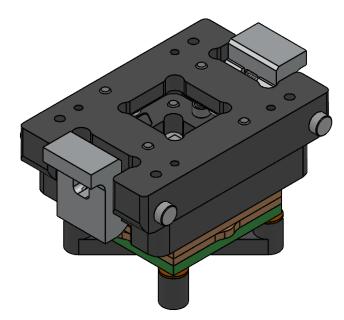
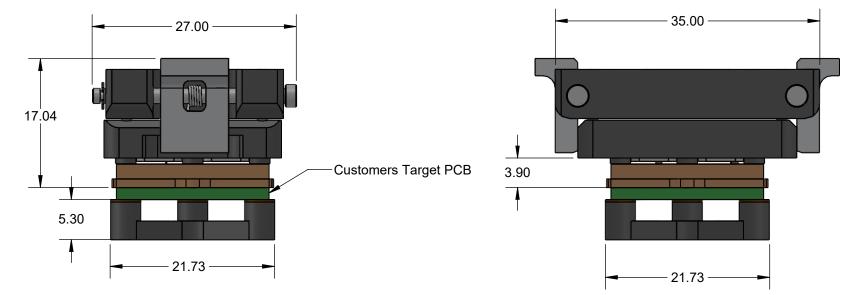
OPEN TOP DUAL LATCH CBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



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

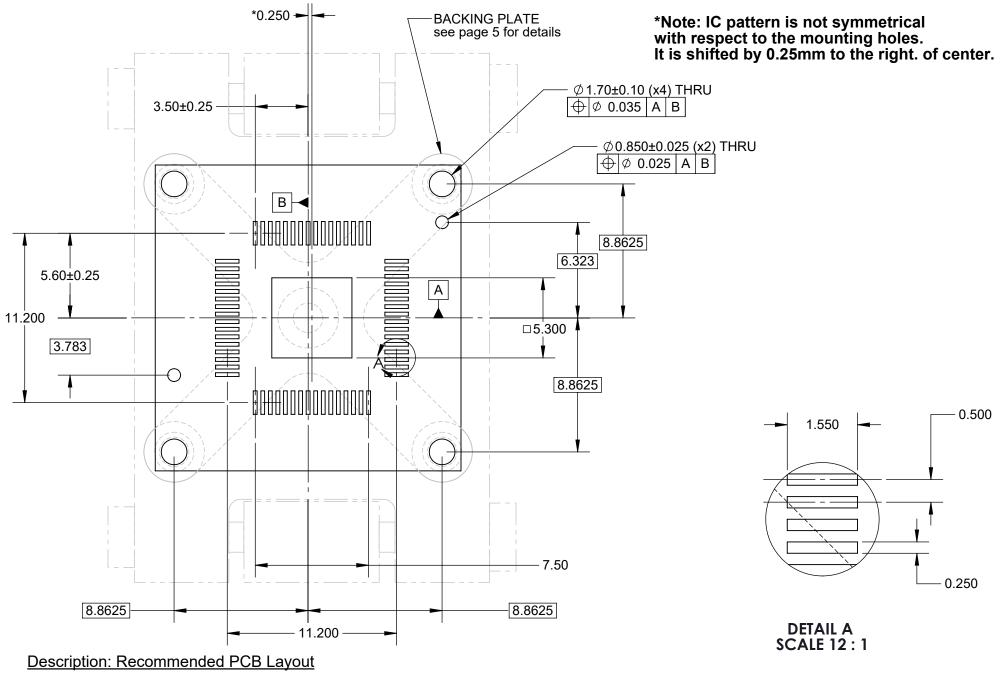


Description: Open Top CBT socket for 0.5mm pitch 10mm sq 12mm tip-tip 64 pin QFP package

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

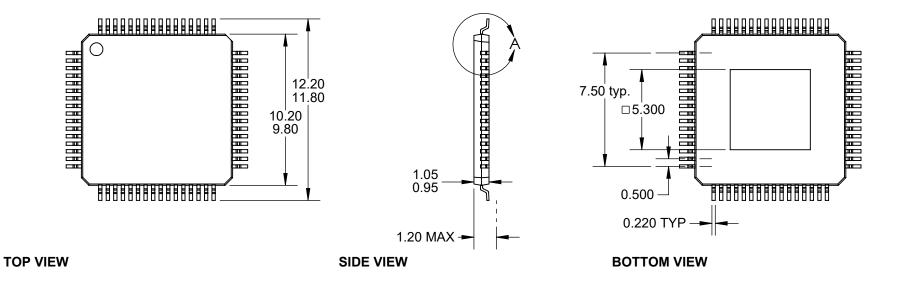
Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

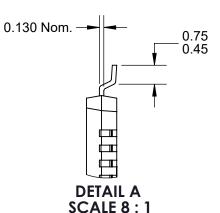
	STATUS: Quality Approval Pending	SHEET: 1 OF 6	REV. F	
Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: N/A Weight: 21.31	ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 2:1
www.ironwoodelectronics.com		FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014	



Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances</u>: 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-QFE-3001 Drawing		STATUS: Quality Approval Pending	SHEET: 2 OF 6	REV. F
Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: N/A Weight: 21.31	ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 4:1
www.ironwoodelectronics.com		FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014	





