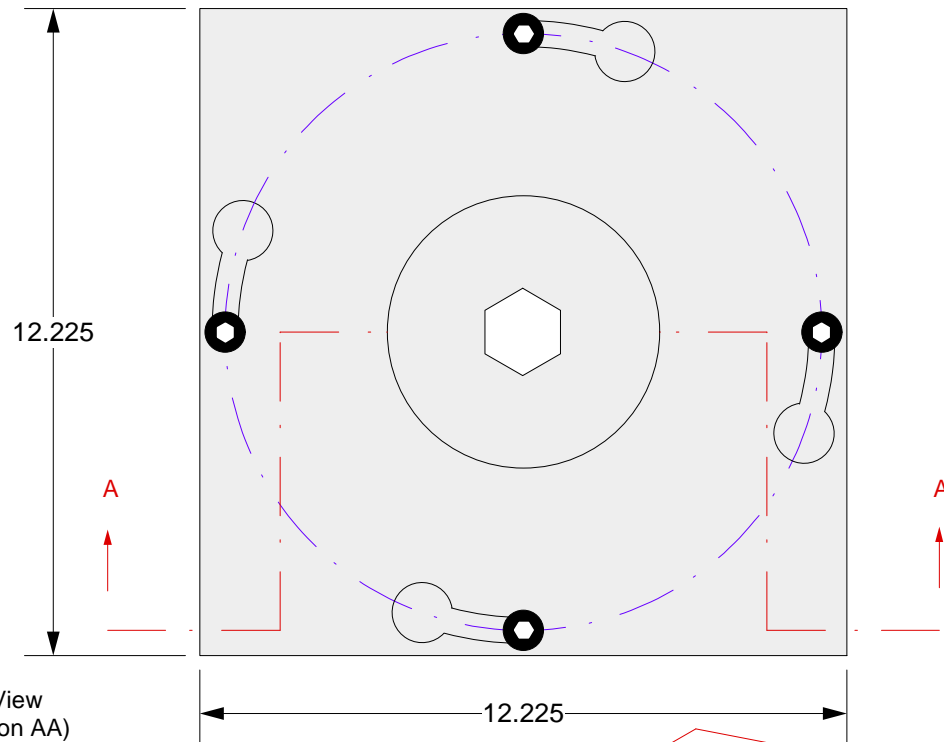
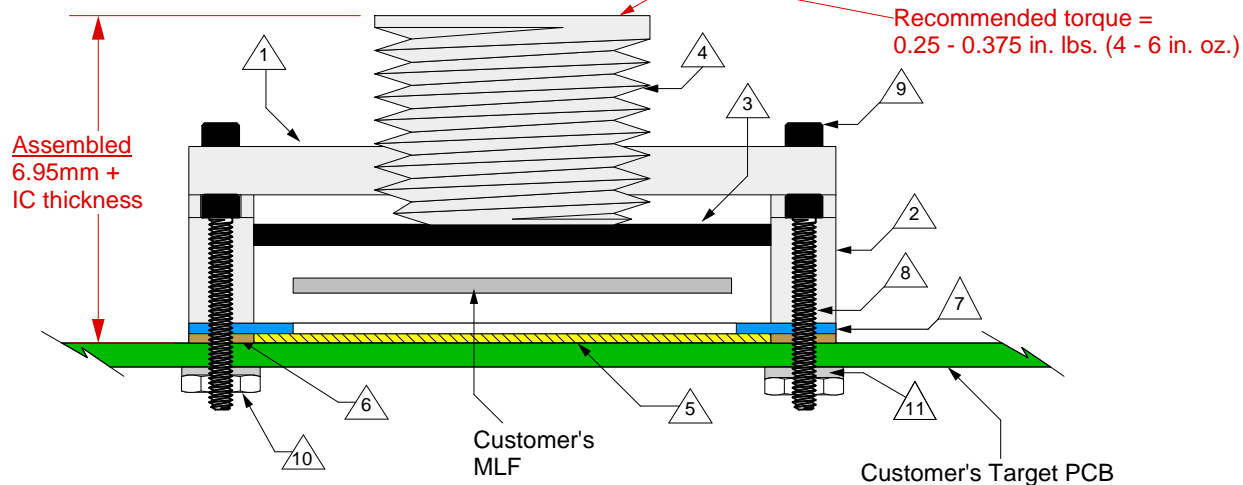


Top View



Side View  
(Section AA)



# GHz MLF 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
- IC guide prevents over compression of elastomer
- Easily removable swivel socket lid

