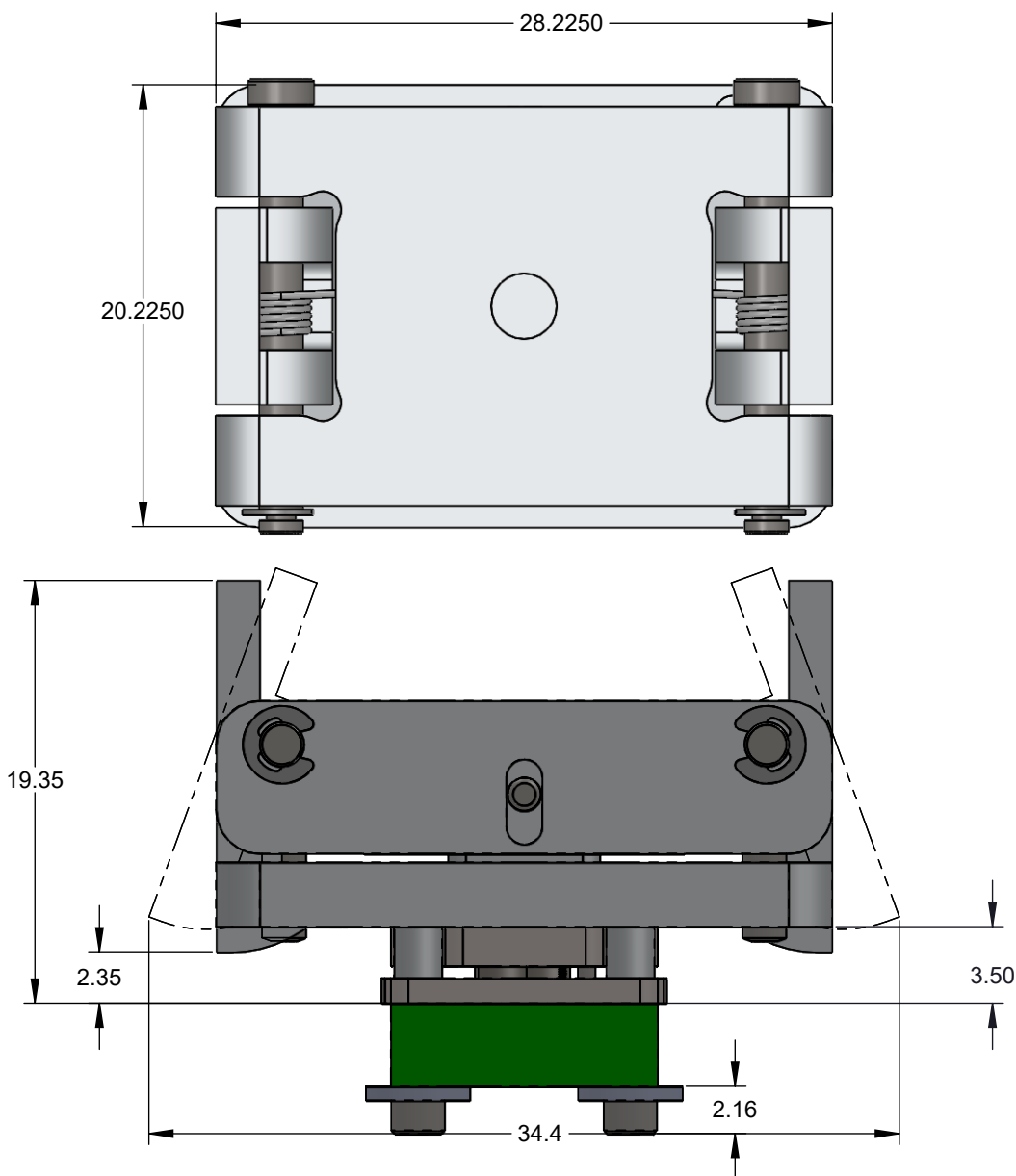
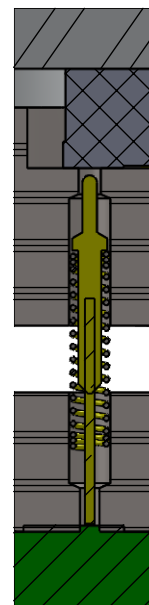


CBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

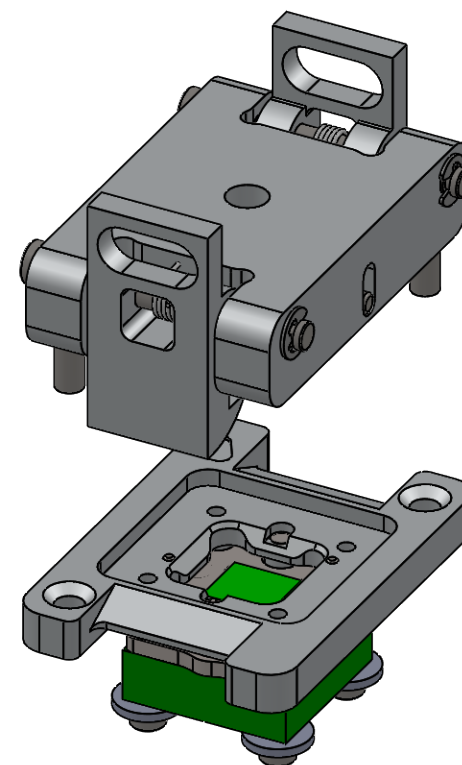


Features

- 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.
- Automated probe manufacturing enables low cost and short lead time.



PIN DETAIL



Description: CBT socket for 5mm x 5mm QFN32

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-QFN-7016 Drawing



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

Material: N/A
Finish: N/A
Weight: 15.27

STATUS: Released

ENG: E. Smolentseva

FILE: CBT-QFN-7016 Dwg

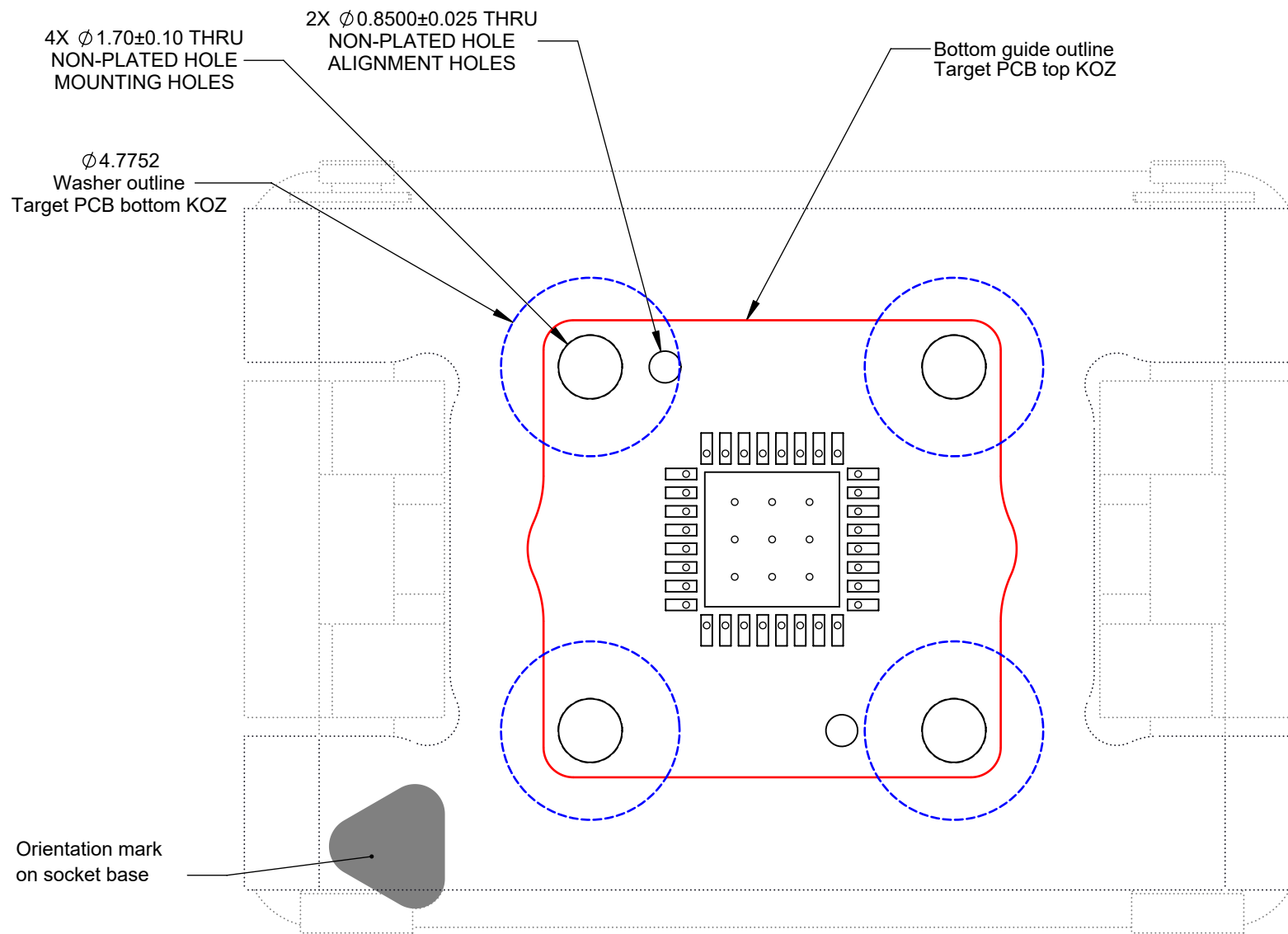
SHEET: 1 OF 4

DRAWN BY: E. Smolentseva

DATE: 7/21/2011

REV. D

SCALE: 3:1



Description: Recommended PCB layout

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.

