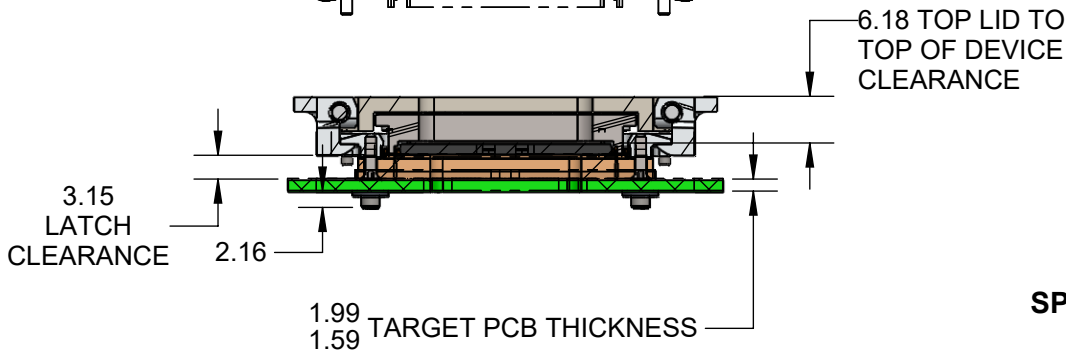
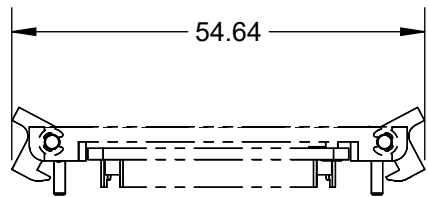
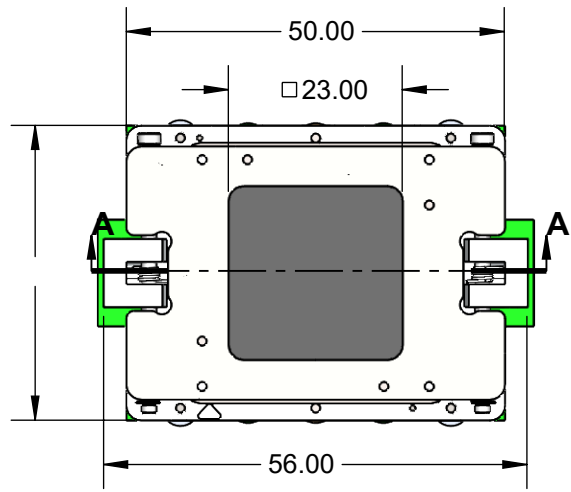


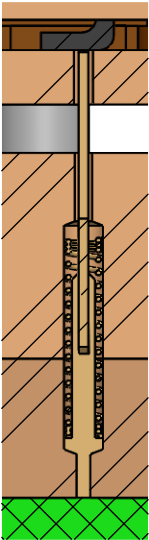
CBT-QFP DIRECT MOUNT, SOLDERLESS SOCKET FOR
BURN-IN AND TEST APPLICATIONS



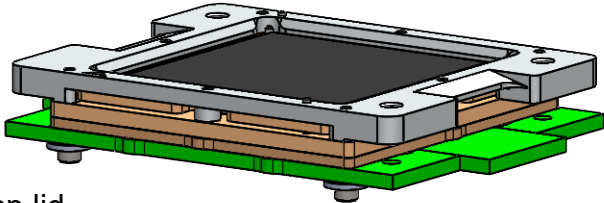
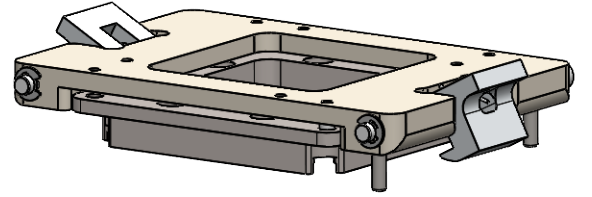
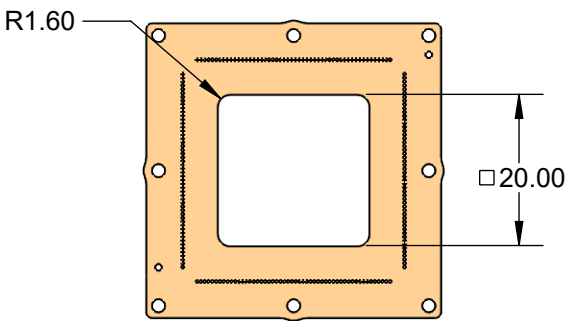
SECTION A-A
SCALE 1 : 1

Torque mounting screws (x4) approx. 8 OZF-IN.

