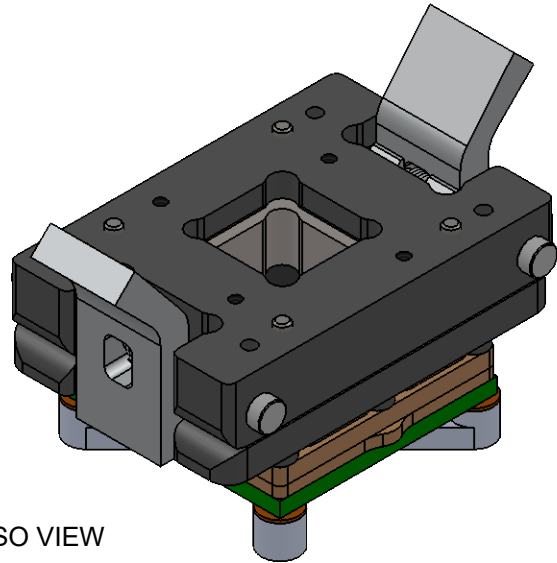


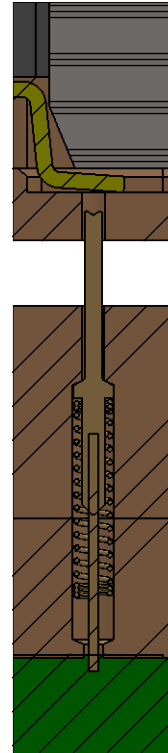
OPEN TOP DUAL LATCH CBT-QFE DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

FEATURES:

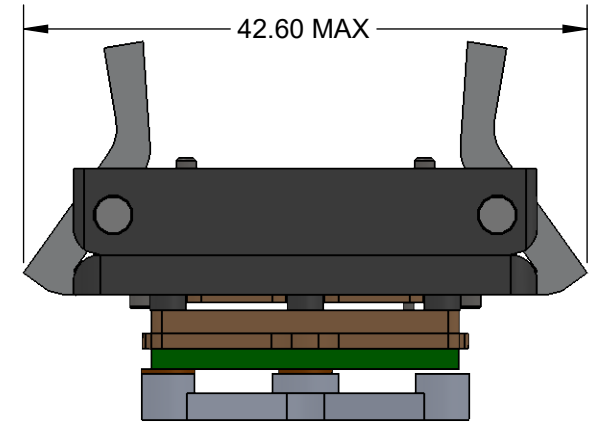
- Wide temperature range (-55C to +180C)
- High current capability (up to 4A)
- Excellent signal integrity at high frequencies
- Low and stable contact resistance for reliable production yield
- Highly compliant to accommodate wide co-planarity variations
- Automated probe manufacturing enables low cost and short lead time