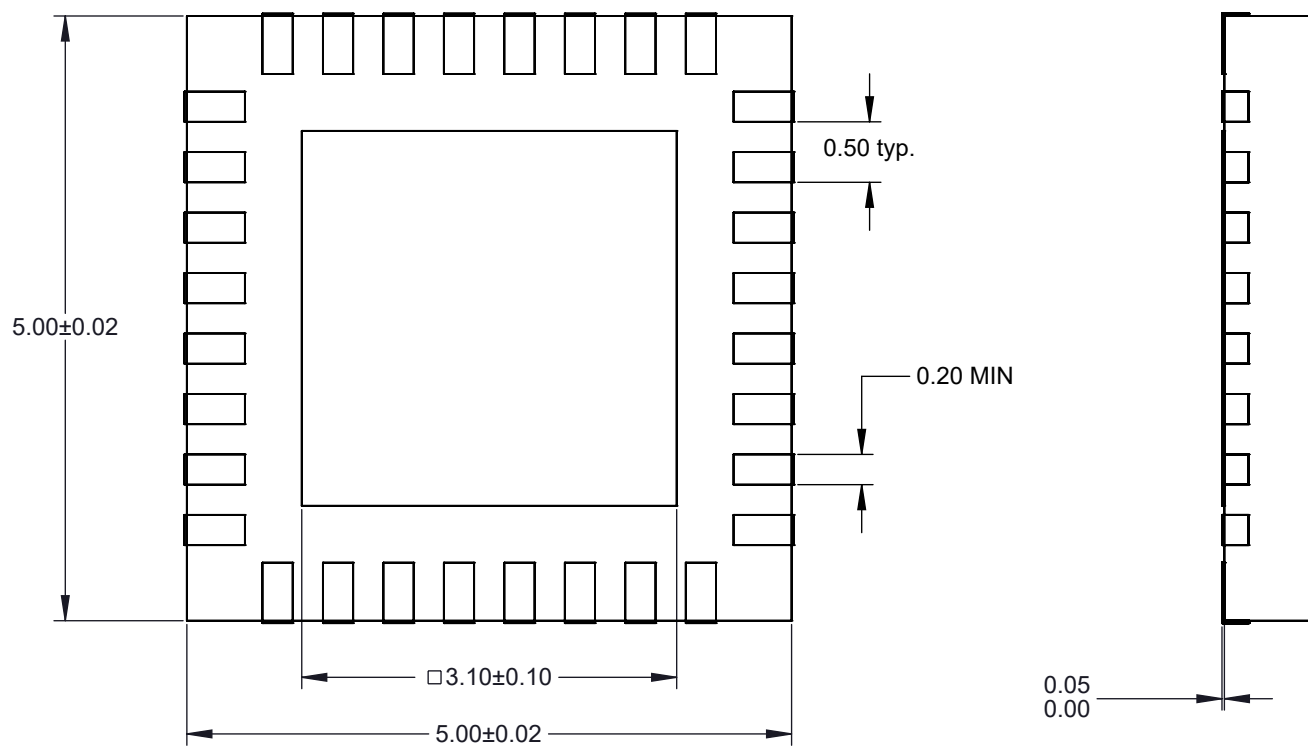
Target PCB Recommendations

Total thickness: 1.6mm min.

Plating: Gold or Solder finish

PCB Pad height: Same or higher than solder mask

CBT-QFN-7016 Specification		STATUS: Released	SHEET: 2 OF 4	REV. D
 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A	ENG: E. Smolentseva	DRAWN BY: E. Smolentseva	SCALE: 6:1
	Finish: N/A	FILE: CBT-QFN-7016 Dwg	DATE: 7/21/2011	
	Weight: 15.27			




