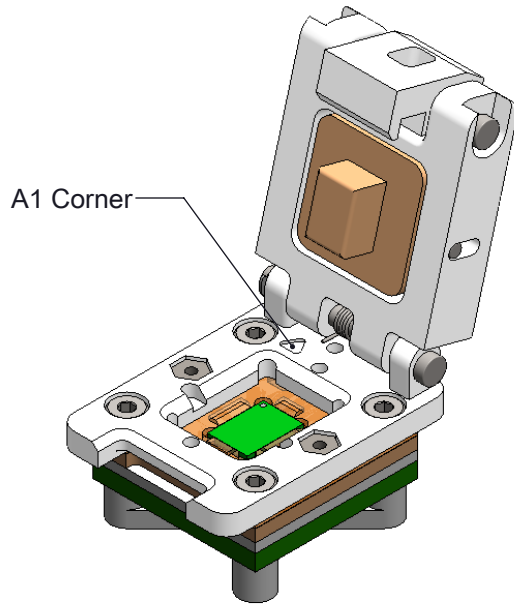
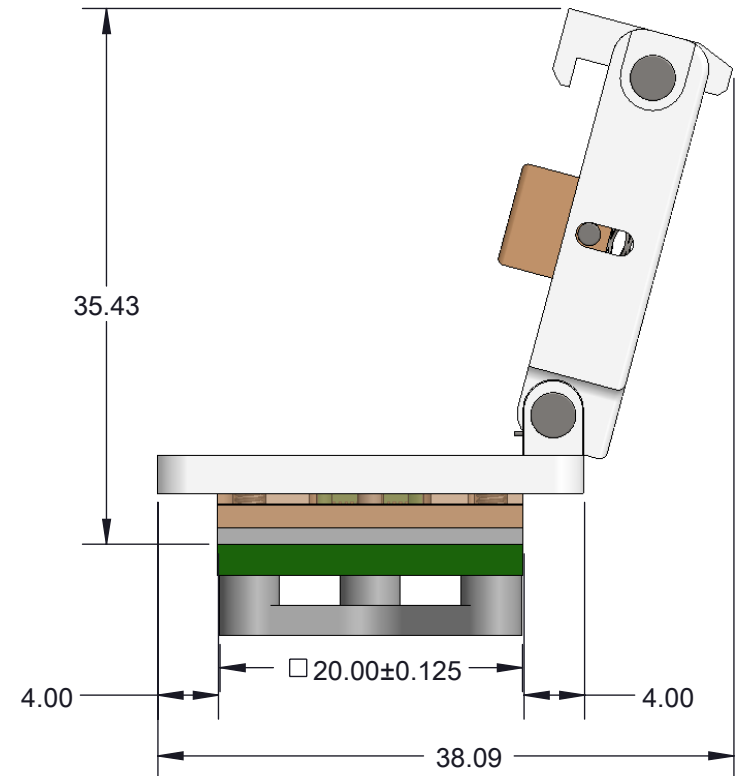
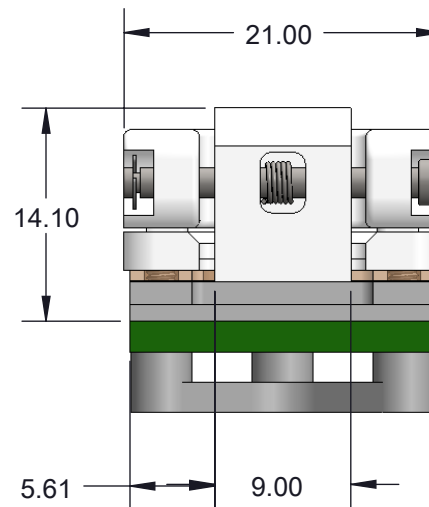
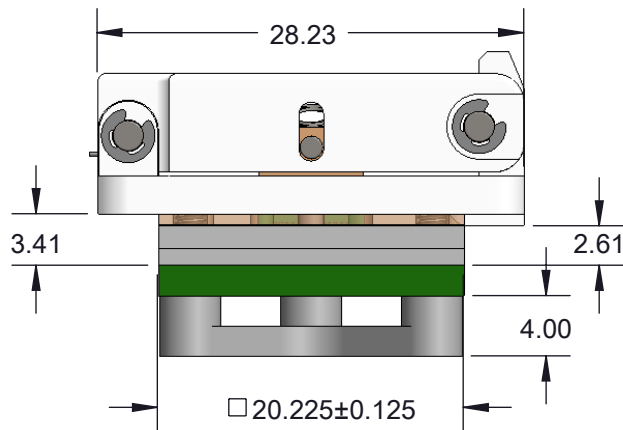


