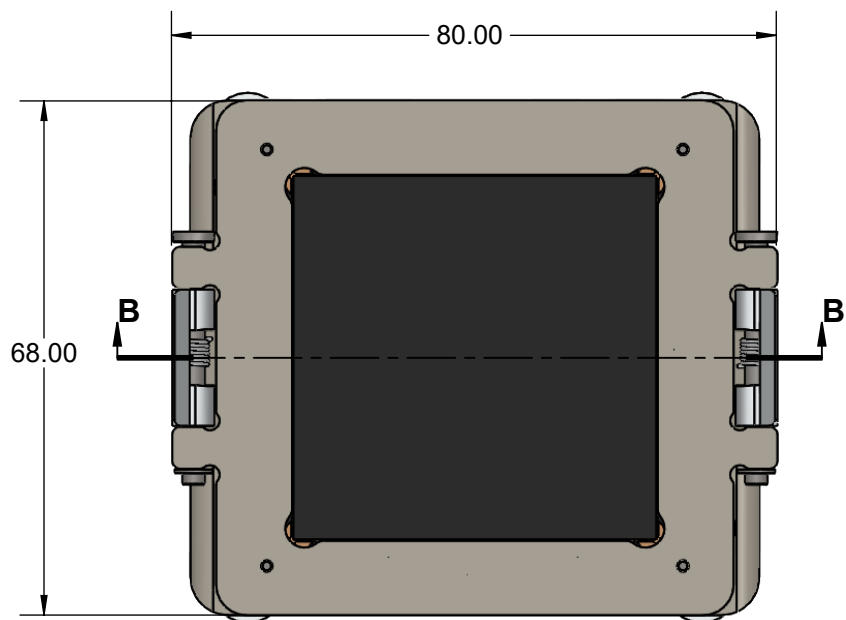
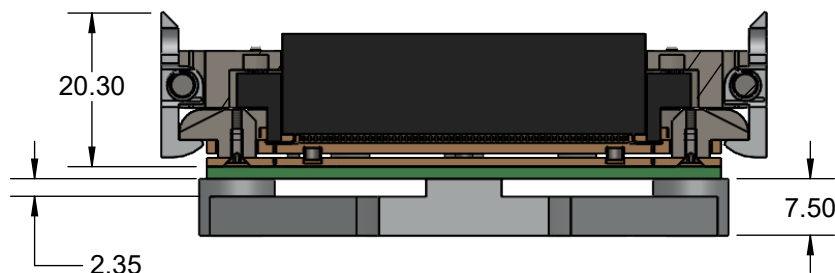


CBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



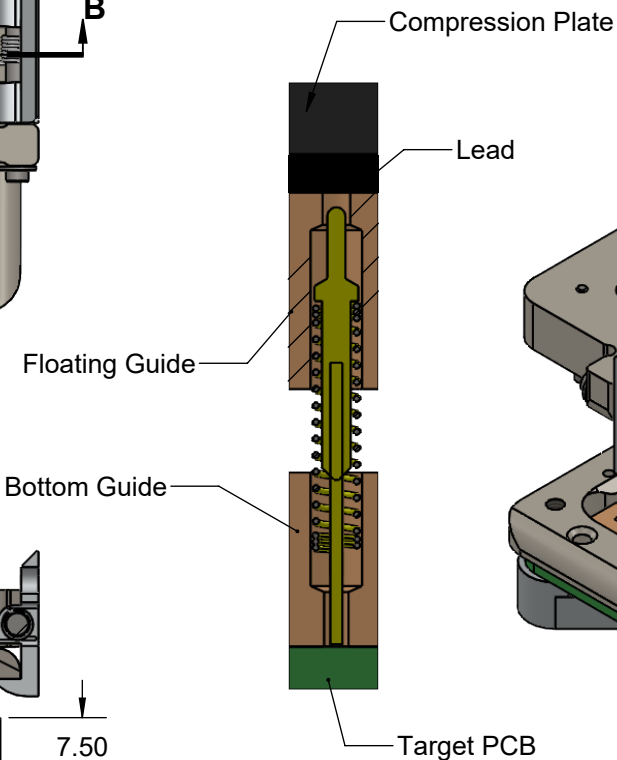
TOP VIEW



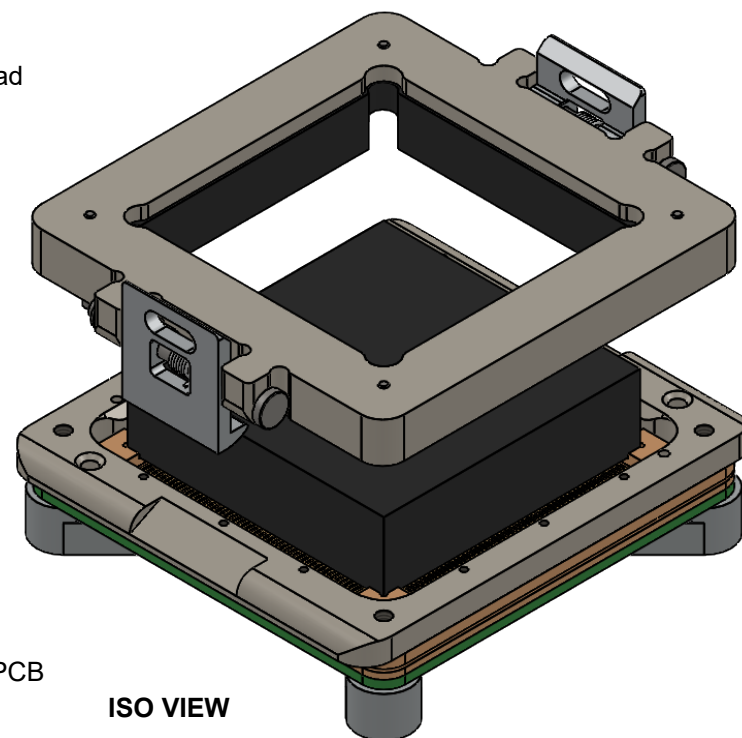
SECTION B-B

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



PIN DETAIL
SCALE 20:1




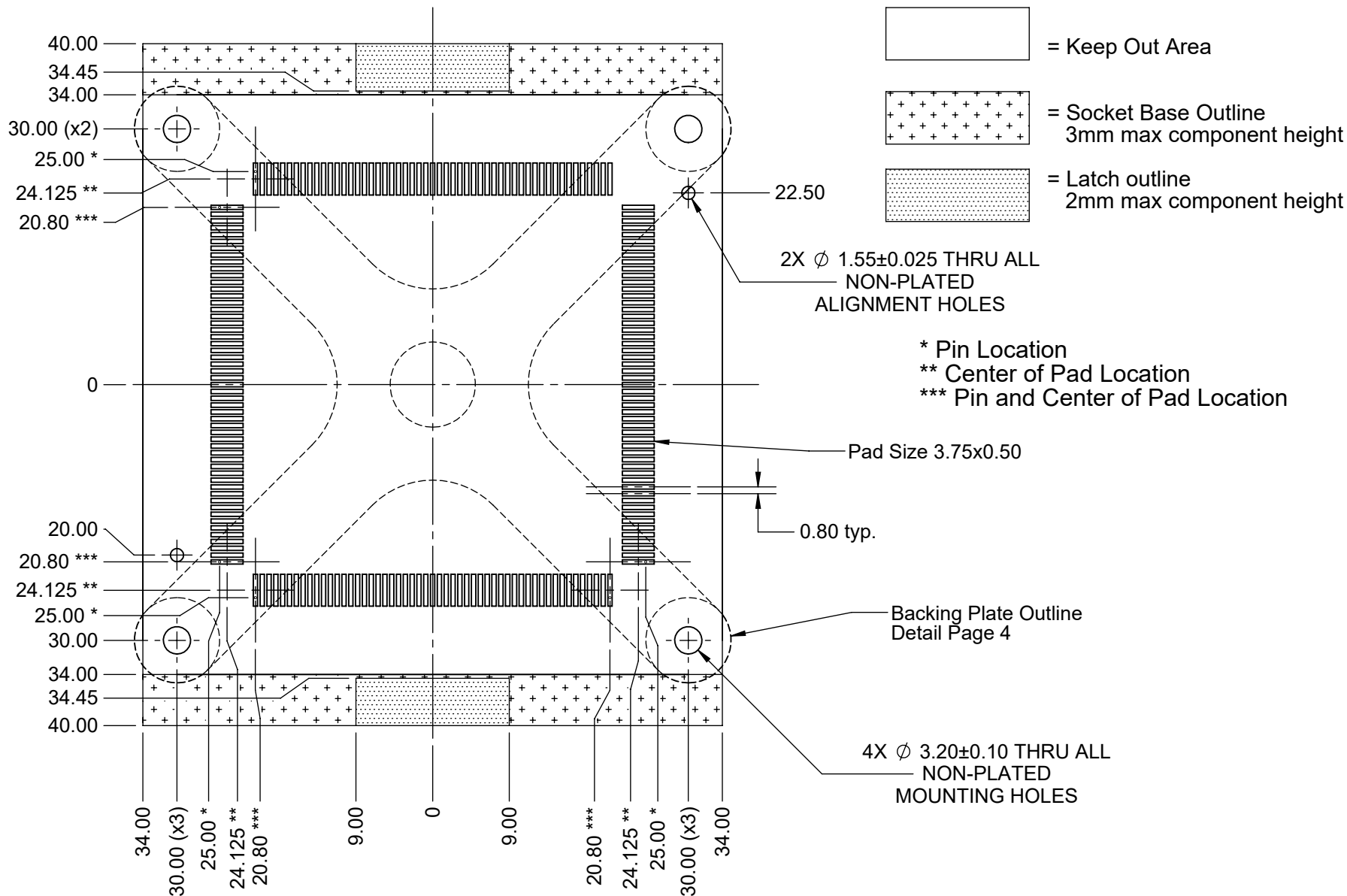
ISO VIEW

Description: CBT-QFP212 51mm T2T 0.8mm pitch double latch open top

