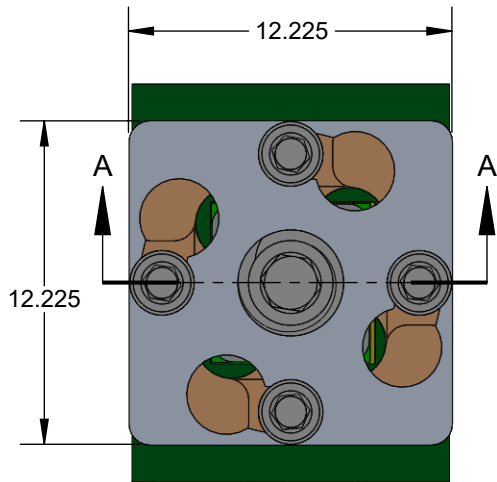
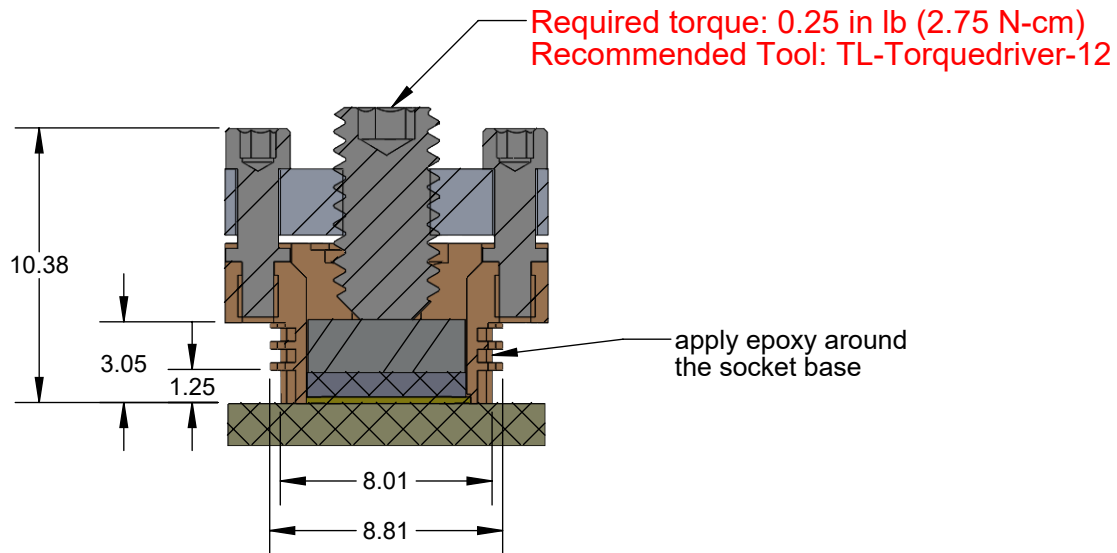


GHz QFN Socket - Epoxy mount, solderless



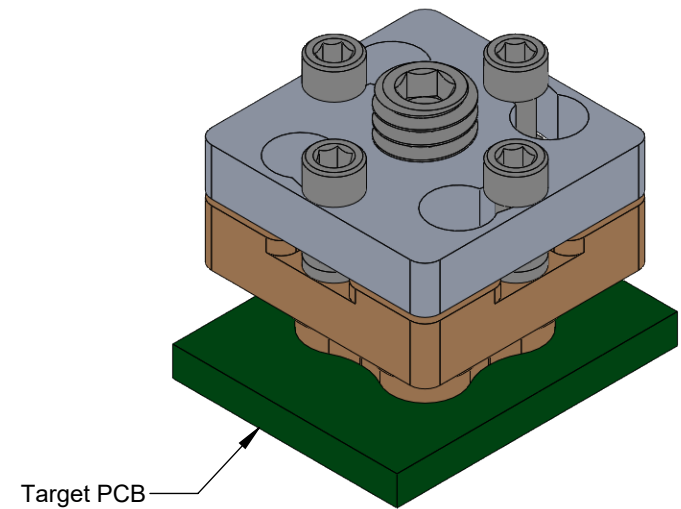
TOP VIEW



SECTION A-A

Features


- Directly mounts to target PCB.
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Easily removable socket lid