- △ 1 Socket Lid: Black anodized Aluminum. Thickness = 2.5mm.
- △ 2 Socket base: Black anodized Aluminum. Thickness = 3mm.
- △ 3 Compression Plate: Black anodized Aluminum. Thickness = 1.5mm.
- △ 4 Compression screw: Clear anodized Aluminum. Thickness = 5mm, Hex socket = 3mm.
- △ 5 Elastomer: 20 micron dia gold plated brass filaments arranged symmetrically in a silicone rubber (63.5 degree angle). Thickness = 0.5mm.
- △ 6 Elastomer Guide: Cirlex. Thickness = 0.475mm.
- △ 7 IC (MLF) Guide: Torlon 4203
- △ 8 Socket base screw: Socket head cap, Alloy steel with black oxide finish, 0-80 fine thread, 9.525mm long.
- △ 9 Socket lid screw: Shoulder screw, 18-8 SS, 0-80 fine thread.
- △ 10 Socket base nut: 18-8 Stainless steel, 0-80 fine thread.
- △ 11 Nylon washer: 1.73mm ID; 4.78mm OD 0.64mm thickness.

### SG-MLF-7027 Drawing

Status: Released

Scale: -

Rev: F

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Tele: (952) 229-8200  
www.ironwoodelectronics.com

Drawing: J. Glab

Date: 11/13/07

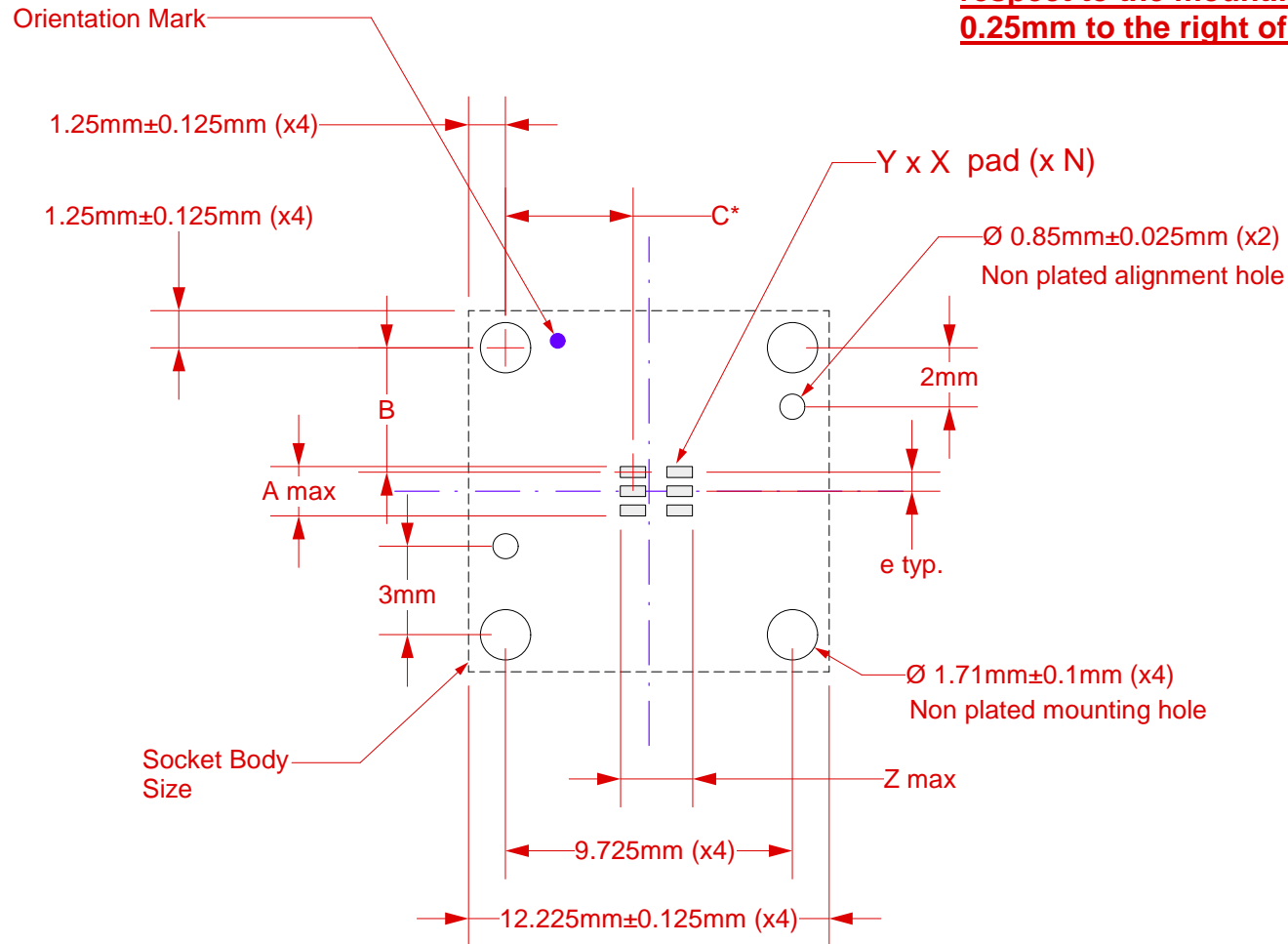
File: SG-MLF-7027 Dwg.mcd

Modified: 11/11/14

All tolerances:  $\pm 0.125$ mm (unless stated otherwise). Materials and specifications are subject to change without notice.

