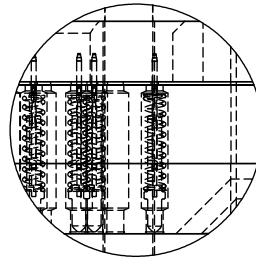
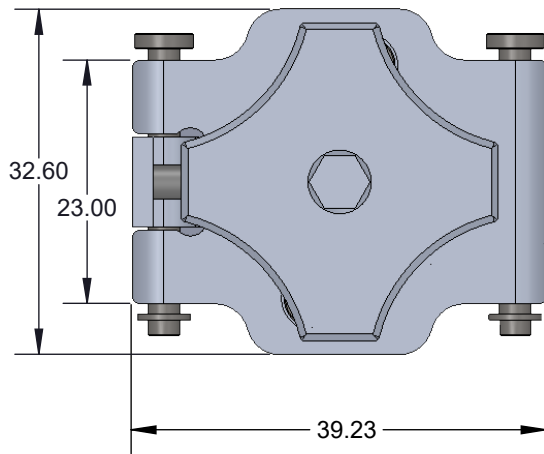


Clamshell Spring Pin Socket - Direct mount, solderless

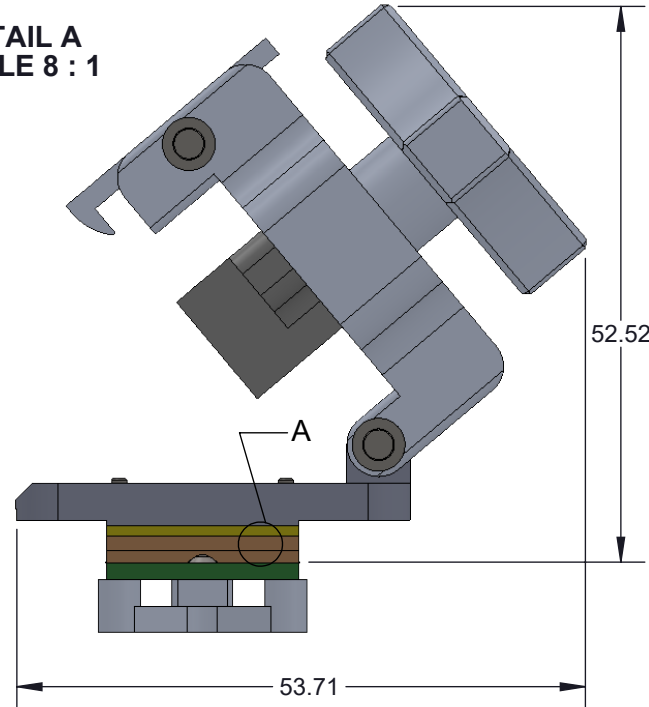
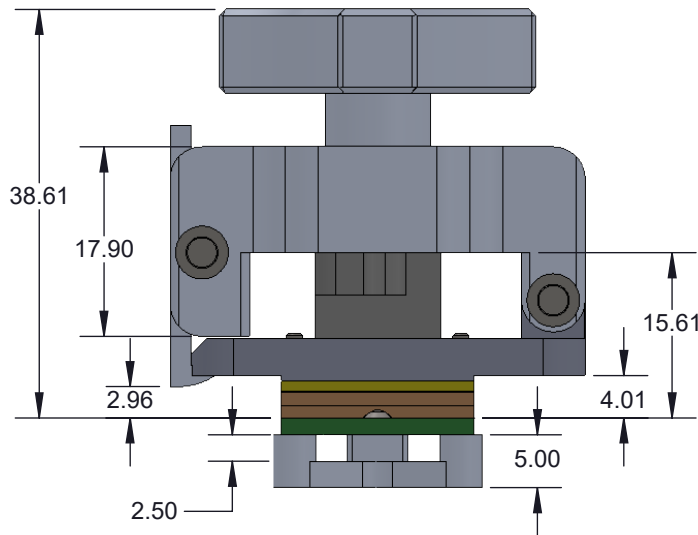
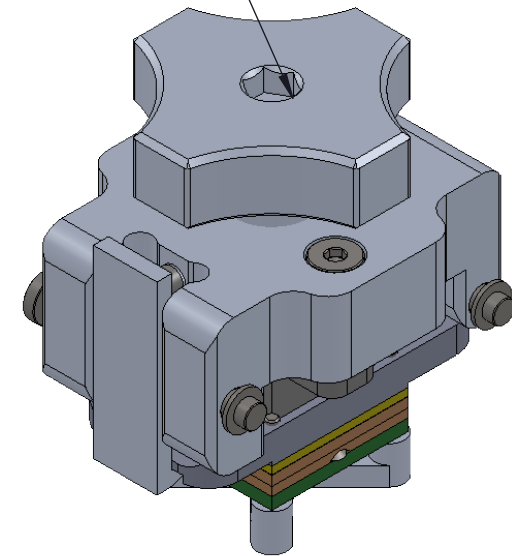
Features