- FEATURES:
- Wide temperature range (-55C to +180C)
 - High current capability (up to 1.8A)
 - Excellent signal integrity at high frequencies
 - Low and stable contact resistance for reliable production yield
 - Highly compliant to accommodate wide co-planarity variations



SPRING PIN DETAIL

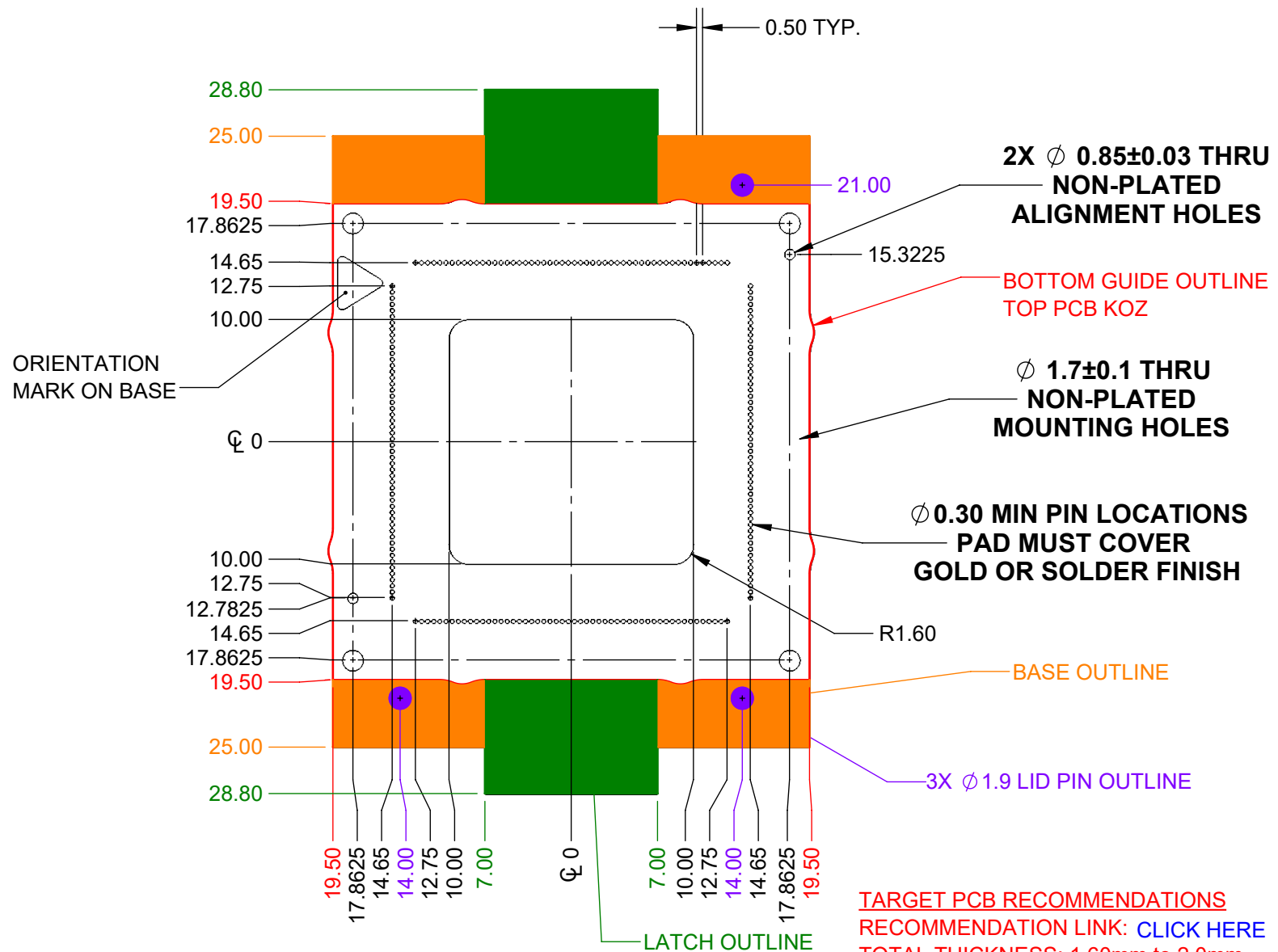


Description: CBT-QFE208 30mm T2Tmm, 28mm body, 0.5mm pitch with low profile open top snap lid

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-3049 Drawing		Material: N/A Finish: N/A Weight: 29.95	STATUS: Released	SHEET: 1 OF 4	REV. A
	©2026 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		ENG: S. Huang	DRAWN BY: G. Coleman	SCALE: 5:4
