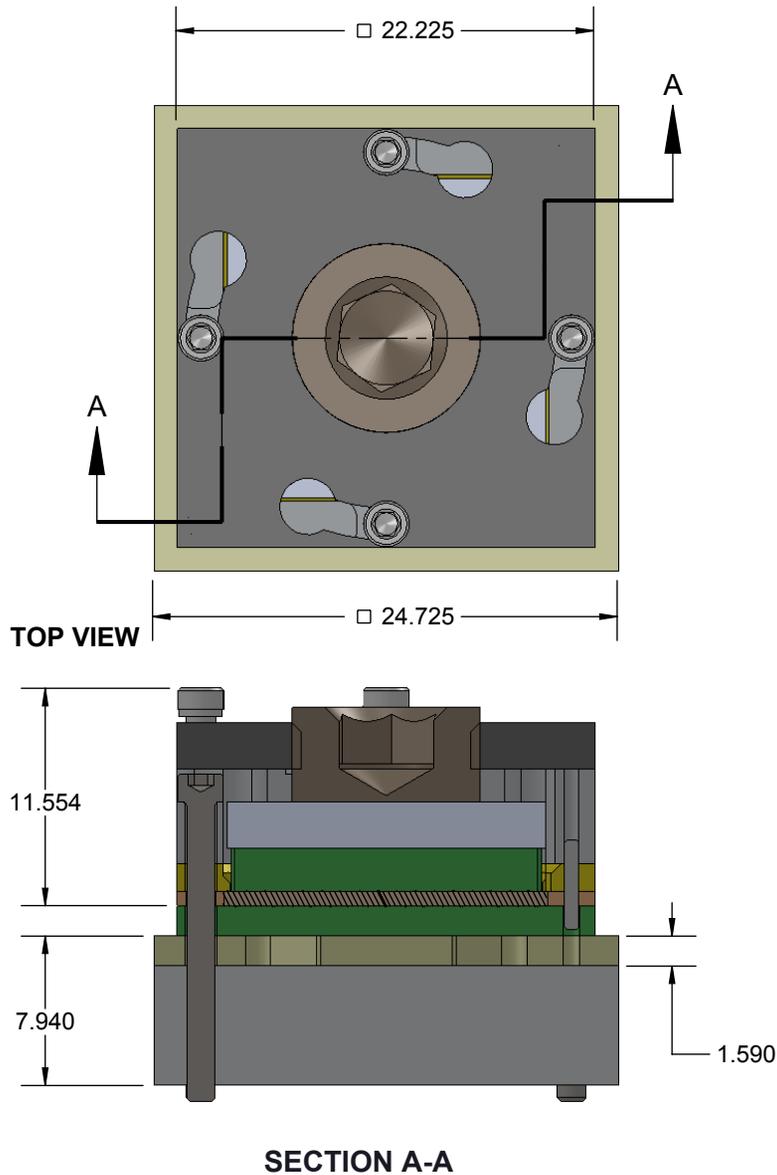


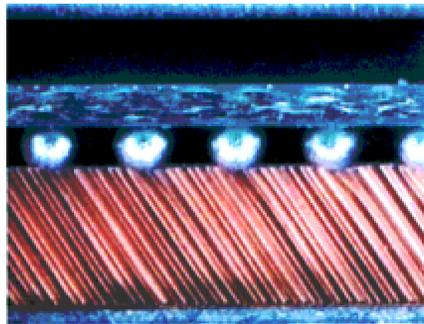
GHz BGA Socket - Direct mount, solderless