Description: SG25-QFN36, Epoxy Mount, 6x6mm, 0.5mm pitch

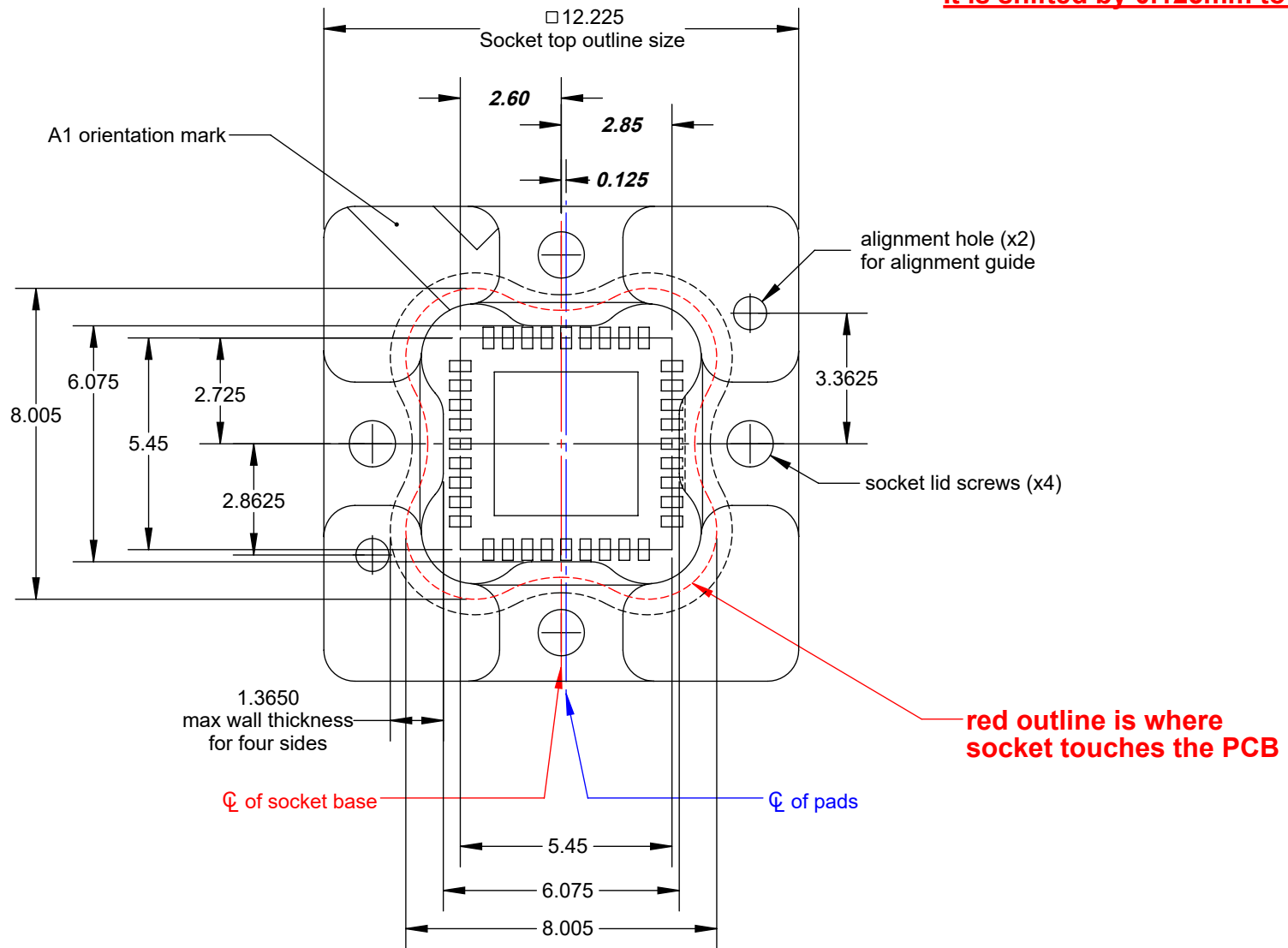
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

 <p>SG25-QFN-2011 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: N/A Finish: N/A Weight: 2.41</p>	<p>STATUS: Released ENG: M. Newby FILE: SG25-QFN-2011 Dwg</p>	<p>SHEET: 1 OF 5 DRAWN BY: M. Raske DATE: 06/21/2018</p>	<p>REV. A SCALE: 3.5:1</p>