			FILE: CBT-QFE-3049 Dwg	DATE: 07/09/2026	

Required PCB thickness: 1.6mm - 2.0mm



Description: Recommended PCB Layout

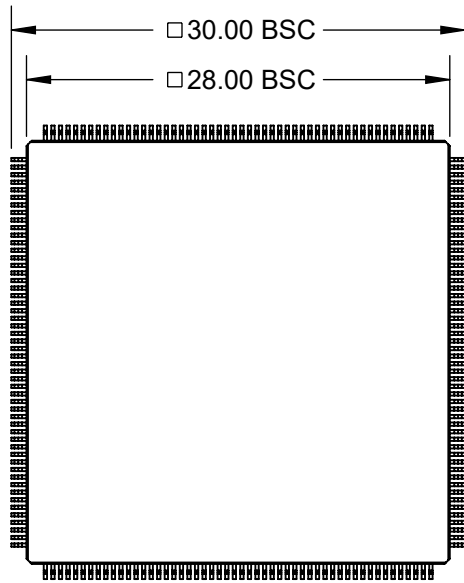
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

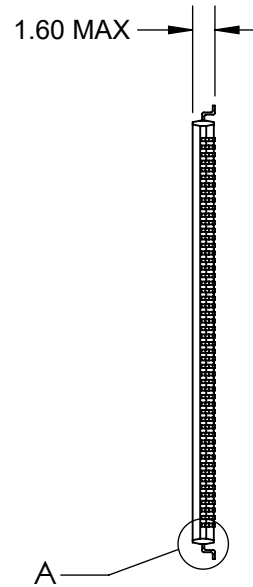
TARGET PCB RECOMMENDATIONS
RECOMMENDATION LINK: [CLICK HERE](#)
TOTAL THICKNESS: 1.60mm to 2.0mm
PLATING: GOLD OR SOLDER FINISH
PAD HEIGHT: SAME OR HIGHER THAN SOLDER MASK
PADS MUST BE FREE OF PROTECTIVE COATINGS

 CBT-QFE-3049 Drawing ©2026 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 29.95	STATUS: Released	SHEET: 2 OF 4	REV. A
		ENG: S. Huang	DRAWN BY: G. Coleman	SCALE: 2:1
		FILE: CBT-QFE-3049 Dwg	DATE: 07/09/2026	

