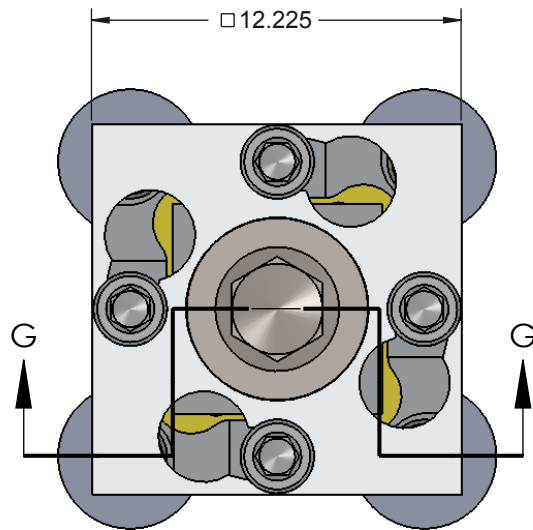
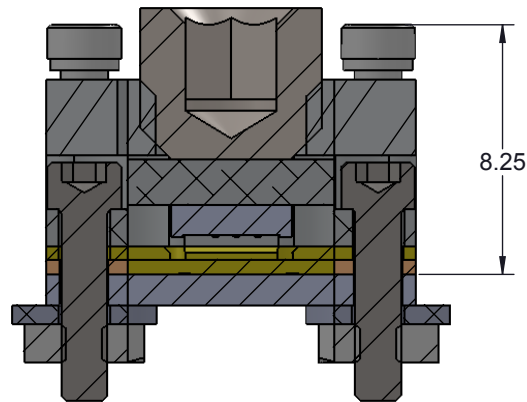


SG-MLF DIRECT MOUNT, SOLDERLESS SOCKET FOR TEST APPLICATIONS



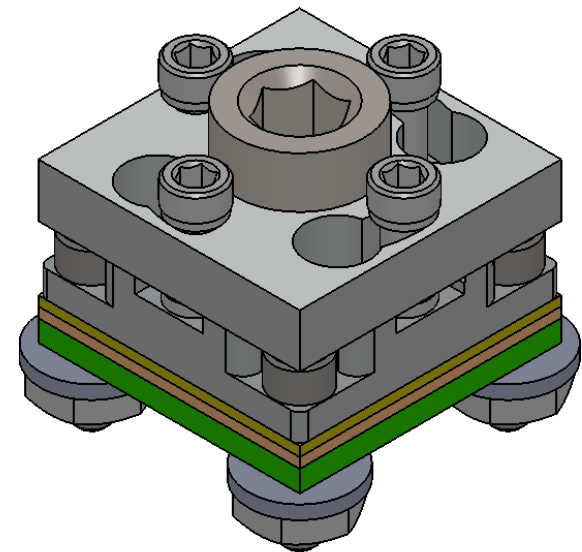
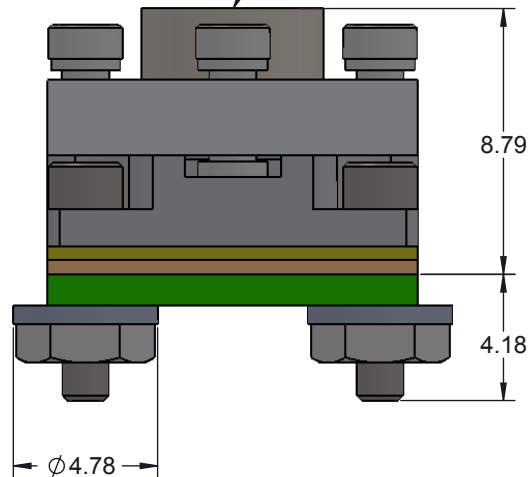
Features

- Wide temperature range (-35C to +100C).
- Current capability (up to 50mA per wire).
- Easily removable swivel socket lid
- Compression plate distributes forces evenly
- High speed, reliable Elastomer connection



