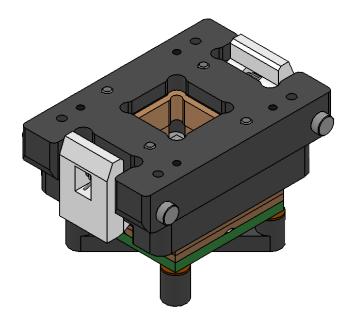
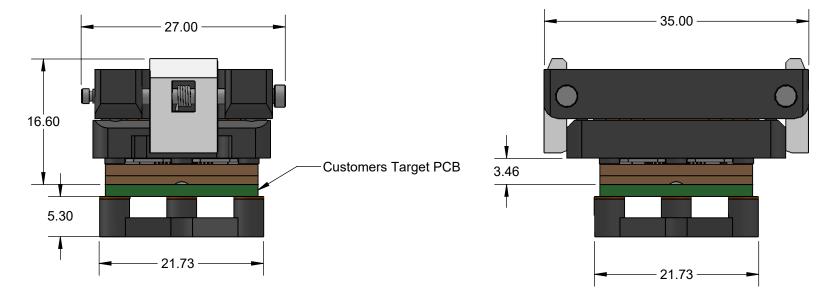
OPEN TOP DUAL LATCH CBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



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

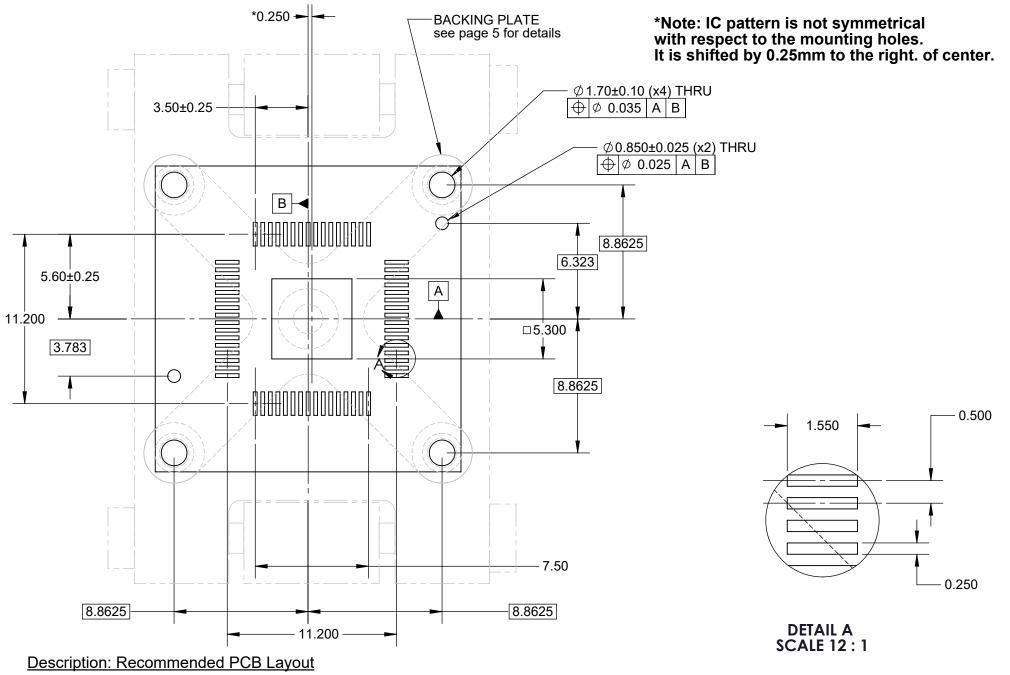


Description: Open Top CBT socket for 0.5mm pitch 10mm sg 12mm tip-tip 64 pin QFP package

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

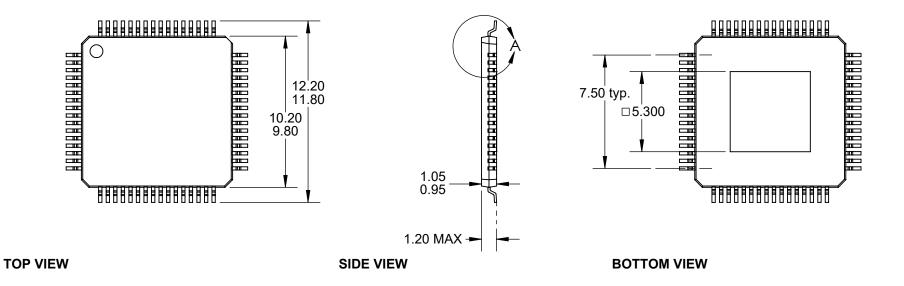
Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

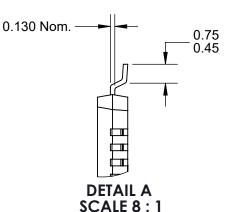
CBT-QFE-3001 Drawing		Material: N/A	STATUS: Released	SHEET: 1 OF 5	REV. B	
8	Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: N/A Weight: 19.61	ENG: S, Faiz	DRAWN BY: M. Raske	SCALE: 2:1	
	www.ironwoodelectronics.com		FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014		



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	Material: N/A	STATUS: Released	SHEET: 2 OF 5	REV. B
Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: N/A Weight: 19.61	ENG: S, Faiz	DRAWN BY: M. Raske	SCALE: 4:1
www.ironwoodelectronics.com	5	FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014	