Recommended PCB Layout

***Note: BGA pattern is not symmetrical with respect to the socket outline. It is shifted by 0.125mm to the right.**




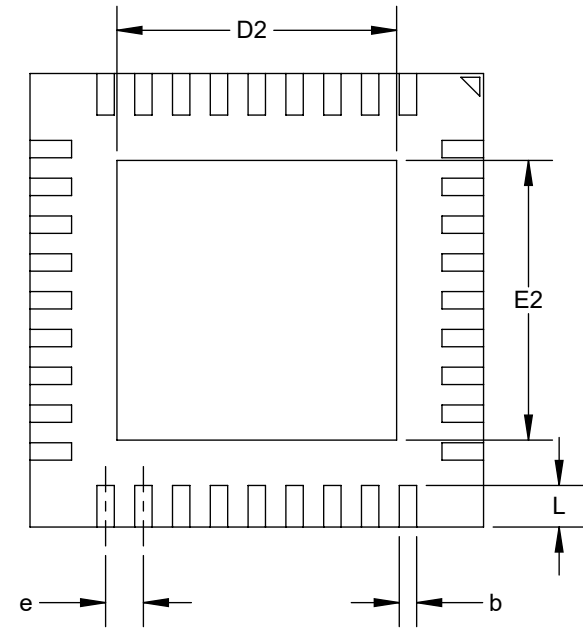
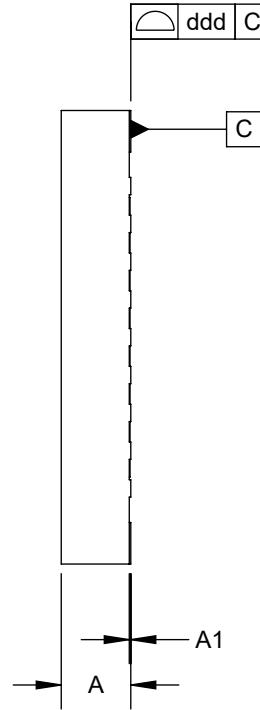
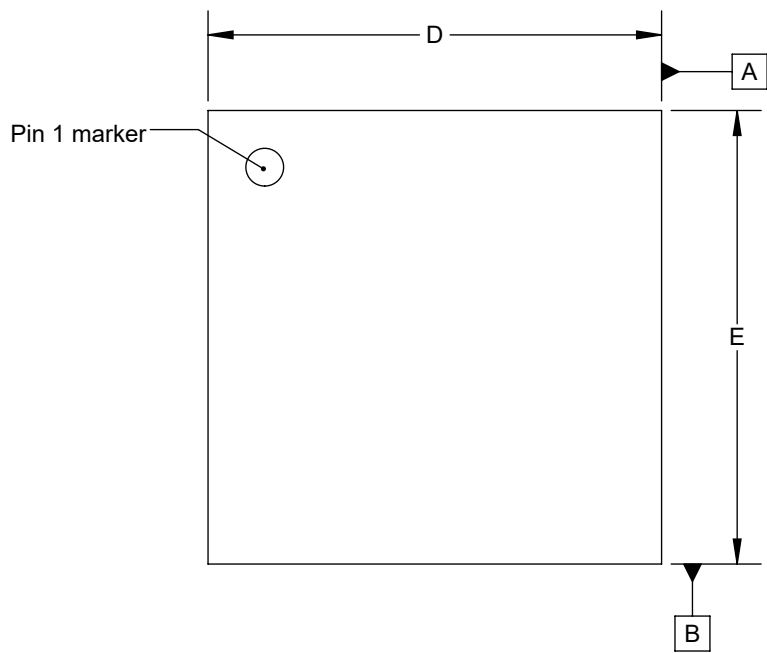
Target PCB Recommendations
Plating: Gold or Solder finish
PCB Pad height: Same or higher than solder mask

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.

 SG25-QFN-2011 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 2.41	STATUS: Released	SHEET: 2 OF 5	REV. A
		ENG: M. Newby	DRAWN BY: M. Raske	SCALE: 6:1
		FILE: SG25-QFN-2011 Dwg	DATE: 06/21/2018	