Recommended PCB Layout  
Top View

**\*Note: MLF pattern is not symmetrical with respect to the mounting holes. It is offset 0.25mm to the right of center.**




Target PCB Recommendations

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

Package Code	C	B	Z max	A max	e	X	Y	N
QFN6A	4.3225	4.2125	2.44	1.67	0.65	0.37	0.86	6
QFN8H	4.327	4.112	2.4	1.8	0.5	0.3	0.65	8
QFN12D	4.713	3.863	2	2	0.4	0.22	0.35	12
QFN10B	4.3875	4.0625	1.85	2.1	0.4	0.25	0.65	10

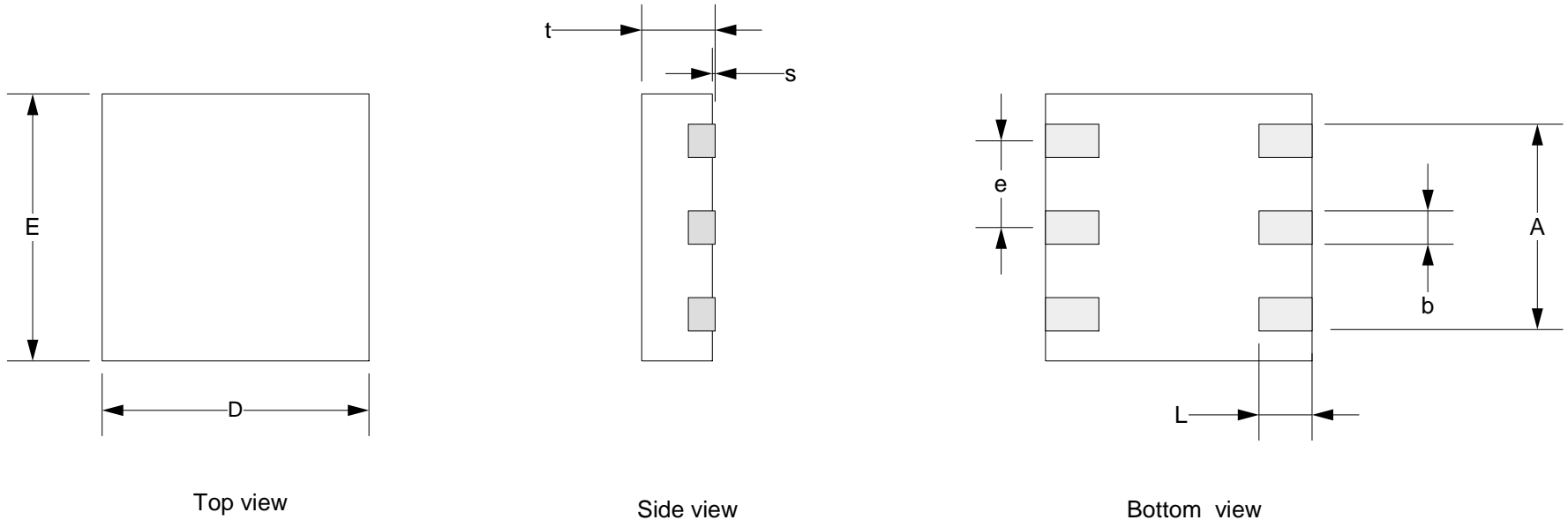
NOTE: Steel backing plate may be required based on end user's application


Recommended PCB Layout Tolerances: ±0.025mm unless stated otherwise.

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	<p>Drawing: J. Glab</p>	<p>Date: 11/13/07</p>		
	<p>File: SG-MLF-7027 Dwg.mcd</p>	<p>Modified: 11/11/14</p>		

Package Code	e	D min	D max	E min	E max	b min	b max	L min	L max	t min	t max	s min	s max	A min	A max	N
QFN6A	0.65	1.95	2.1	1.95	2.1	0.18	0.3	0.3	0.5	0.7	0.8	0.0	0.05	1.44	1.64	6
QFN8H	0.5	1.95	2.05	1.95	2.05	0.18	0.3	0.3	0.4	0.8	0.9	0	0.05	1.68	1.8	8
QFN12D	0.4	1.95	2.05	1.95	2.05	0.15	0.25	0.25	0.35	0.7	0.8	0	0.05	0.85	0.95	12
QFN10B	0.4	1.95	2.05	1.95	2.1	0.15	0.25	0.5	0.6	0.5	0.6	0.0	0.05	1.75	1.85	10

All dimensions are in mm.



	<b>SG-MLF-7027 Drawing</b>	Status: Released	Scale: -	Rev: F
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