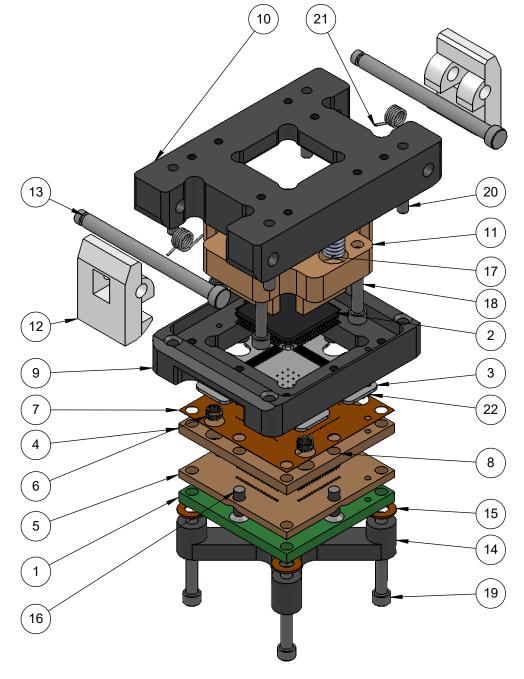


- 1. Dimensions are in millimeters.
- Interpret dimensions and tolerances per ASME Y14.5M-1994.
 Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
 Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
 Parallelism measurement shall exclude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

CBT-QFE-3001 Drawing	Finish: N/A	STATUS: Released	SHEET: 3 OF 5	REV. B
Ironwood Electronics, Inc. Tele: (800) 404-0204		ENG: S, Faiz	DRAWN BY: M. Raske	SCALE: 4:1
www.ironwoodelectronics.com	Weight. 10.01	FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014	



ITEM NO.	DESCRIPTION	Default/QTY.	Material
1	Target PCB QFE64SD 0.5mm pitch 10mm sq body 12mm tip to tip	1	FR4 High temp
2	CFE TQFP64_w_E_PAD TEST CHIP	1	Material <not specified=""></not>
3	CBT-QFE64 Floating spring pin guide	1	PEEK Ceramic filled
4	Middle guide QFE64 12x12mm T-T	1	Semitron MDS 100
5	Bottom CBT pin guide QFE64	1	Semitron MDS 100
6	Floating Guide Spring	4	Alloy Steel (SS)
7	Pin Orientation Guide QFE64	1	Kapton Polyimide/Cirlex
8	SBT Pin, 0.4mm pitch	80	N/A
9	Base, CBT double latch	1	7075-T6 Alumium Alloy
10	Lid, double latch socket	1	7075-T6 Alumium Alloy
11	Compression plate QFE64 0.5mm pitch	1	Ultem 1000
12	Clamshell Latch Snap Lid Socket	2	PPS/Ultem
13	Hinge Pin, 2mm OD, 24mm Lg, SS	2	Stainless Steel (303)
14	15x15mm Clamshell Backing Plate	1	7075-T6 Aluminum Alloy
15	Insulating washer, 4mm OD.	5	Kapton Polyimide/Cirlex
16	#0-80, 90 deg., head pin guide screw, Peek material 302SS Comp. Spring .375"	4	PEEK unfilled
17	Length, .125" OD, .016" Wire Dia.	4	Material <not specified=""></not>
18	#0-80 X .25 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	4	Alloy Steel
19	#0-80 x 0.5, SH Cap Screw	4	Alloy Steel
20	Dowel Pin, M1.5 X 5mm LG, Hardened Steel	4	AISI 347 Annealed Stainless Steel (SS)
21	Coil Spring, 180 0.109" OD, SS	2	Stainless Steel (302)
22	Dowel pin, 1/32" X 1/4", SS	2	Stainless Steel (18-8)

Description: Socket Assy, Insulation Plate

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

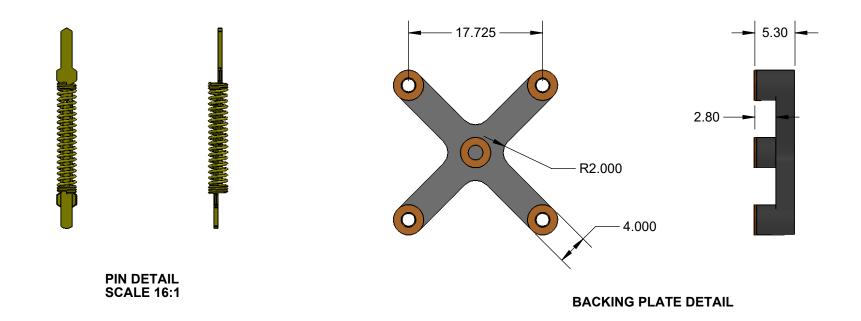
Tolerances: Hole diameters ± 0.03 mm [± 0.001 "], Pitches (from true position) ± 0.025 mm [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances ± 0.13 mm [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without notice.



СВ	T-QFE-3001 Drawing
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com

	Material: N/A
,	Finish: N/A Weight: 19.61
ı	Weight: 19.61

STATUS: Released	SHEET: 4 OF 5	REV. B
ENG: S, Faiz	DRAWN BY: M. Raske	SCALE: 2:1
FILE: CBT-QFE-3001 Dwg	DATE: 01/15/2014	



			Rev				escription	
Description: PIN, BACKING PLT DETAIL							ed plastic screws eek screws	
^o rimary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>[olerances:</u> Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all her tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.								
CBT-QFE-3001 Drawing	Material: N/A	STATUS: Released	SHEE	SHEET: 5 OF 5 DRAWN BY: M. Raske			REV. B	
Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: N/A Weight: 19.61	ENG: S, Faiz	DRAV				SCALE: 2:1	
www.ironwoodelectronics.com	Weight. 10.01	FILE: CBT-QFE-3001 Dwg	DATE	DATE: 01/15/2014				