- 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 IC package co-planarity variations.
- Clamshell lid



DETAIL A
SCALE 8 : 1

Recommended Torque = 2-3 in-lbs



Description: CBT-LGA 12x12mm 0.6mm LGA180 triple row

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-LGA-5006 Drawing



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

Material: N/A
Finish: N/A
Weight: 65.39

STATUS: Released

ENG: S. Huang

FILE: CBT-LGA-5006 Dwg

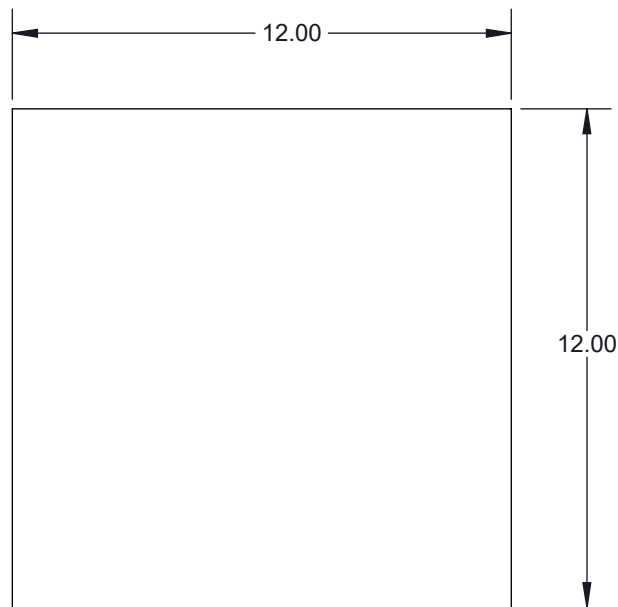
SHEET: 1 OF 5

DRAWN BY: M. Raske

DATE: 12-12-2013

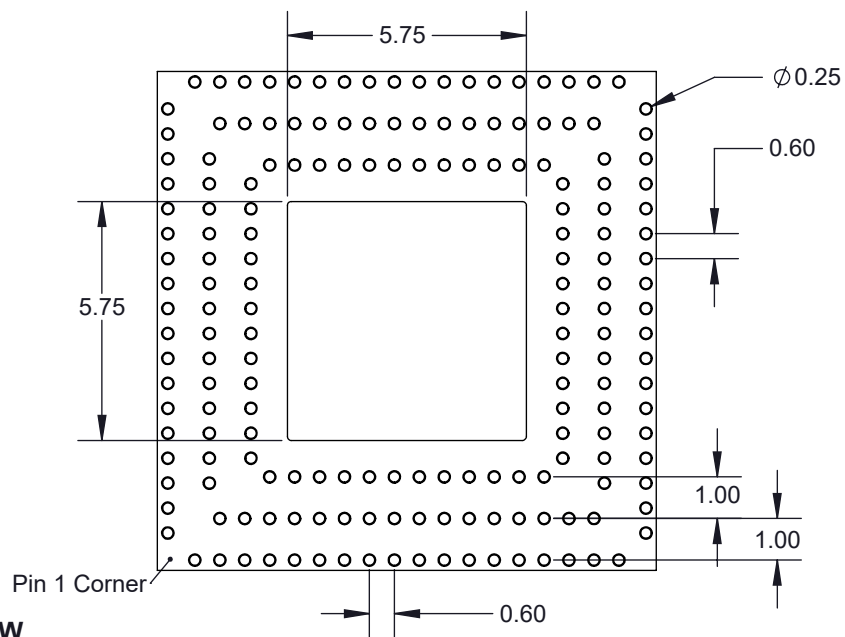
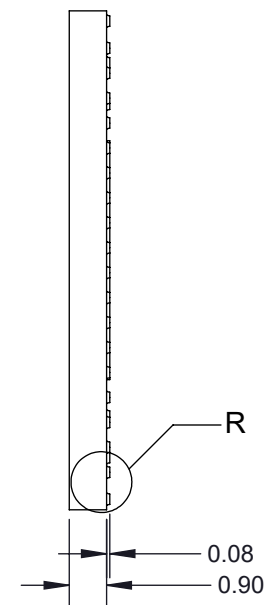
REV. C