Ironwood Package Code: QFN36E

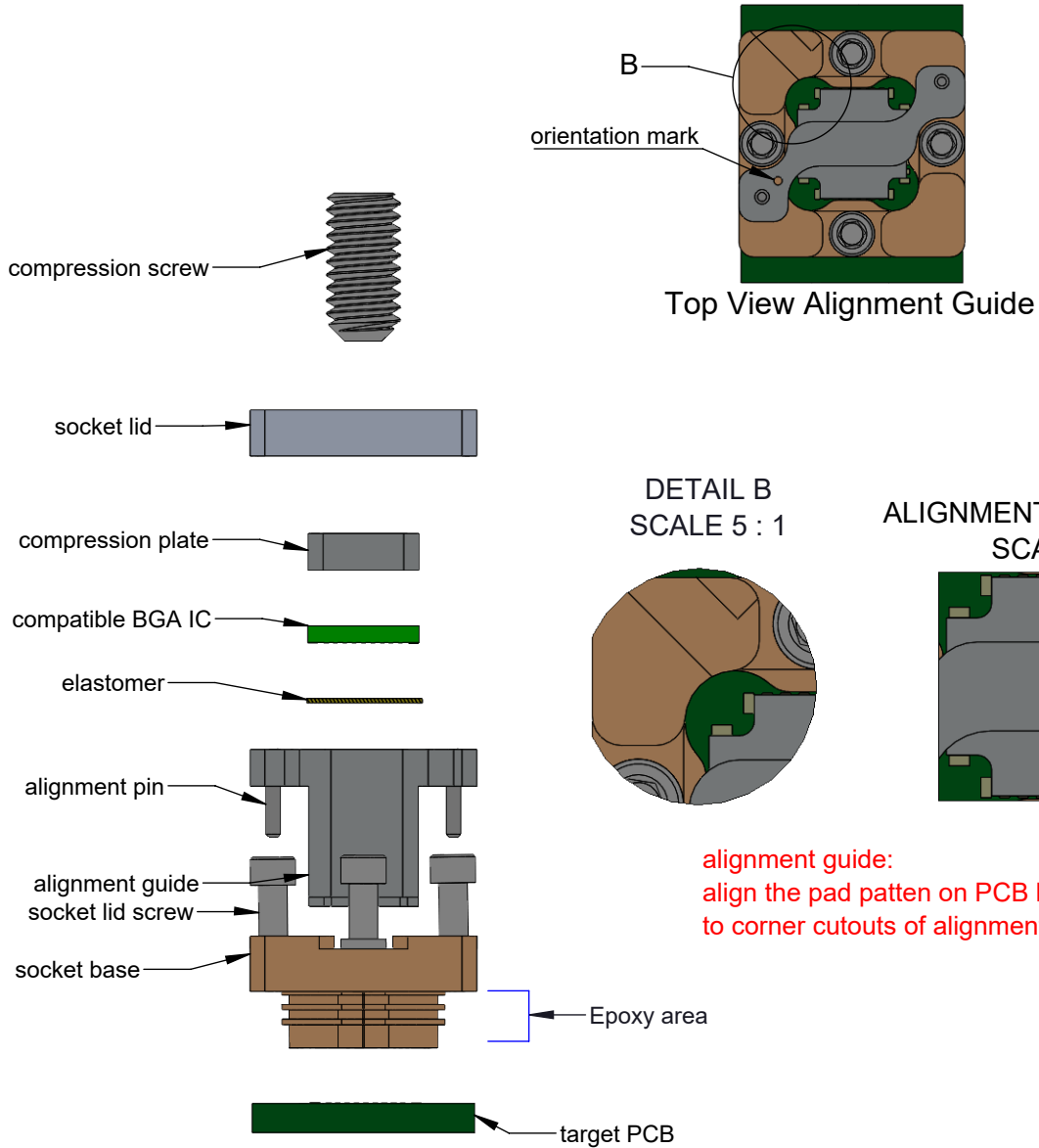
DIM	Minimum	Nominal	Maximum
A	0.5		2.0
A1	0.0		-
b	0.18		0.30
D	5.875		6.125
D2		3.7	
E	5.875		6.125
E2		3.7	
e	0.5 BSC		
L	0.35		0.75
ARRAY	9x9		

Description: Compatible BGA IC

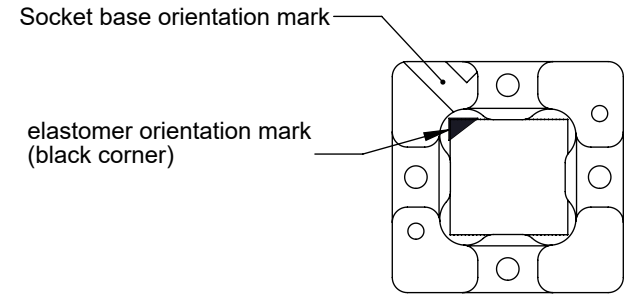
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

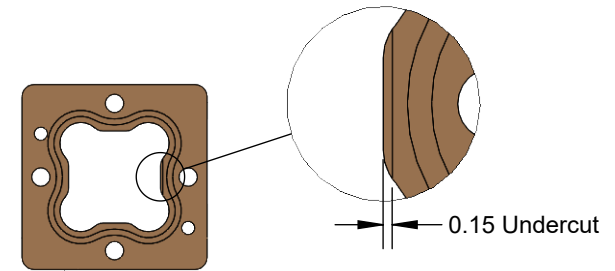
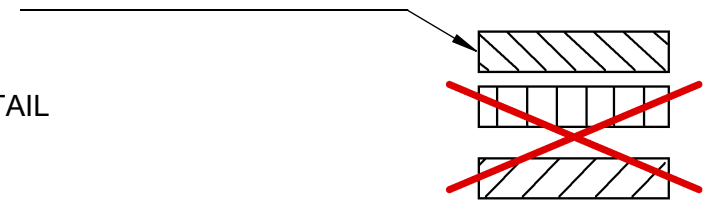
 SG25-QFN-2011 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 2.41	STATUS: Released ENG: M. Newby FILE: SG25-QFN-2011 Dwg	SHEET: 3 OF 5 DRAWN BY: M. Raske DATE: 06/21/2018	REV. A SCALE: 10:1



alignment guide:
align the pad patten on PCB board
to corner cutouts of alignment guide