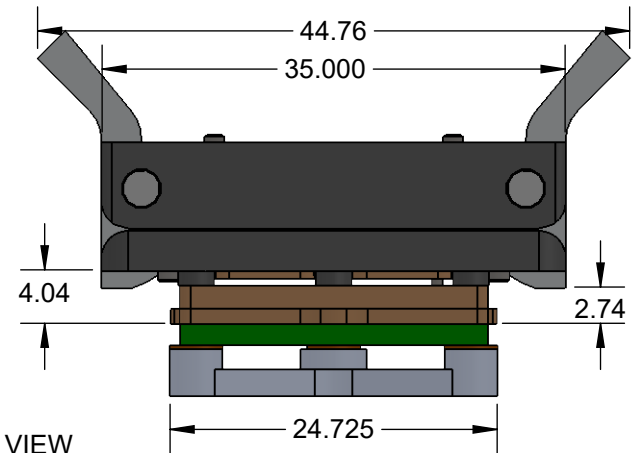
ISO VIEW



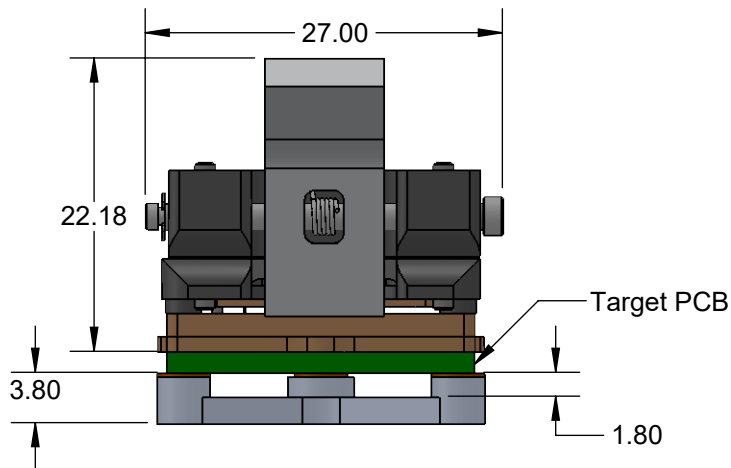
PINDETAIL
SCALE 16 : 1



LATCH - OPEN POSITION



SIDE VIEW




FRONT VIEW

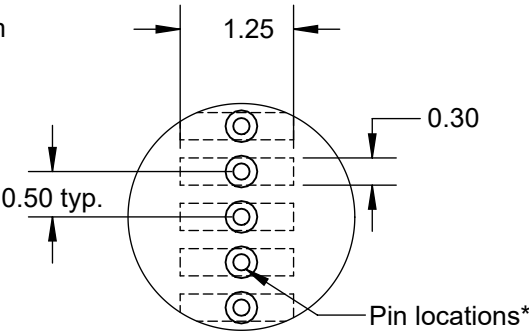
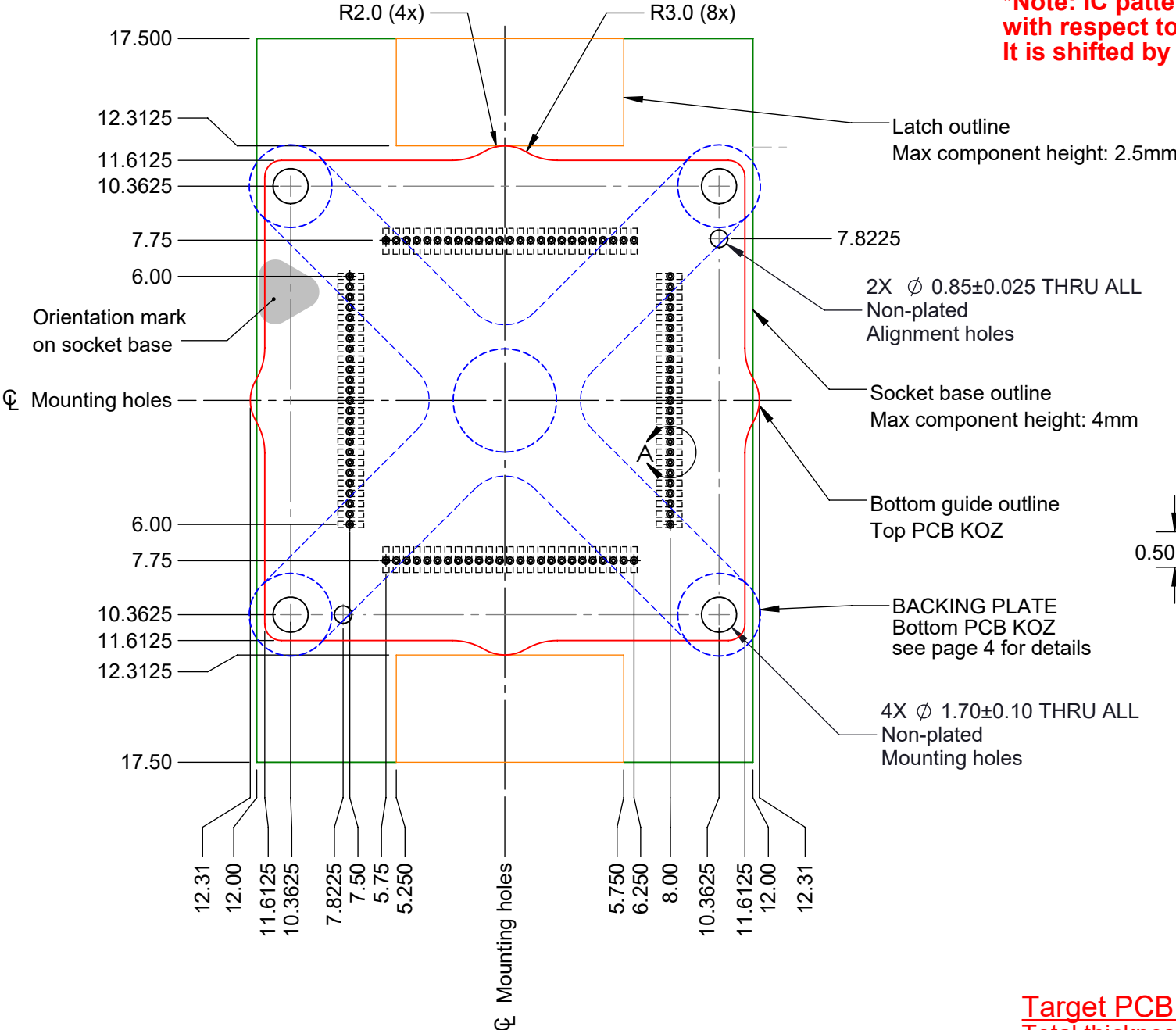
Description: Open Top CBT socket for 0.5mm pitch 14mm sq 16mm tip-tip 100 pin QFP package