Features

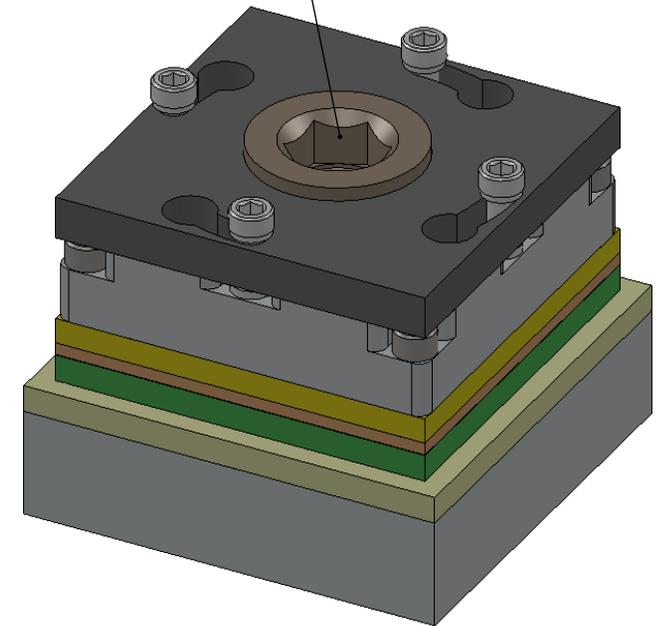
- Directly mounts to target PCB (needs tooling holes) with hardware
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Easily removable swivel socket lid



RECOMMENDED TORQUE: 1.5 IN-LBS



ELASTOMER CROSS-SECTION



Description: SG-LCC44 16.5mm square 1.27mm pitch

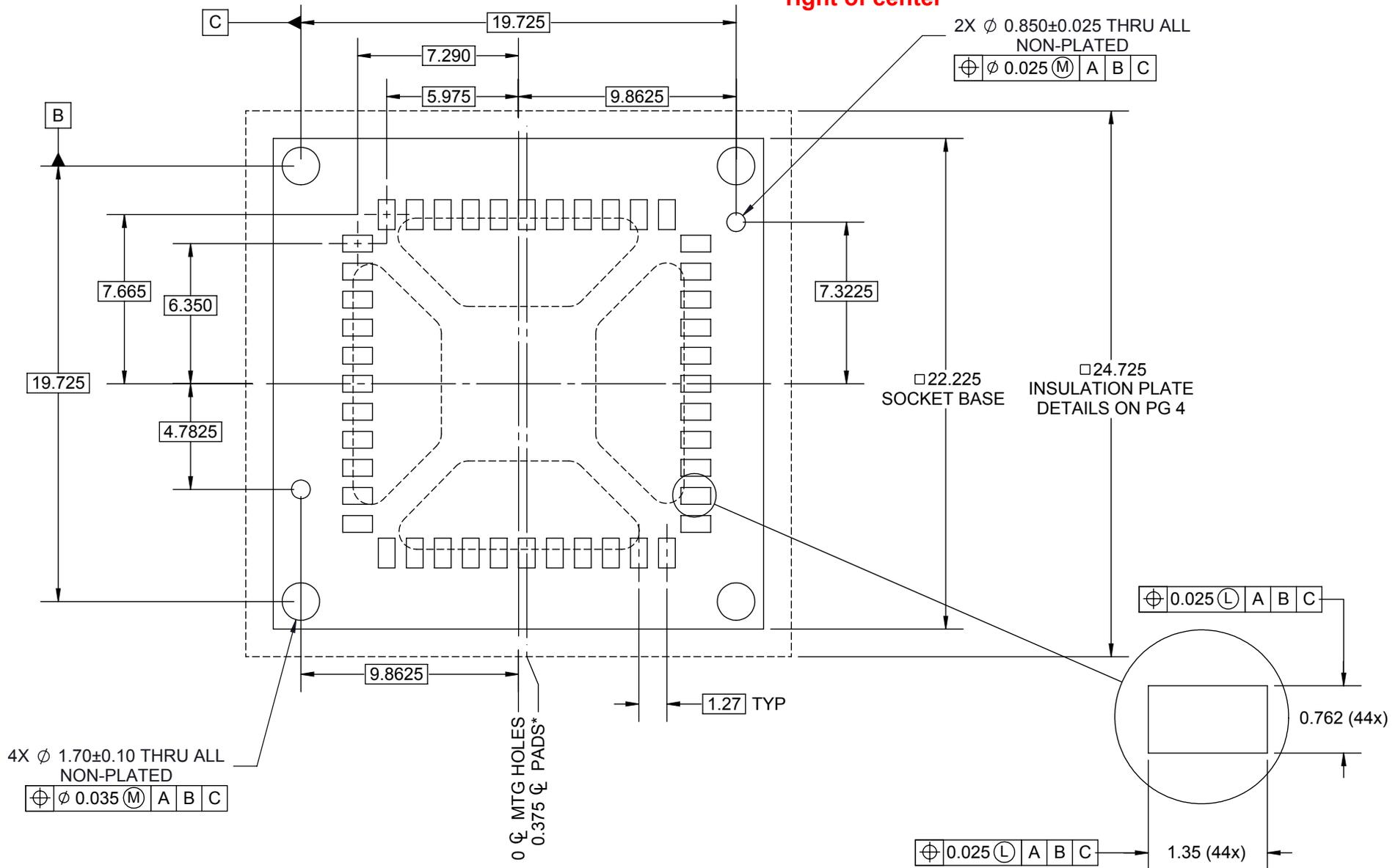
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [± 0.001 "]. Pitches (from true position) $\pm 0.0762\text{mm}$ [± 0.003 "], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without notice.