CBT-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



FEATURES:

- Wide temperature range (-55C to +155C)
- 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: Clam shell spring pin socket for 5mm x 7mm QFN44

Primary dimension units are millimeters, Secondary dimension units are [inches].

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-7025 Drawing



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

Material: Material <not specified>
Finish:
Weight: 12.07

STATUS: Released

DRAWN BY: E. Smolentseva

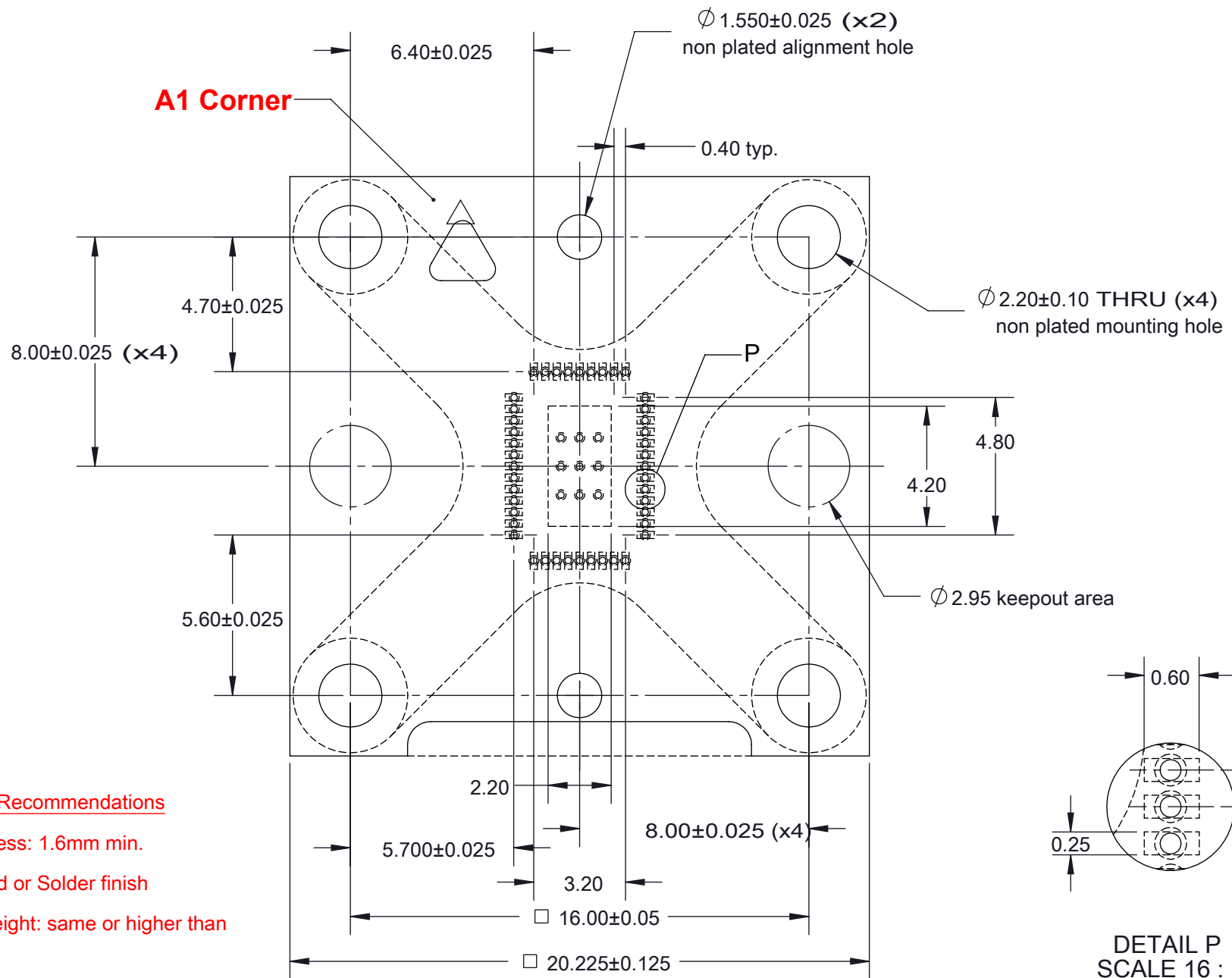
FILE: CBT-QFN-7025 Dwg

SHEET: 1 OF 5

SCALE: 2:1

DATE: 5/10/12

REV. A




Target PCB Recommendations

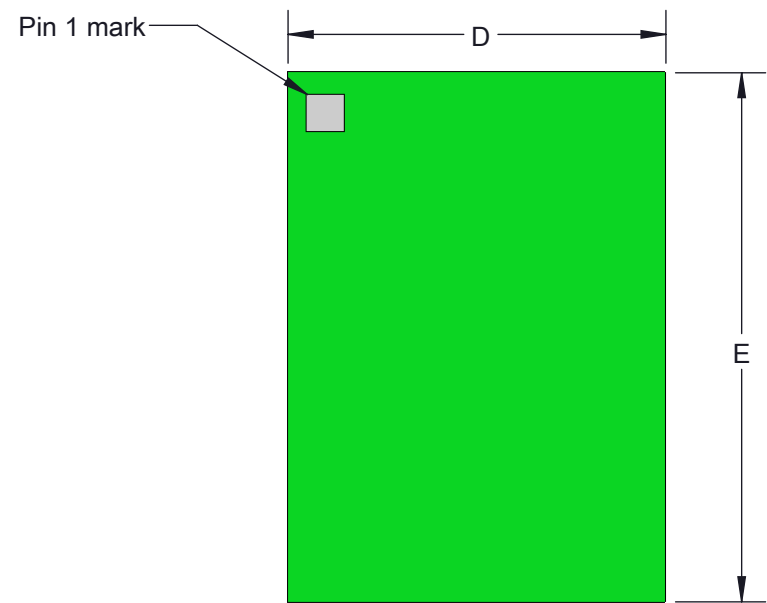
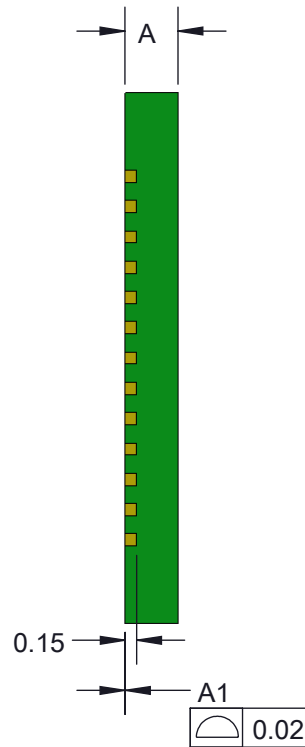
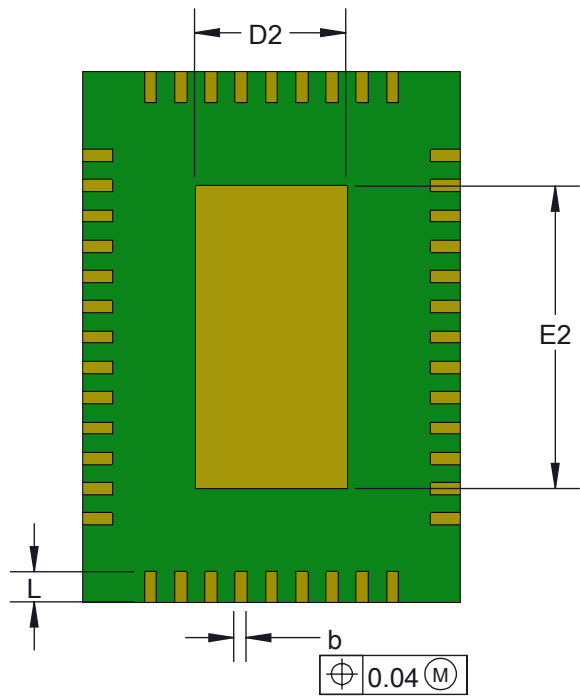
- Total thickness: 1.6mm min.
- Plating: Gold or Solder finish
- PCB Pad height: same or higher than solder mask