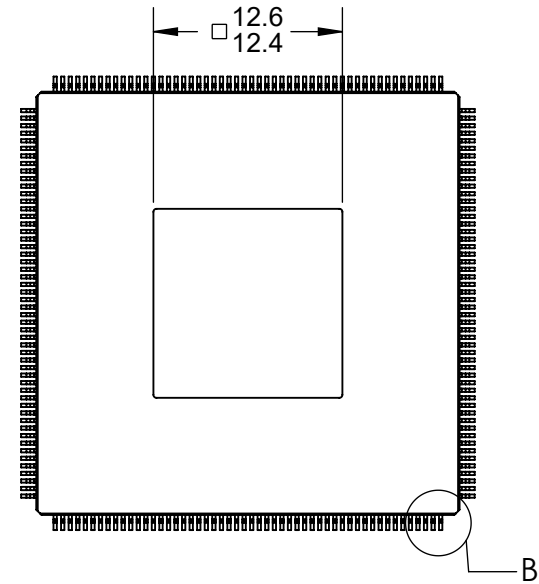
IRONWOOD PACKAGE CODE QFE208SA



TOP VIEW

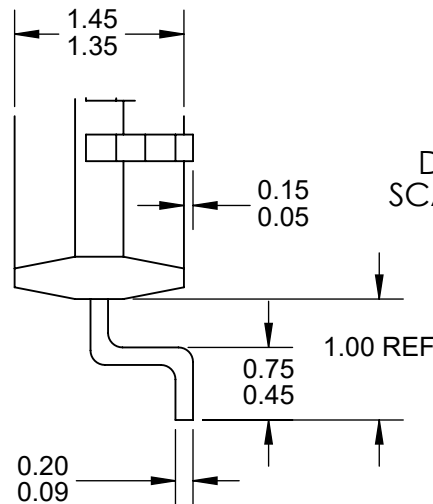


SIDE VIEW

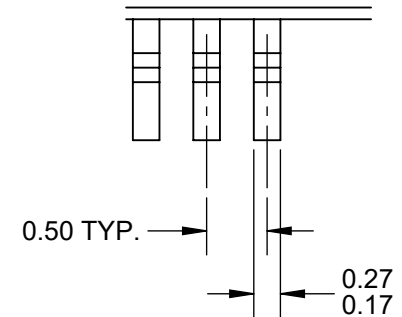


BOTTOM VIEW

DETAIL A
SCALE 16 : 1



DETAIL B
SCALE 16 : 1



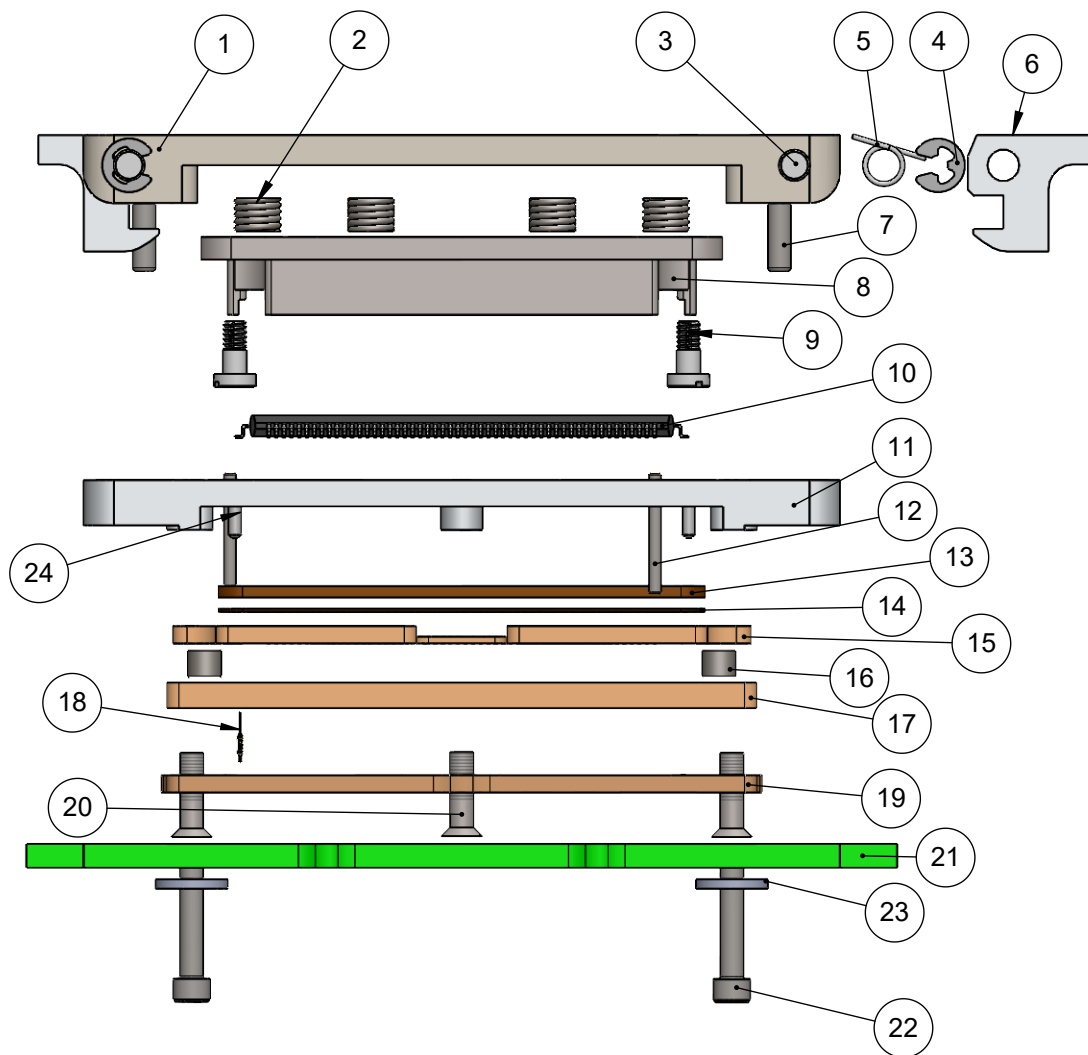
1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.