SECTION G-G


Recommended Torque 1 in lbs



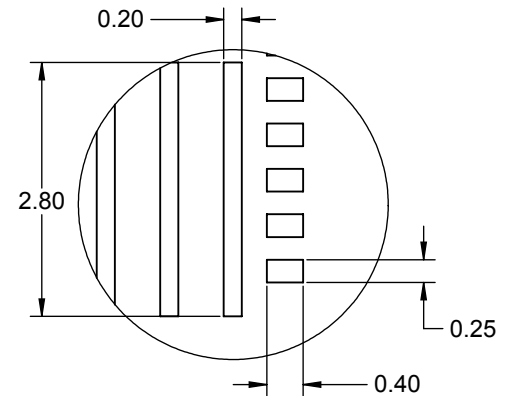
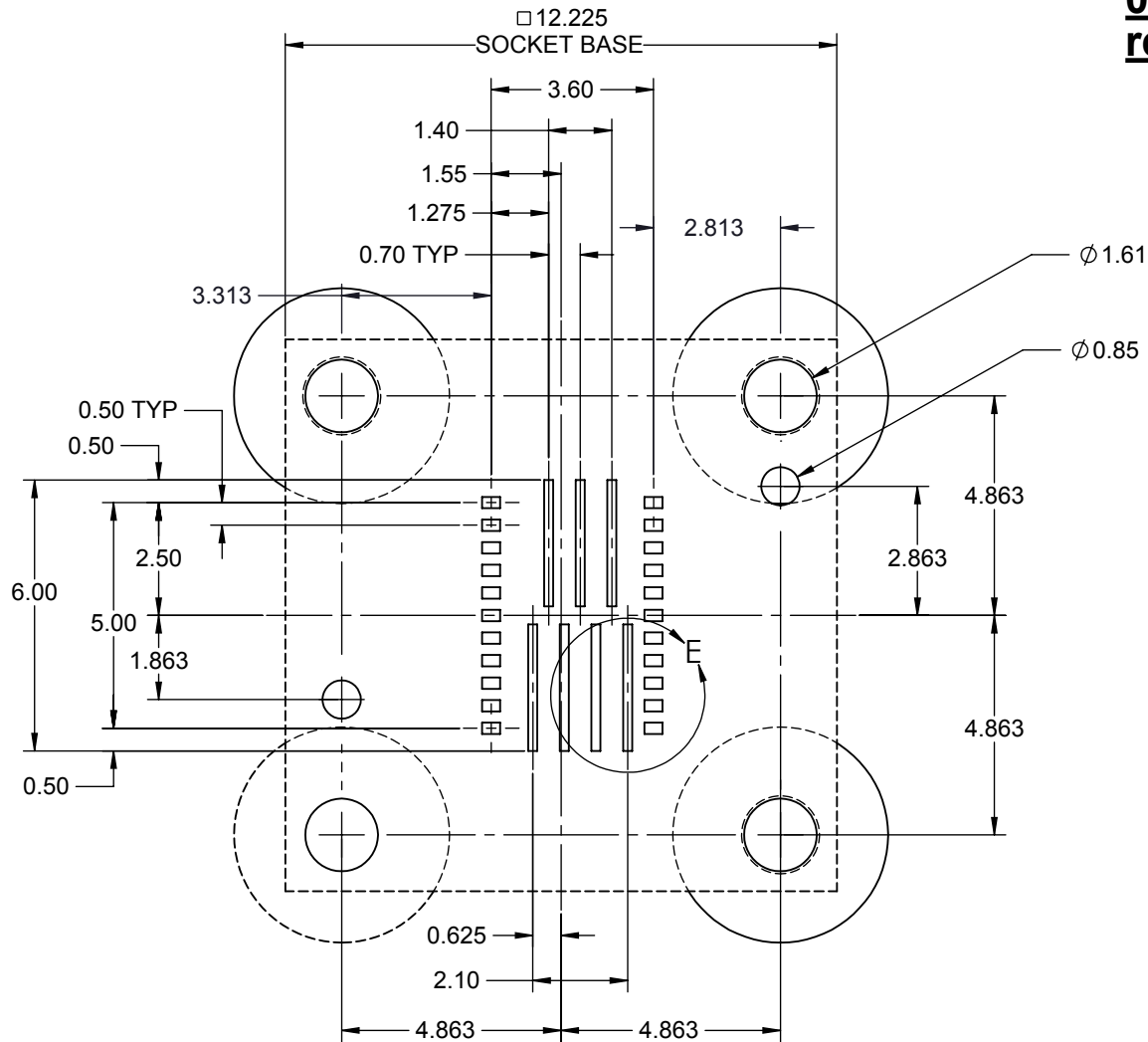
Description: SG-QFN 4x6mm IC 0.5mm pitch