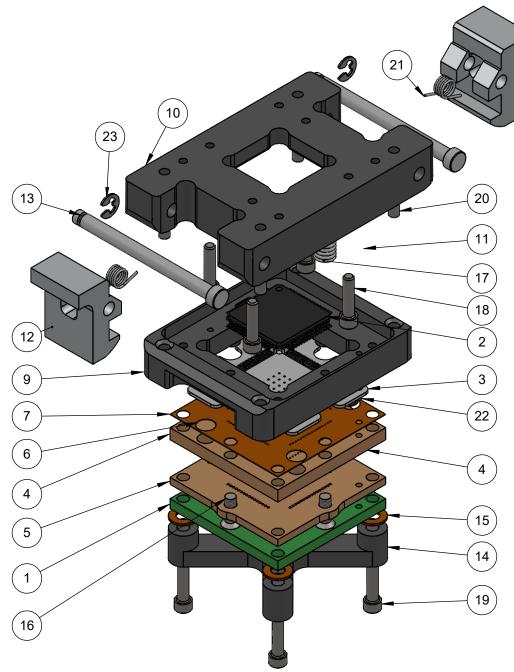
- 1. Dimensions are in millimeters.
- Interpret dimensions and tolerances per ASME Y14.5M-1994.
 Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
 Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
 Parallelism measurement shall exclude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

	Material: N/A	STATUS: Quality Approval Pending	SHEET: 3 OF 6	REV. F
Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: N/A Weight: 21.31	ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 4:1
www.ironwoodelectronics.com		FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014	



Description: Socket Assy, Insulation Plate

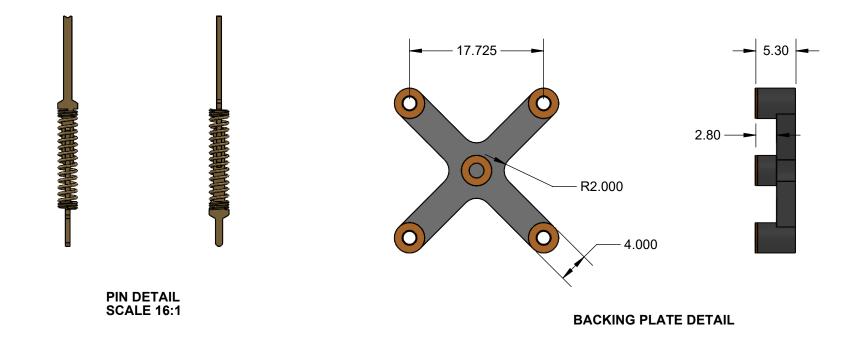
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances</u>: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

CB	T-QFE-3001	Drawing
•	Ironwood Ele Tele: (800 www.ironwood) 404-0204

3	Material: N/A
IC.	Finish: N/A Weight: 21.31
com	U U

ITEM NO.	DESCRIPTION	Material	
1	Target PCB QFE64SD 0.5mm pitch 10mm sq body 12mm tip to tip	FR4 High temp	
2	CFE TQFP64_w_E_PAD TEST CHIP	Material <not specified=""></not>	
3	CBT-QFE64 Floating spring pin guide	PEEK Ceramic filled	
4	Middle guide QFE64 12x12mm T-T	Semitron MDS 100	
5	Bottom CBT pin guide QFE64	Semitron MDS 100	
6	Floating Guide Spring	Alloy Steel (SS)	
7	Pin Orientation Guide QFE64	Kapton Polyimide/Cirlex	
8	Stamped Pin, 0.4mm SBT-BGA	N/A	
9	Base, CBT double latch	7075-T6 Alumium Alloy	
10	Lid, double latch socket	7075-T6 Alumium Alloy	
11	Compression plate QFE64 0.5mm pitch	PEEK	
12	Z latch; 2mm, 9.00x12.44x8.00; 2.35x5.2	7075-T6 Alumium Alloy	
13	Hinge Pin, 2mm OD, 24mm Lg, SS	Stainless Steel (303)	
14	15x15mm Clamshell Backing Plate	7075-T6 Aluminum Alloy	
15	Insulating washer, 4mm OD.	Kapton Polyimide/Cirlex	
16	#0-80, 90 deg., head pin guide screw, Peek material	PEEK unfilled	
17	302SS Comp. Spring .375" Length, .125" OD, .016" Wire Dia.	Stainless Steel (302)	
18	#0-80 X .25 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel	
19	#0-80 x 0.5, SH Cap Screw	Alloy Steel	
20	Dowel Pin, M1.5 X 5mm LG, Hardened Steel	AISI 347 Annealed Stainless Steel (SS)	
21	Coil Spring, 180 0.109" OD, SS	Stainless Steel (302)	
22	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)	
23	Snap ring for 2mm Hinge pin 0.15" OD		

STATUS: Quality Approval Pending	SHEET: 4 OF 6	REV. F
ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 2:1
FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014	



Description: PIN, BACKING PLT DETAIL

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances</u>; 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-QFE-3001 Drawing		STATUS: Quality Approval Pending	SHEET: 5 OF 6	REV. F
Ironwood Electronics, Inc.	Tele: (800) 404-0204 Weight: 21.31	ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 2:1
		FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014	

Rev	Date	Initials	Description
B	2/26/19 MR latch re-design		Replaced plastic screws with peek screws
С			
D	4/27/21	MR	added missing dims per MAF
E	08/12/21	ELS	Changed plastic latch to metal one.
F	F 2/28/23 MR		Obsolete spring pin changed to new model

Description: Revision History

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

<u>Tolerances</u>: 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.

	©2018 Ironwood Electronics, Inc. Finish:	STATUS: Quality Approval Pending	SHEET: 6 OF 6	REV. F
©2018 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 2:1
			FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014