SCALE: 1.4:1

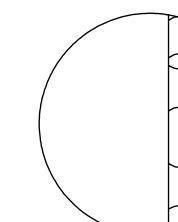


TOP VIEW

SIDE VIEW



BOTTOM VIEW



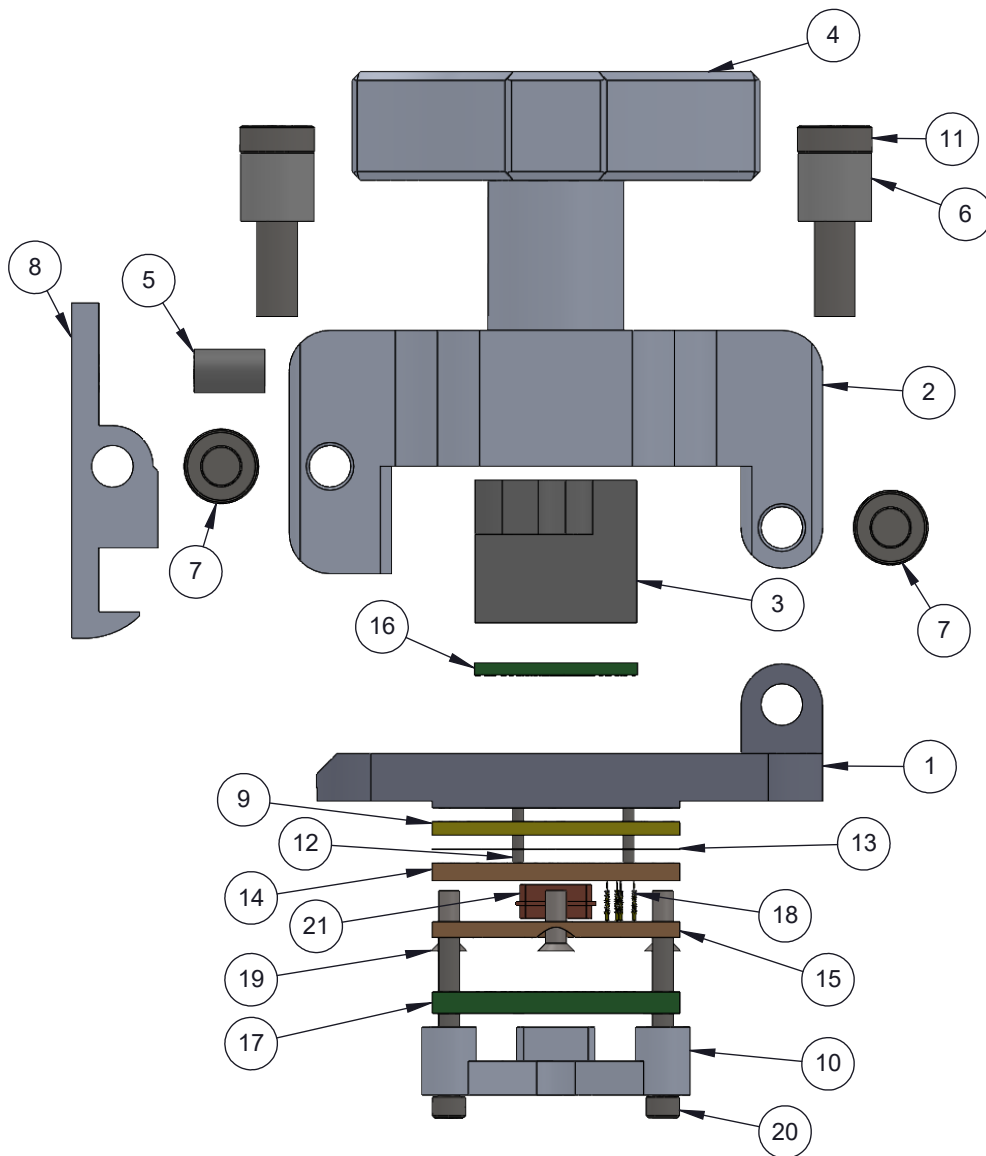
DETAIL R
SCALE 20 : 1

Description: Compatible LGA

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-LGA-5006 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 65.39	STATUS: Released	SHEET: 3 OF 5	REV. C
		ENG: S. Huang	DRAWN BY: M. Raske	SCALE: 5.5:1
		FILE: CBT-LGA-5006 Dwg	DATE: 12-12-2013	