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

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

 SG-MLF-7071 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 3.98	STATUS: Released ENG: S. Faiz FILE: SG-MLF-7071 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 6/29/2012	REV. B SCALE: 4:1

***Note: QFN pattern is shifted 0.25mm to the right of center with respect to the mounting holes.**




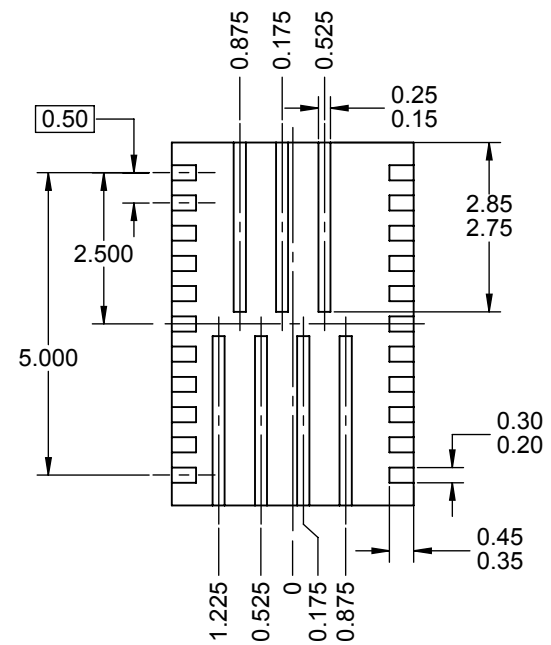
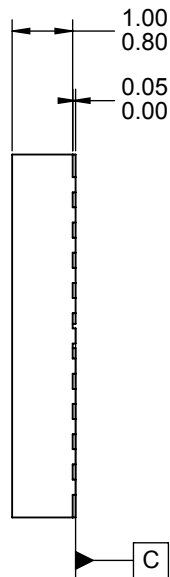
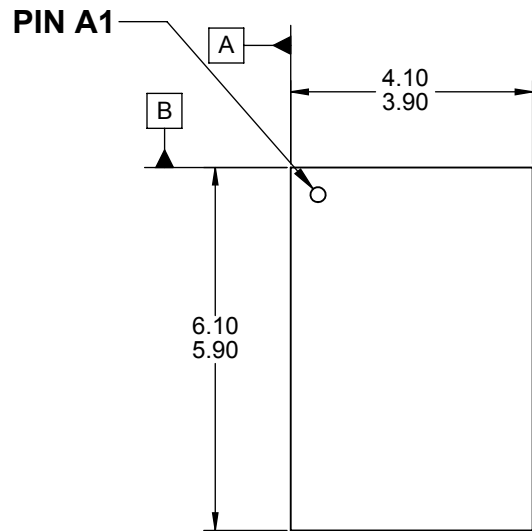
Target PCB Recommendations
 Total thickness: 1.5mm min.
 Plating: Gold or Solder finish

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.