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-3010 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 22.10	STATUS: Released ENG: B. Schatz FILE: CBT-QFE-3010 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 02/07/2017	REV. A SCALE: 7:4

***Note: IC pattern is not symmetrical with respect to the mounting holes. It is shifted by 0.25mm to the right of center.**




**DETAIL A
SCALE 12 : 1**

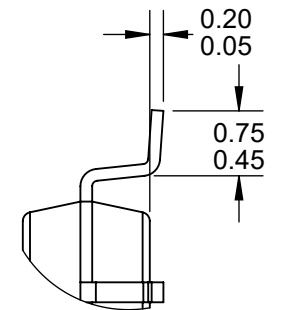
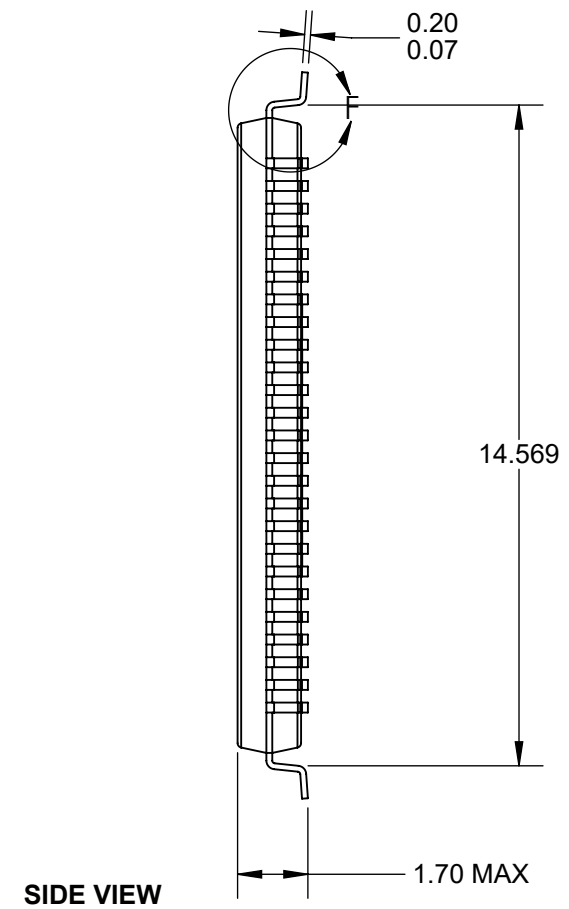
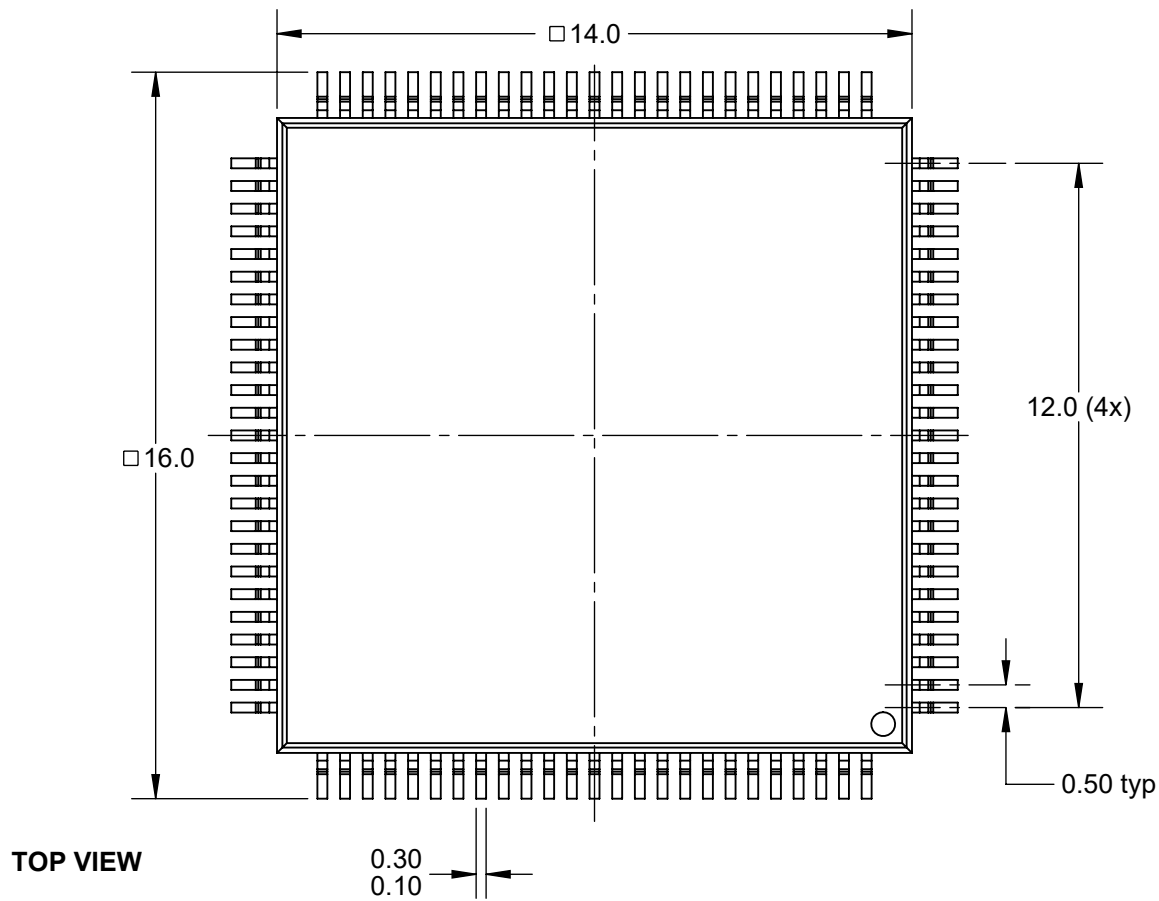
Description: Recommended PCB Layout