Description: Clam shell spring pin socket for 5mm x 7mm QFN44

Primary dimension units are millimeters, Secondary dimension units are [inches].

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-7025 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 12.07	STATUS: Released DRAWN BY: E. Smolentseva FILE: CBT-QFN-7025 Dwg	SHEET: 2 OF 5 SCALE: 5:1 DATE: 5/10/12	REV. A




DIM	Minimum	Maximum
A	0.68	0.72
A1	0.00	0.07
b	0.13	0.19
D	5.0 BSC	
E	7.0 BSC	
D2	1.95	2.05
E2	3.95	4.05
e	0.4 BSC	
L	0.35	0.45
PIN COUNT	44	

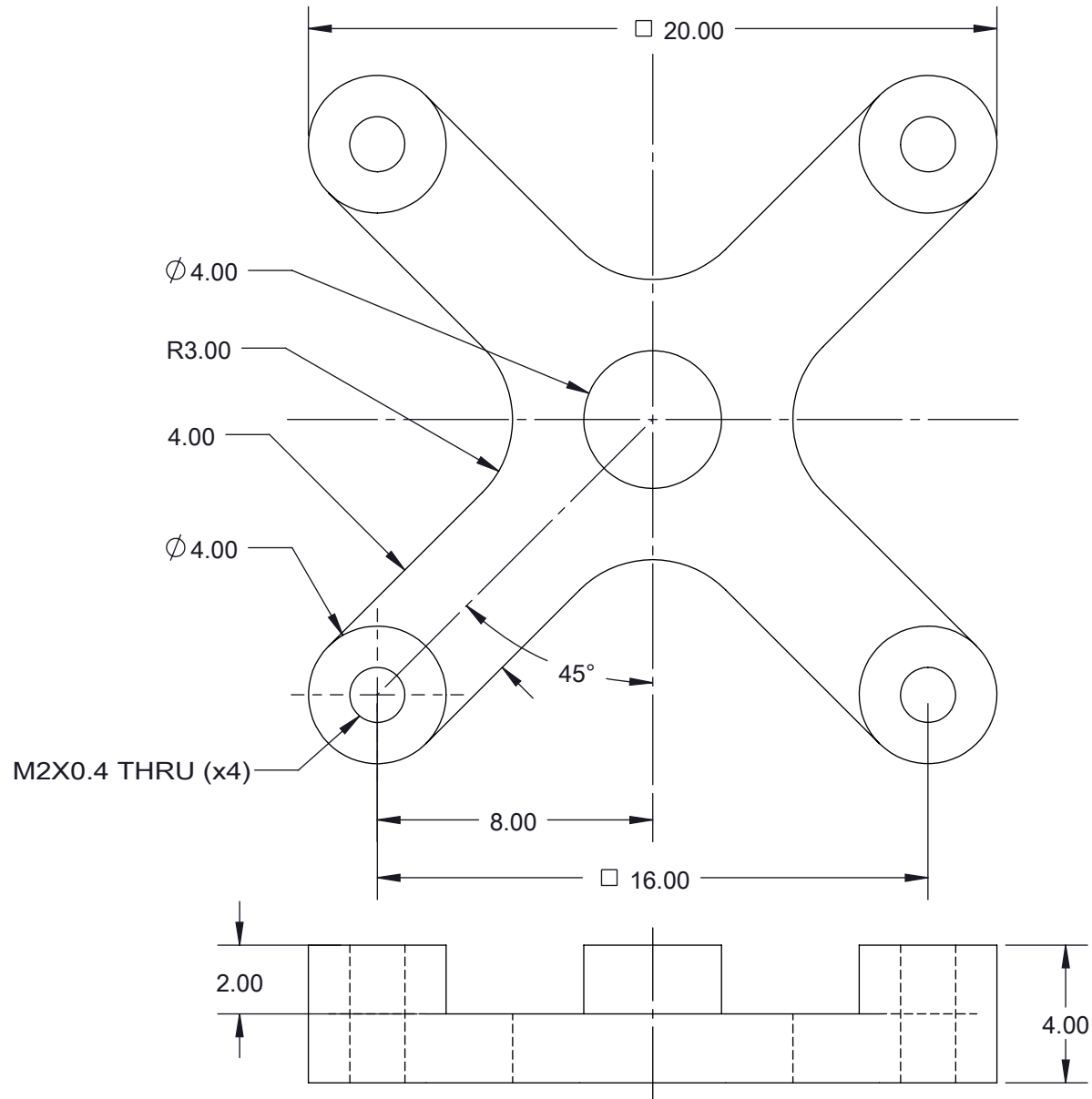
Description: Clam shell spring pin socket for 5mm x 7mm QFN44