 SG-LCC-6001 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 23.40	STATUS: Released ENG: B. Schatz FILE: SG-LCC-6001 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 05/22/2014	REV. A SCALE: 5:2

DATUM A IS TOP SIDE OF PCB

***NOTE: LCC pattern is not symmetrical with respect to the mounting holes. It is shifted 0.375mm to the right of center**



Description: Recommended PCB Layout

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

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

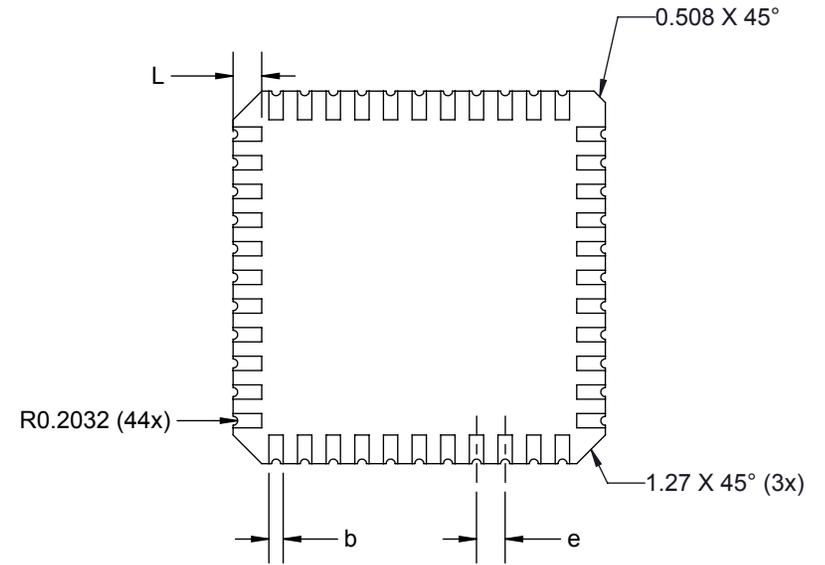
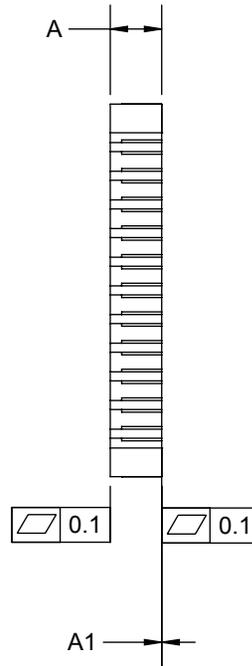
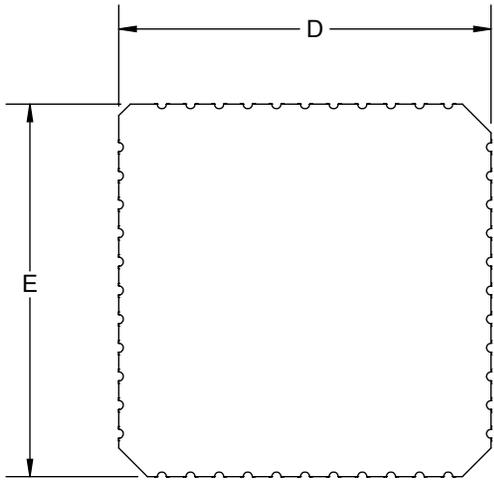
Target PCB Recommendations

Total Thickness: 1.6mm min.