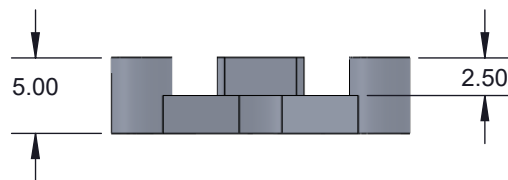
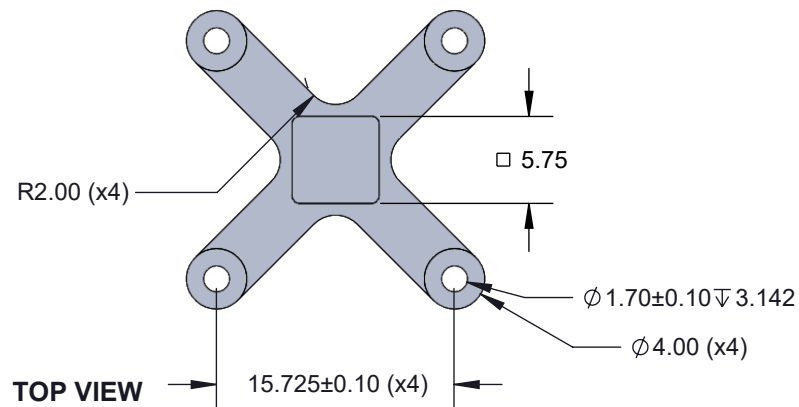
Description: Skt comp

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.

ITEM NO.	DESCRIPTION	Material
1	CBT Socket Base 13mm	7075-T6 Aluminum Alloy
2	Clam shell lid for 17mm IC	7075-T6 Aluminum Alloy
3	Compression Plate 12mm	7075-T6 Alumium Alloy
4	M10 Comression Screw	7075-T6 Aluminum Alloy
5	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
6	Spring Clamshell lid assembly	Steel Music Wire
7	Hinge Pin and Snap Ring, 3mm OD, 25mm long, SS	Stainless Steel (ferritic)
8	Clamshell Latch	7075-T6 Aluminum Alloy
9	IC Guide 12x12mm	Torlon 4203
10	13x13mm Clamshell Backing Plate w/ square post	7075-T6 Aluminum Alloy
11	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
12	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
13	Pin Orientation Guide - LGA180 0.6mm pitch 12mm triple row	Kapton Polyimide/Cirlex
14	Top Spring Pin Guide - LGA180 0.6mm 12mm	Semitron MDS 100
15	Bottom Spring Pin Guide - LGA180 0.6mm pitch 12mm	Semitron MDS 100
16	IC, LGA180 0.6mm pitch 12mm triple row	High Temp FR4
17	PCB LGA180 0.6mm 12mm triple row	High Temp FR4
18	SBT-LGA/QFN Pogo Pin, 0.5mm-0.8mm	Contact Mtrl: BeCu, Au Plated over Ni
19	#0-80, 90 deg., head pin guide screw, Peek material	PEEK unfilled
20	#0-80 x 0.5, SH Cap Screw	18-8 Stainless Steel
21	Copper Ground Slug 12mm QFN	Copper

CBT-LGA-5006 Drawing		STATUS: Released	SHEET: 4 OF 5	REV. C
 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A	ENG: S. Huang	DRAWN BY: M. Raske	SCALE: 1.8:1
	Finish: N/A	FILE: CBT-LGA-5006 Dwg	DATE: 12-12-2013	
	Weight: 65.39			




SBT PIN
scale 16:1

Description: Backing plate and pin detail

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.

Rev	Date	Initials	Description
A	12/12/13	MR	Original
B	07/23/14	DH	Changed IC guide material to Torlon
C	32/24/16	MR	Replaced plastic screws with peek screws

CBT-LGA-5006 Drawing		STATUS: Released		SHEET: 5 OF 5		REV. C	
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		ENG: S. Huang	DRAWN BY: M. Raske		SCALE: 1.8:1	
	Material: N/A Finish: N/A Weight: 65.39		FILE: CBT-LGA-5006 Dwg	DATE: 12-12-2013			