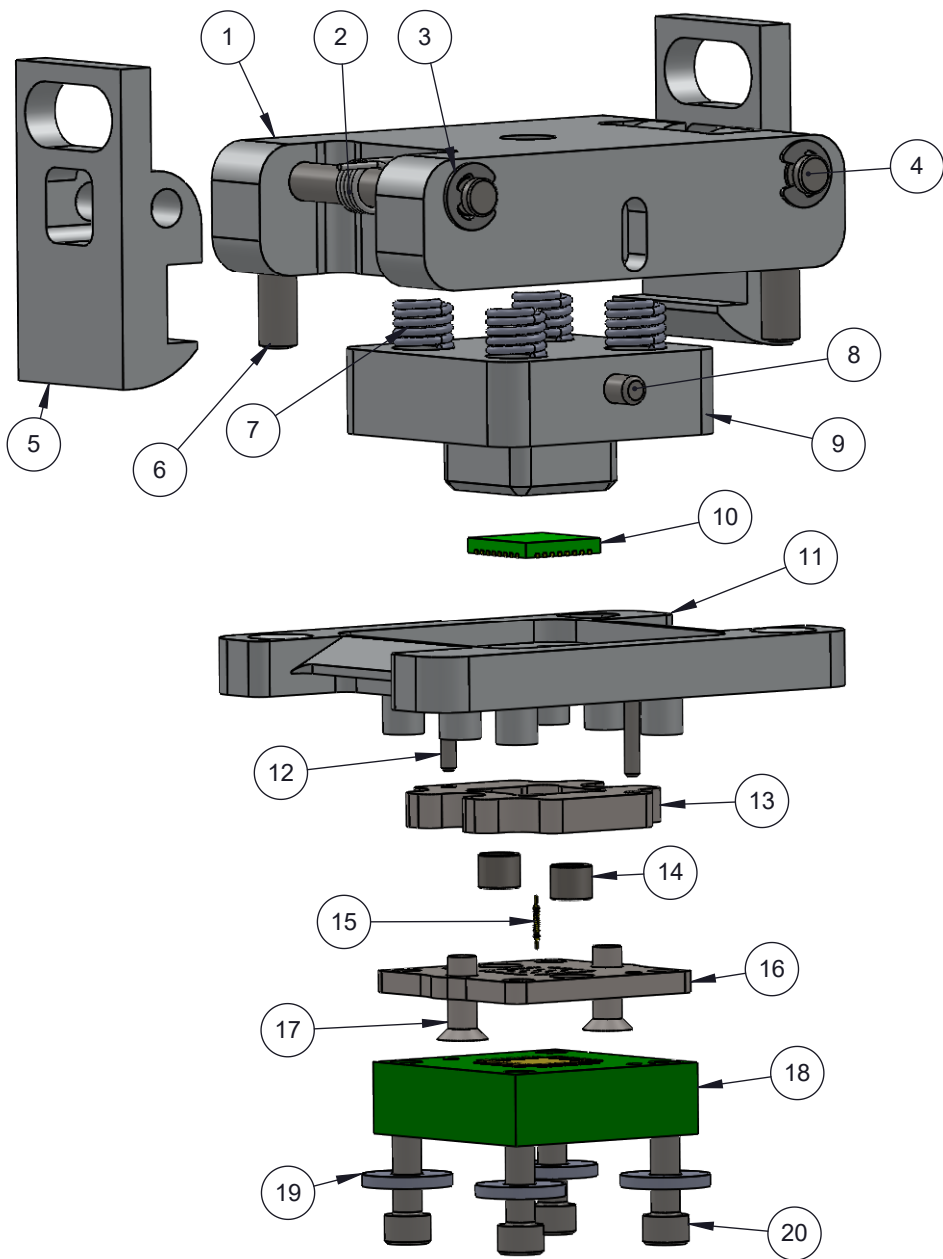
1. Dimensions are in millimeters.

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-QFN-7016 Specification		STATUS: Released	SHEET: 3 OF 4	REV. D
 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 15.27	ENG: E. Smolentseva	DRAWN BY: E. Smolentseva	SCALE: 16:1
		FILE: CBT-QFN-7016 Dwg	DATE: 7/21/2011	



ITEM NO.	DESCRIPTION	MATERIAL
1	Lid	Aluminum
2	Coil spring	Steel
3	Snap ring	Steel
4	Hinge pin	Steel
5	Latch	Aluminum
6	Lid alignment pin	Steel
7	Compression plate spring	Steel
8	Lid pin	Steel
9	Compression plate	Aluminum
10	Compatible device	N/A
11	Socket base	Aluminum
12	Alignment pin	Steel
13	Floating guide	High temp plastic
14	Floating guide spring	Steel
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	Washer	High temp plastic
20	Mounting screw	Steel

Rev	Date	Initials	Description
A	07/21/11	ELS	Original
B	5/14/13	GL	Revised exploded view for clarity
C	05/13/14	DH	IC Guide changed to Torlon
D	6/9/16	BJS	Updated design for new pin and floating guide design, changed mounting to screws from bottom side and changed to 4 compression springs in place of 1 wave spring

Description: Skt, Insulation Plate, Pin Det

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-QFN-7016 Specification



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

Material: N/A
Finish: N/A
Weight: 15.27

STATUS: Released

ENG: E. Smolentseva

FILE: CBT-QFN-7016 Dwg

SHEET: 4 OF 4

DRAWN BY: E. Smolentseva

DATE: 7/21/2011

REV. D

SCALE: 5:2