When elastomer orientation mark is on upper left corner, side view of elastomer should be




Note: Right side of socket base has small undercut. Ensure that elastomer is fully seated into undercut before use.

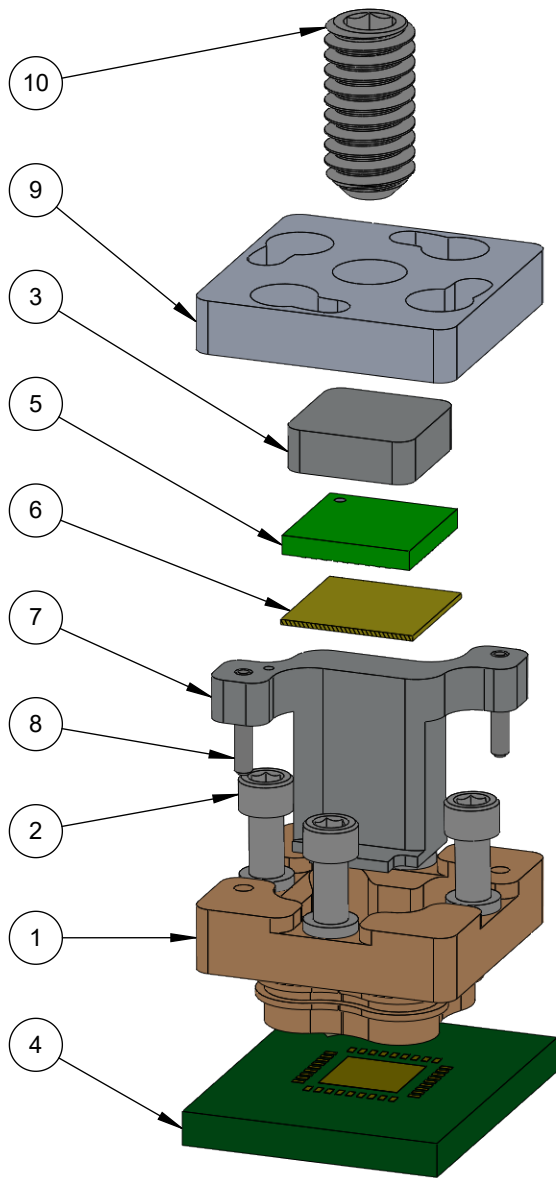
User Instructions. Read before installing socket to PCB:
For socket mounting instructions refer EPM (Epoxy socket user manual)
<http://www.ironwoodelectronics.com/catalog/content/drawings/epm.pdf>

Description: User Instructions

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.

 <p>SG25-QFN-2011 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: N/A Finish: N/A Weight: 2.41</p>	<p>STATUS: Released ENG: M. Newby FILE: SG25-QFN-2011 Dwg</p>	<p>SHEET: 4 OF 5 DRAWN BY: M. Raske DATE: 06/21/2018</p>	<p>REV. A SCALE: 2.5:1</p>




ITEM NO.	DESCRIPTION	Material
1	Socket Base, Epoxy Mount, 6x6mm IC	Torlon 5530
2	#0-80 Shoulder Screw, 1.59mm thread length	Stainless Steel
3	Compression Plate	7075-T6 Alumium Alloy
4	Test PCB	N/A
5	Test Chip	N/A
6	0.25mm thick 0.05mm pitch 63 deg angled elastomer	Gold plated brass filaments in silicon rubber
7	Epoxy Mount Alignment Guide	7075-T6 Aluminum Alloy
8	Dowel Pin, 1/32" x 3/16", SS	Stainless Steel
9	Socket lid	7075-T6 Aluminum Alloy
10	Compression Screw	Stainless Steel

Description: Material info

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.

 SG25-QFN-2011 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 2.41	STATUS: Released	SHEET: 5 OF 5	REV. A
		ENG: M. Newby	DRAWN BY: M. Raske	SCALE: 3:1
		FILE: SG25-QFN-2011 Dwg	DATE: 06/21/2018	