 SG-MLF-7071 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 3.98	STATUS: Released ENG: S. Faiz FILE: SG-MLF-7071 Dwg	SHEET: 2 OF 4 DRAWN BY: M. Raske DATE: 6/29/2012	REV. B SCALE: 6:1

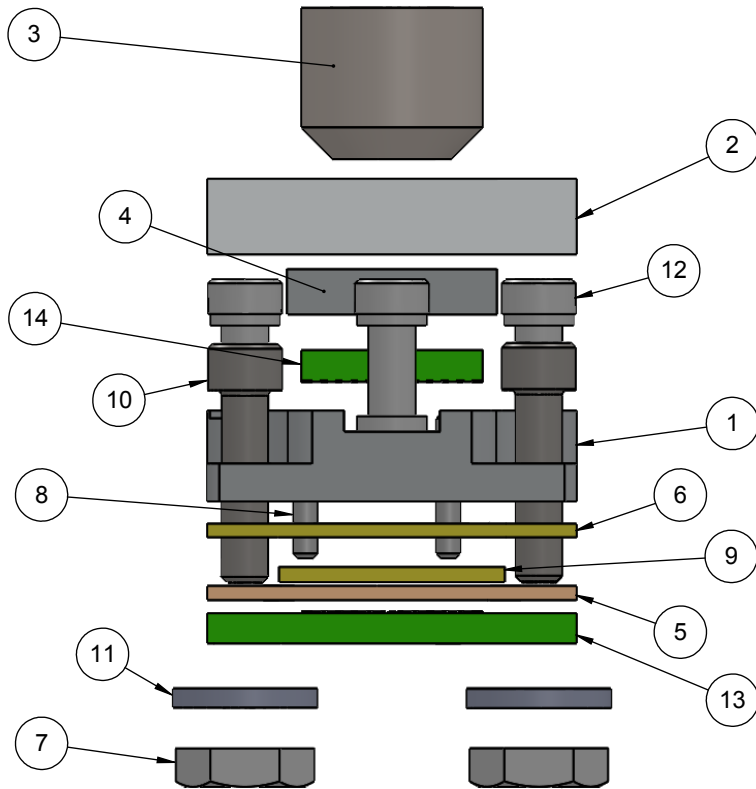


Description: Compatible IC

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

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

 SG-MLF-7071 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 3.98	STATUS: Released ENG: S. Faiz FILE: SG-MLF-7071 Dwg	SHEET: 3 OF 4 DRAWN BY: M. Raske DATE: 6/29/2012	REV. B SCALE: 8:1




ITEM NO.	DESCRIPTION	Material
1	Socket Base 7mm	7075-T6 (SN)
2	Socket Lid 7mm	7075-T6 Aluminum Alloy
3	Compression Screw M6x1	Stainless Steel (18-8)
4	Compression Plate 7mm IC, 1.5mm thick	7075-T6 (SN)
5	Elastomer Guide 7x7mm	Ultem
6	IC (MLF) Guide	Torlon 4203
7	Nut, #0-80, SS	Stainless Steel (18-8)
8	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel
9	0.5mm thick, 0.05x 0.05mm pitch, 50mm sqr, Z-axis conductive angled elastomer	20 Micron dia gold plated brass filaments arranged symetrically in a silicon rubber (63.5 degree angle), Thickness: 0.5mm
10	#0-80 X .25 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
11	Washer, #0 x .025", Nylon	Nylon 6/6
12	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)
13	Test PCB, C11627	Material <not specified>
14	Test Chip, C11627	Material <not specified>

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.

Rev	Date	Initials	Description
A	06/29/12	MR	Original
B	11/11/14	DH/MR	IC Guide Mat'l change

 SG-MLF-7071 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 3.98	STATUS: Released	SHEET: 4 OF 4	REV. B
		ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 4:1
		FILE: SG-MLF-7071 Dwg	DATE: 6/29/2012	