Description: Compatible device

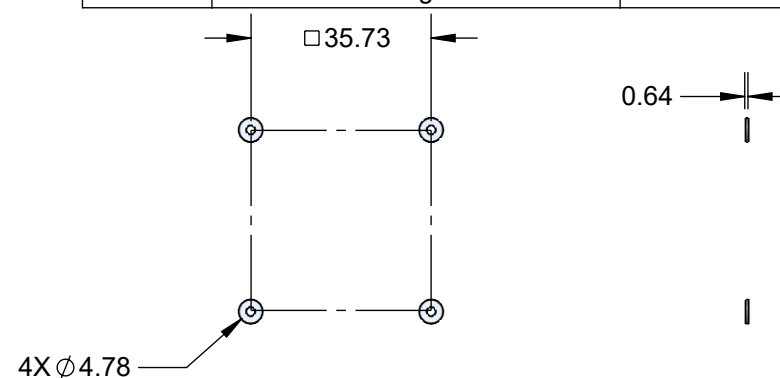
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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-3049 Drawing  ©2026 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 29.95	STATUS: Released ENG: S. Huang FILE: CBT-QFE-3049 Dwg	SHEET: 3 OF 4 DRAWN BY: G. Coleman DATE: 07/09/2026	REV. A SCALE: 2:1
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ITEM NO.	DESCRIPTION	MATERIAL
1	Socket Lid for QFE208 0.5mm pitch	Aluminum
2	Compression spring	Steel
3	Hinge pin	Steel
4	Snap ring	Steel
5	Latch spring	Steel
6	Latch	Aluminum
7	Lid alignment pin	Steel
8	Compression plate for QFE208 0.5mm pitch	High temp plastic
9	Compression plate screw	Steel
10	Compatible device	N/A
11	Base	Aluminum
12	Base alignment pin	Steel
13	Body guide	High temp plastic
14	Lead guide	High temp plastic
15	Floating guide	High temp plastic
16	Floating guide spring	Steel
17	Middle guide QFE208 0.5mm pitch	High temp plastic
18	Spring pin	Au over Ni plated
19	Bottom guide	High temp plastic
20	Pin guide screw	High temp plastic
21	Target PCB	N/A
22	Mounting screw	Steel
23	Washer, #0 x .025", Nylon	Nylon 6/6
24	Alignment Pin 1/32" dia. x 1/8" lng	Chrome Stainless Steel



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-3049 Drawing		STATUS: Released	SHEET: 4 OF 4	REV. A
 ©2026 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A	ENG: S. Huang	DRAWN BY: G. Coleman	SCALE: 2:1
	Finish: N/A	FILE: CBT-QFE-3049 Dwg	DATE: 07/09/2026	
	Weight: 29.95			