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 Design Recommendations:
Total thickness: 1.59mm min.
Plating: Gold or Solder finish

 CBT-QFE-3010 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 22.10	STATUS: Released ENG: B. Schatz FILE: CBT-QFE-3010 Dwg	SHEET: 2 OF 4 DRAWN BY: M. Raske DATE: 02/07/2017	REV. A SCALE: 7:2

Ironwood package code: QFE100SC




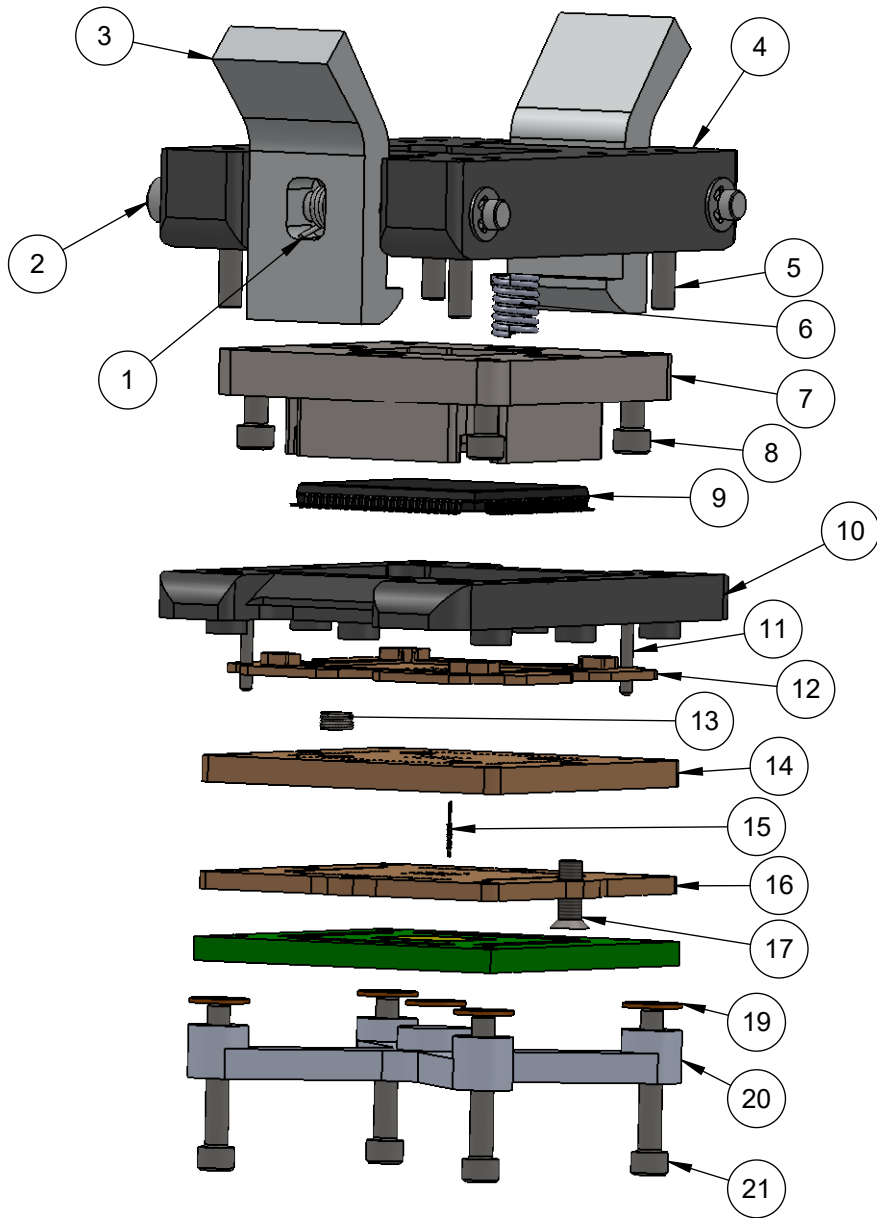
1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
5. Parallelism measurement shall exclude any effect of mark on top surface of package.

