, 0.5mm-0.8mm	Contact Mtrl: BeCu, Au Plated over Ni
23	Dowel pin, 1/32" X .25", SS	Chrome Stainless Steel
24	Dowel Pin, 1/32" x 3/8", SS	Chrome Stainless Steel
25	Male SMT dual row headers 20 pin	N/A
26	Female SMT dual row headers 20 pin, 1.27mm	Material <not specified>
27	M6x1 fluted knob compression screw, Ni plated	7075-T6 Aluminum Alloy
28	Latch 6- 10mm Ni plated	7075-T6 Aluminum Alloy
29	Screw, #0-80 x 1/8", Flat Undercut, SS	Stainless Steel (303)

Description: Skt, Insulation Plate, Pin Det

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-7014 Specification



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

Material: Material <not specified>
 Finish:
 Weight: 46.45

STATUS: Released

DRAWN BY: M. Raske

FILE: CBT-QFN-7014 Dwg

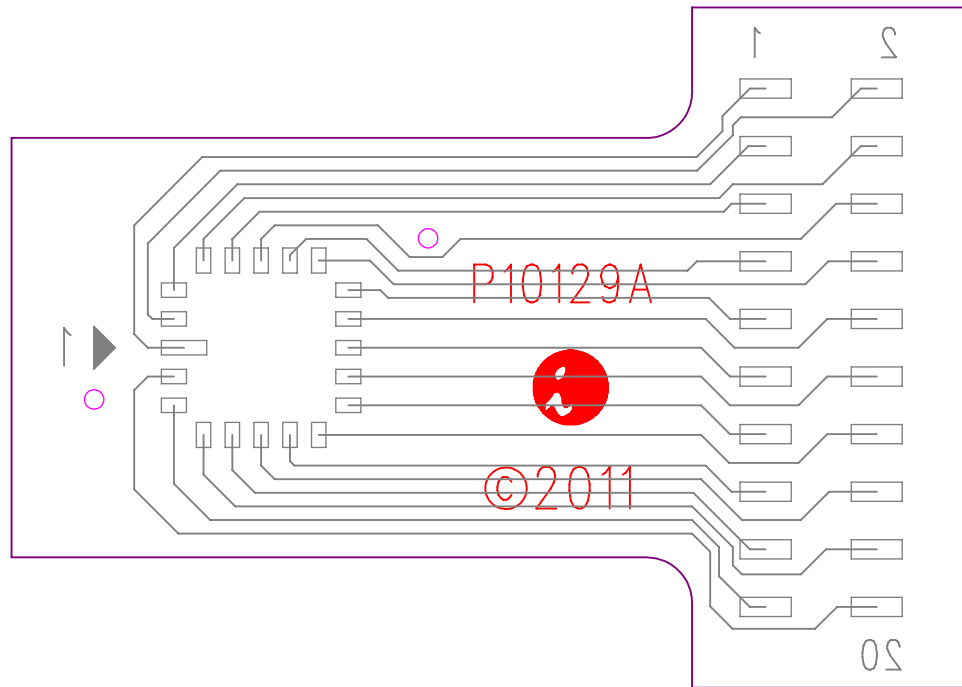
SHEET: 4 OF 5

SCALE: 1:1

DATE: 6/9/2011

REV. A

Flex Connector




Top View

Description: Recommended PCB layout(2)

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>Specification Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: Finish: Weight:</p>	STATUS: Released	SHEET: 5 OF 5	REV. A
		DRAWN BY: M. Raske	SCALE: 3:1	
		FILE: CBT-QFN-7014 Dwg	DATE: 6/9/2011	