Primary dimension units are millimeters, Secondary dimension units are [inches].

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.

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


 CBT-QFN-7025 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 12.07	STATUS: Released	SHEET: 3 OF 5	REV. A
		DRAWN BY: E. Smolentseva	SCALE: 10:1	
		FILE: CBT-QFN-7025 Dwg	DATE: 5/10/12	

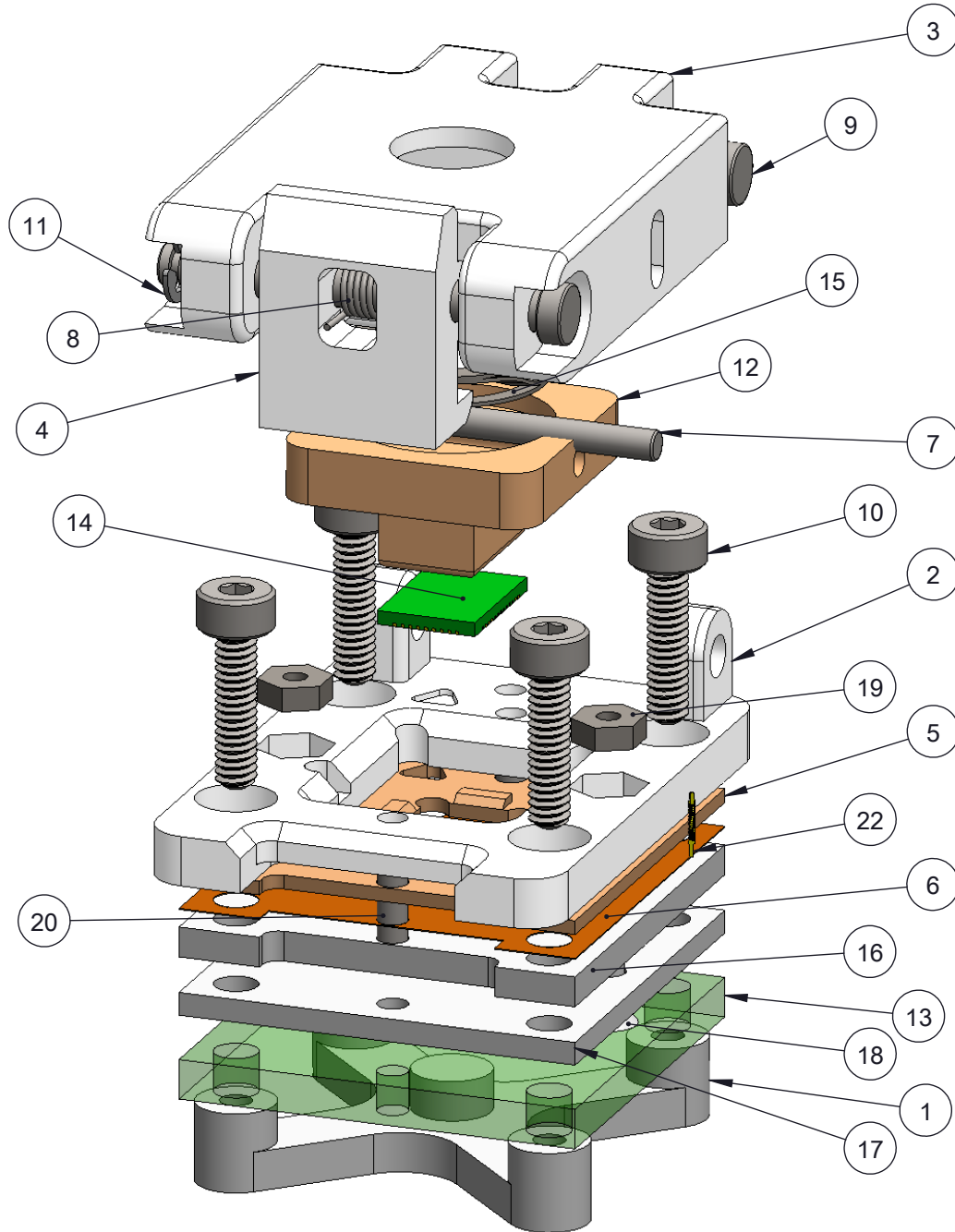


Description: Clam shell spring pin socket for 5mm x 7mm QFN44

Primary dimension units are millimeters, Secondary dimension units are [inches].

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.

 <p>CBT-QFN-7025 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: Material <not specified> Finish: Weight: 12.07</p>	STATUS: Released	SHEET: 4 OF 5	REV. A
		DRAWN BY: E. Smolentseva	SCALE: 5:1	
		FILE: CBT-QFN-7025 Dwg	DATE: 5/10/12	



ITEM NO.	Description	Material
1	Backing Plate	PEEK Ceramic filled
2	Socket Base 12mm snap lid, posts removed	PPS
3	12mm Plastic Snap Clamshell Socket Lid	PPS/Ultem
4	Clamshell Latch Snap Lid Socket (modified M2695 latch)	PPS/Ultem
5	IC Guide for 5mm x 7mm	Ultem 1000
6	Pin Orientation Guide for 5mm x 7mm 0.4mm pitch QFN44	Kapton Polyimide
7	Dowel Pin, M1.5 X 20mm LG, 18-8 SS	AISI 347 Annealed Stainless Steel (SS)