Plating: Gold Immersion, Silver Immersion or Solder

PCB Pad Height: same or higher than solder mask

 <p>SG-LCC-6001 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: N/A Finish: N/A Weight: 23.40</p>	<p>STATUS: Released</p>	<p>SHEET: 2 OF 4</p>	<p>REV. A</p>
	<p>ENG: B. Schatz</p>	<p>DRAWN BY: M. Raske</p>	<p>SCALE: 4:1</p>	<p>DATE: 05/22/2014</p>
		<p>FILE: SG-LCC-6001 Dwg</p>		



Compatible Ironwood Package Code: LCC44A

DIM	MIN	MAX
A	-	3.5
A1	0	0.003
b	0.5	0.7
D	16.35	16.65
E	16.35	16.65
e	1.27	
b	0.635	
L	1.27	

Dimensions are in millimeters.

1. Interpret dimensions and tolerances per ASME Y14.5M-1994.

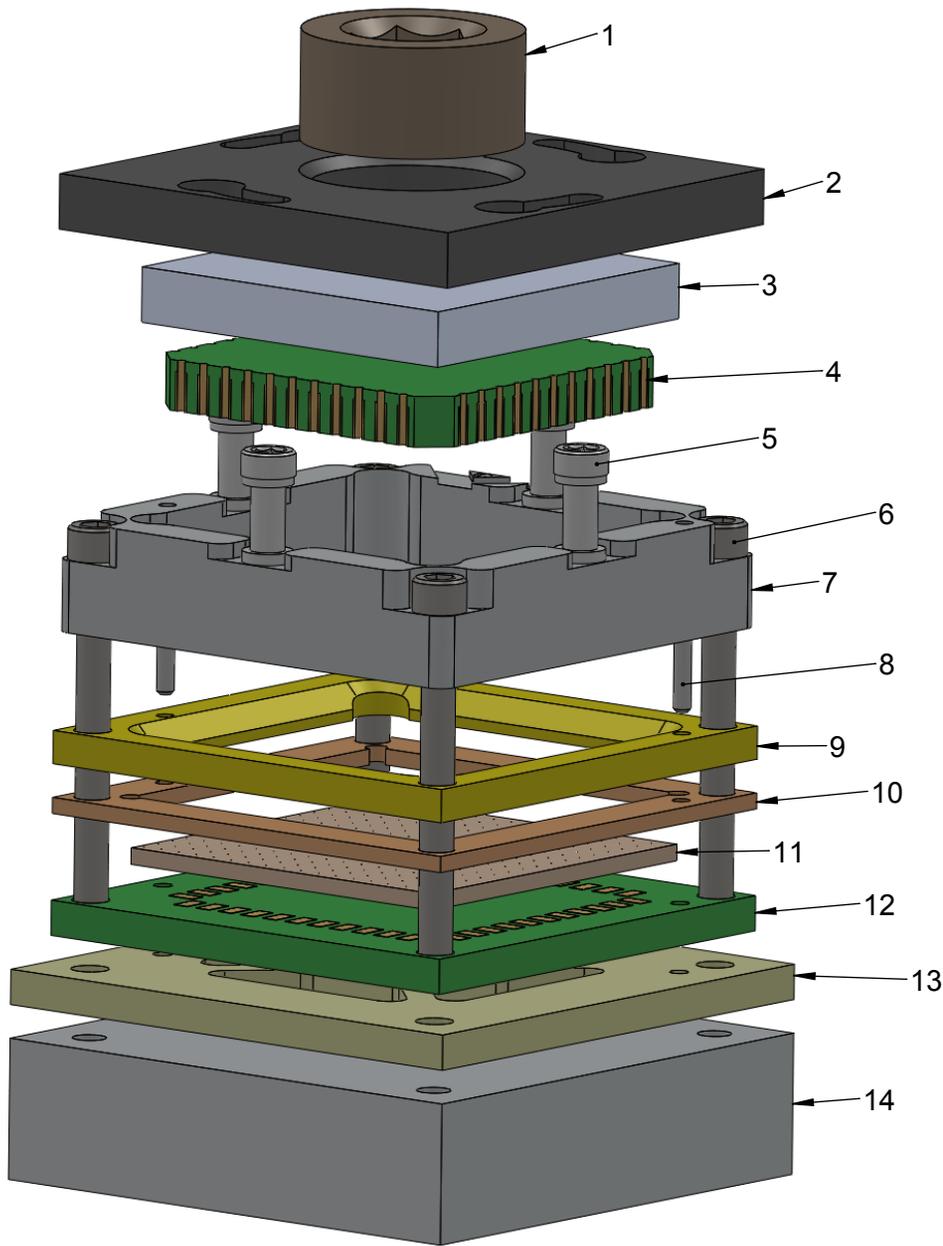
Description: Compatible Device

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

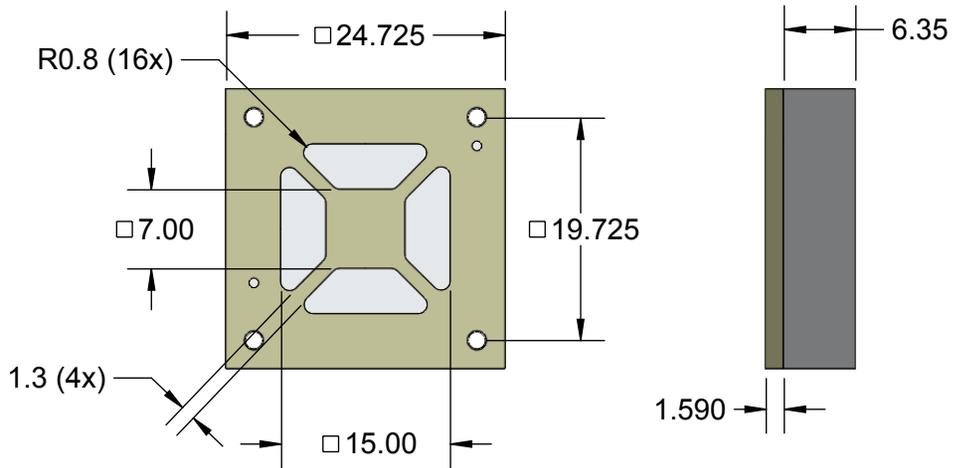
Tolerances: Hole diameters $\pm 0.03\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.025\text{mm}$ [$\pm 0.001"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change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

Rev	Date	Initials	Description
A	4/4/14	BJS	Original