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-QFE-3005 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 160.03	STATUS: Released ENG: B. Schatz FILE: CBT-QFE-3005 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 09/21/2014	REV. A SCALE: 1:1
--	--	--	---	----------------------



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.

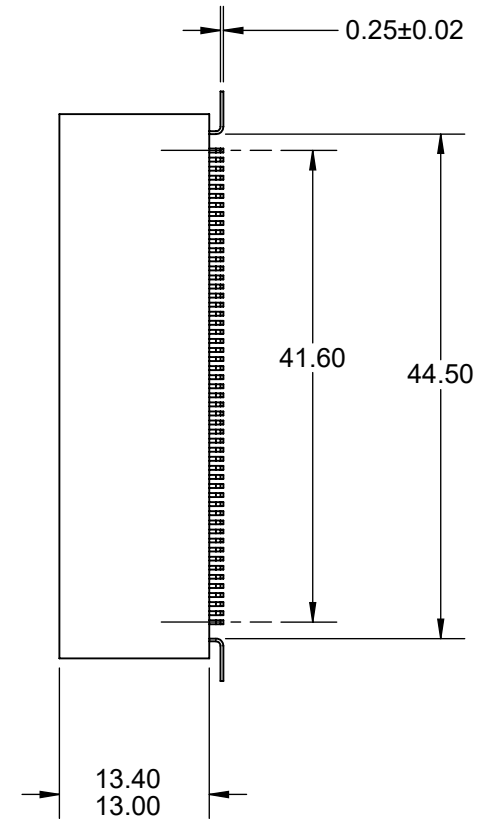
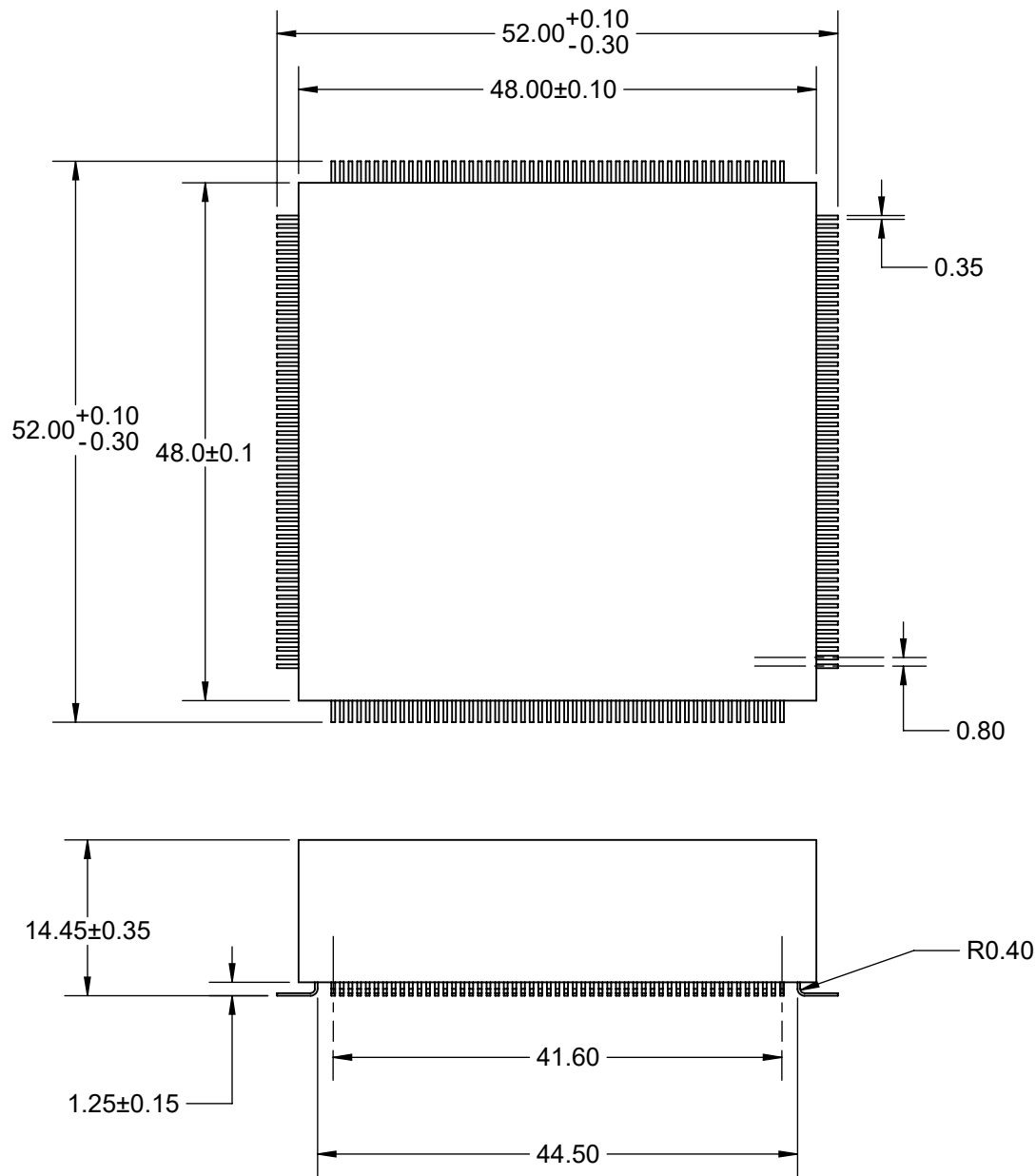
Target PCB Recommendations