Description: Compatible Device

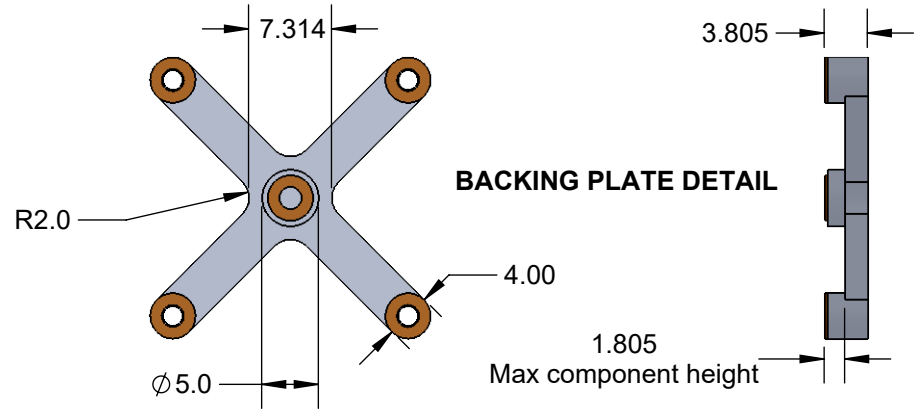
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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-3010 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 22.10	STATUS: Released ENG: B. Schatz FILE: CBT-QFE-3010 Dwg	SHEET: 3 OF 4 DRAWN BY: M. Raske DATE: 02/07/2017	REV. A SCALE: 6:1




ITEM NO.	DESCRIPTION	Material
1	Coil spring	Steel
2	Hinge pin and snap ring	Steel
3	Latch	Aluminum
4	Lid	Aluminum
5	Lid alignment pins	Steel
6	Compression spring	Steel
7	Compression plate	High temp plastic
8	Lid screws	Steel
9	Compatible device	N/A
10	Socket base	Aluminum
11	Alignment pin	Steel
12	Floating guide	High temp plastic
13	Floating guide spring	Steel
14	Middle guide	High temp plastic
15	Spring pin	Au over Ni plated
16	Bottom guide	High temp plastic
17	Pin guide screw	High temp plastic
18	Target PCB	N/A
19	Insulating washer	High temp plastic
20	Backing plate	Aluminum
21	Mounting screw	Steel
22	Snap ring for 2mm Hinge pin 0.15" OD	



Description: Socket Assy

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-3010 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 22.10	STATUS: Released ENG: B. Schatz FILE: CBT-QFE-3010 Dwg	SHEET: 4 OF 4 DRAWN BY: M. Raske DATE: 02/07/2017	REV. A SCALE: 2:1