 SG-LCC-6001 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 23.40	STATUS: Released ENG: B. Schatz FILE: SG-LCC-6001 Dwg	SHEET: 3 OF 4 DRAWN BY: M. Raske DATE: 05/22/2014	REV. A SCALE: 3:1



ITEM NO.	DESCRIPTION	Material
1	Compression Screw	7075-T6 Aluminum Alloy
2	Socket Lid	7075-T6 Aluminum Alloy
3	Compression Plate	7075-T6 Aluminum Alloy
4	LCC44 16.51mm square 1.27mm pitch	FR4 High temp
5	Shoulder Screw	Stainless Steel (303)
6	Mounting Screw	Alloy Steel
7	Socket Base	7075-T6 (SN)
8	Dowel Pin	Chrome Stainless Steel
9	IC guide	Torlon 4203
10	Elastomer Guide	Ultem 1000
11	Elastomer	Gold plated brass filaments impregnated in silicon rubber
12	PCB LCC44 16.51mm square 1.27mm pitch	FR4 High temp
13	Insulation Plate	High Temp FR4
14	Backing Plate	7075-T6 Aluminum Alloy



INSULATION AND BACKING PLATE DETAIL

Description: Socket, Backing Plate Detail

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.

 SG-LCC-6001 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 23.40	STATUS: Released	SHEET: 4 OF 4	REV. A
		ENG: B. Schatz	DRAWN BY: M. Raske	SCALE: 3:1
		FILE: SG-LCC-6001 Dwg	DATE: 05/22/2014	