Total thickness: 1.6mm min.

Plating: Gold or Solder finish

PCB Pad height: Same or higher than solder mask

CBT-QFE-3005 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 160.03	STATUS: Released ENG: B. Schatz FILE: CBT-QFE-3005 Dwg	SHEET: 2 OF 4 DRAWN BY: M. Raske DATE: 09/21/2014	REV. A SCALE: 3:2
--	--	--	---	----------------------




IRONWOOD COMPATIBLE PACKAGE CODE: QFE212SA

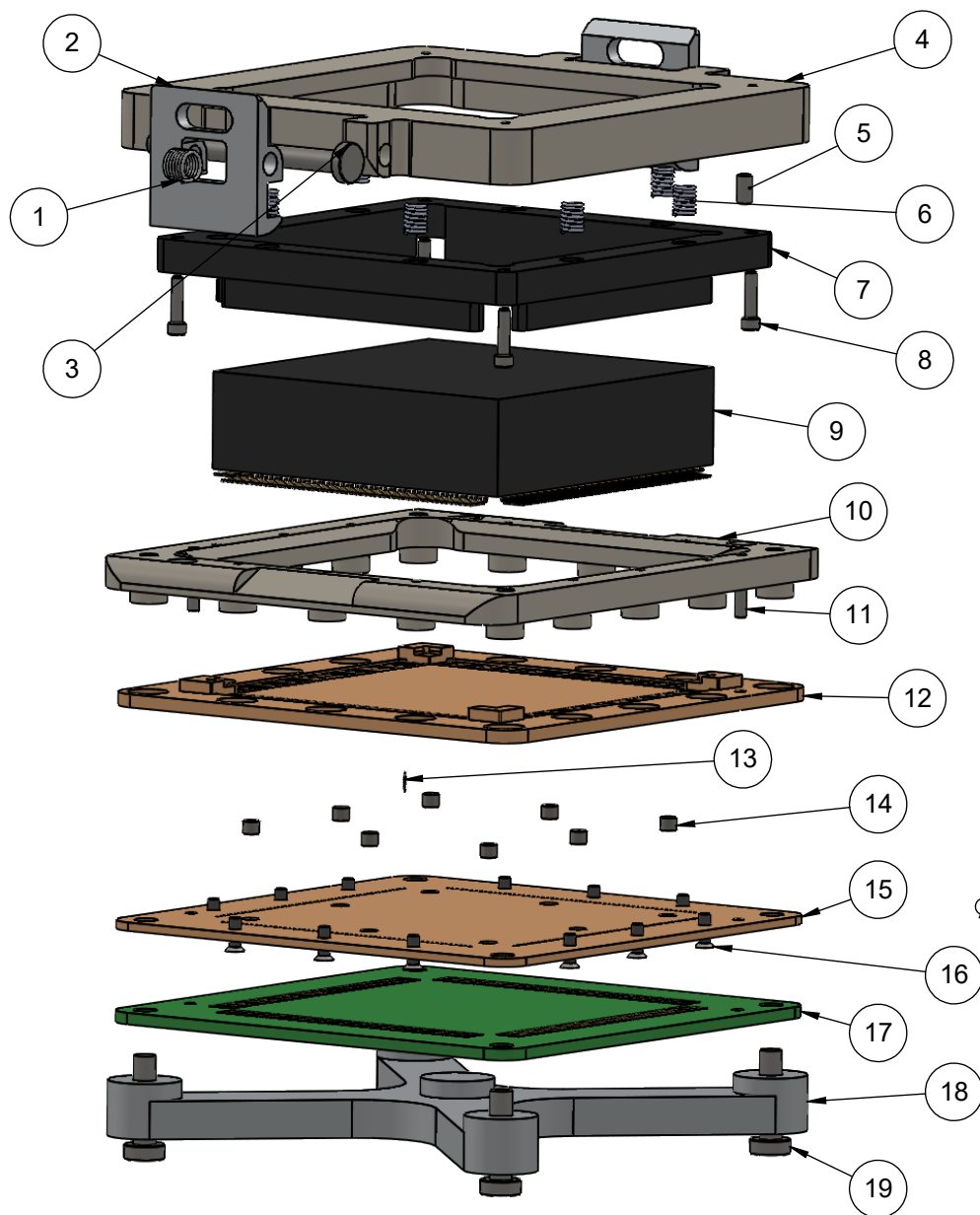
1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.