8	Torsion Spring, 180 0.109" OD, Ccw/Rh	Steel Music Wire
9	2mm diameter Hinge Pin, 20 mm long	Alloy Steel
10	Socket Head Cap Screw M2 8mm long	
11	Snap ring for 2mm Hinge pin 0.15" OD	
12	Compression Plate for 5x7mm IC	Ultem 1000
13	Customer's target PCB for 5mm x 7mm 0.4mm pitch QFN44	High Temp FR4
14	5mm x 7mm 0.4mm pitch QFN44	High Temp FR4
15	Wave Spring 0.375"OD 0.15" In 100lbs/in	Steel Music Wire
16	Top Pin Guide for 4mm x 4mm 0.5mm pitch QFN24	PEEK Ceramic filled
17	Bottom Pin Guide for 5mm x 7mm 0.4mm pitch QFN44	PEEK Ceramic filled
18	Screw, #0-80 X .188", Flat, SS	Stainless Steel (18-8)
19	Nut, #0-80 x 3/64", SS	1023 Carbon Steel Sheet (SS)
20	Dowel Pin, M1.5 X 6mm LG, Hardened Steel	AISI 347 Annealed Stainless Steel (SS)
22	SBT Pin, 0.4mm pitch	N/A



Rev	Date	Initials	Description
A	08/08/12	DH	Original

Pogo Pin
scale 12: 1

Description: Clam shell spring pin socket for 5mm x 7mm QFN44

Primary dimension units are millimeters, Secondary dimension units are [inches].

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-7025 Drawing



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

Material: Material <not specified>
Finish:
Weight: 12.07

STATUS: Released

DRAWN BY: E. Smolentseva

FILE: CBT-QFN-7025 Dwg

SHEET: 5 OF 5

SCALE: 2:1

DATE: 5/10/12

REV. A