Description: Compatible IC

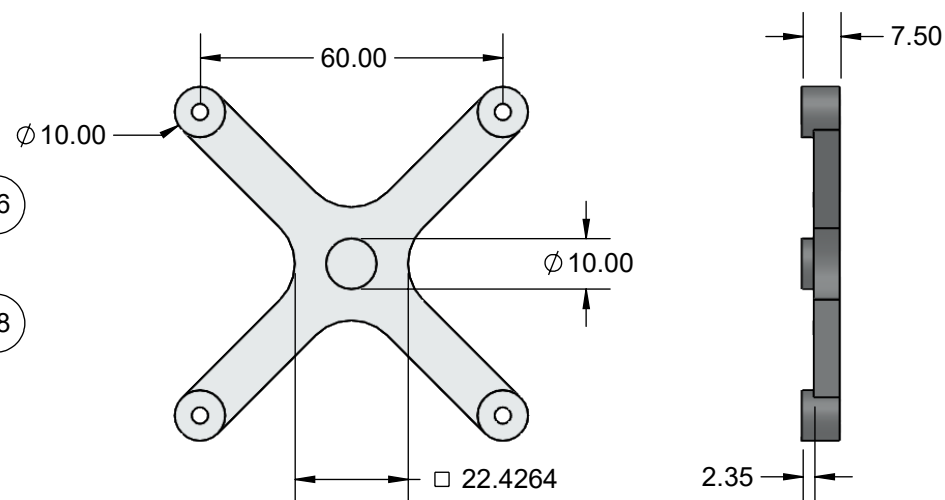
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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-QFE-3005 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 160.03	STATUS: Released	SHEET: 3 OF 4	REV. A
		ENG: B. Schatz	DRAWN BY: M. Raske	SCALE: 3:2
		FILE: CBT-QFE-3005 Dwg	DATE: 09/21/2014	



ITEM NO.	DESCRIPTION	Material
1	Torsion Spring	Steel
2	Latch	Aluminum
3	Hinge Pin and Snap Ring	Steel
4	Lid	Aluminum
5	Lid Dowel Pin	Steel
6	Compression Plate Spring	Steel
7	Compression Plate	Torlon
8	Lid Screw	Steel
9	Compatible IC	N/A
10	Socket Base	Aluminum
11	Base Dowel Pin	Steel
12	Floating Guide	Semitron MDS 100
13	Spring Pin	Au over Ni Plating
14	Floating Guide Spring	Steel
15	Bottom Guide	Semitron MDS 100
16	Pin Guide Screw	PEEK unfilled
17	Target PCB	N/A
18	Backing Plate	Aluminum
19	Mounting Screw	Steel



Backing Plate Detail

Description: Socket Assy, Insulation Plate

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-QFE-3005 Drawing



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

Material: N/A
Finish: N/A
Weight: 160.03

STATUS: Released

ENG: B. Schatz

FILE: CBT-QFE-3005 Dwg

SHEET: 4 OF 4

DRAWN BY: M. Raske

DATE: 09/21/2014

REV. A

SCALE: 1:1