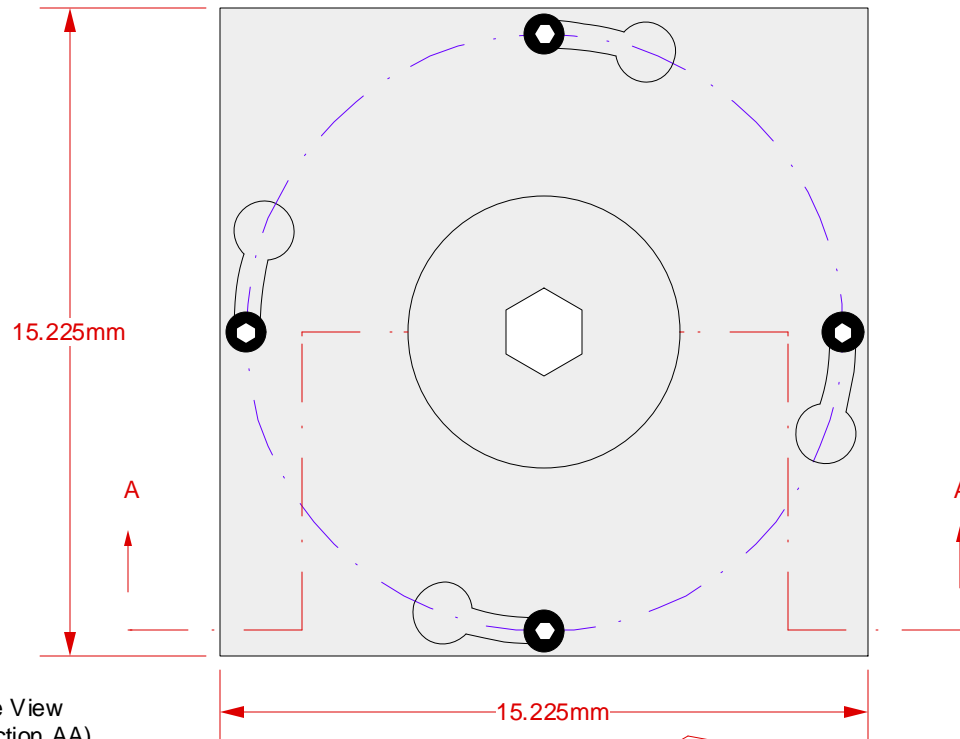
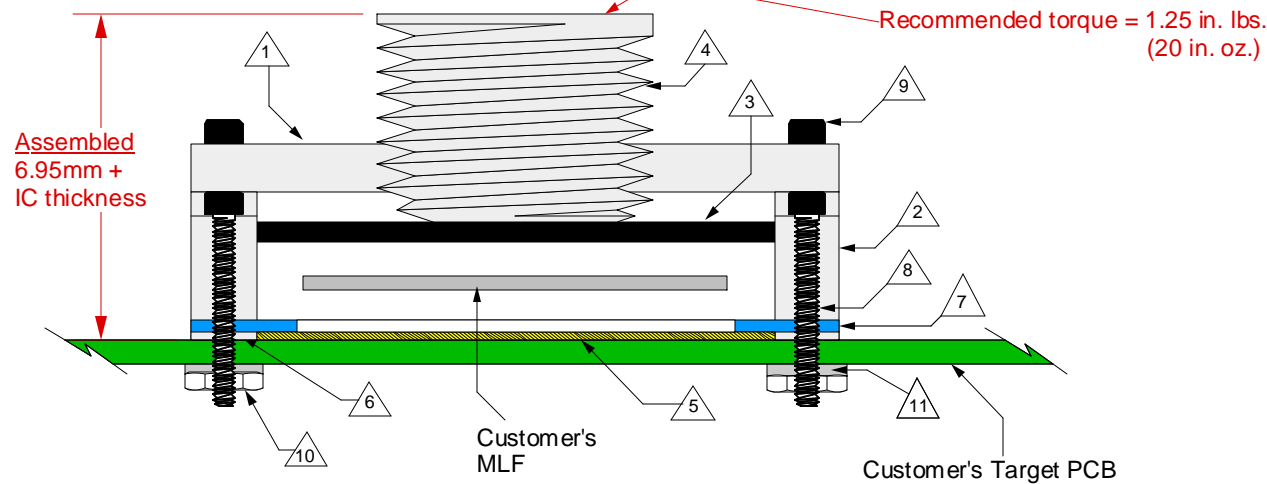


# GHz MLF Socket - Direct mount, solderless

Top View



Side View  
(Section AA)



## 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-7013 Drawing

Status: Released

Scale: -

Rev: D



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Tele: (952) 229-8200  
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Drawing: B. Roux

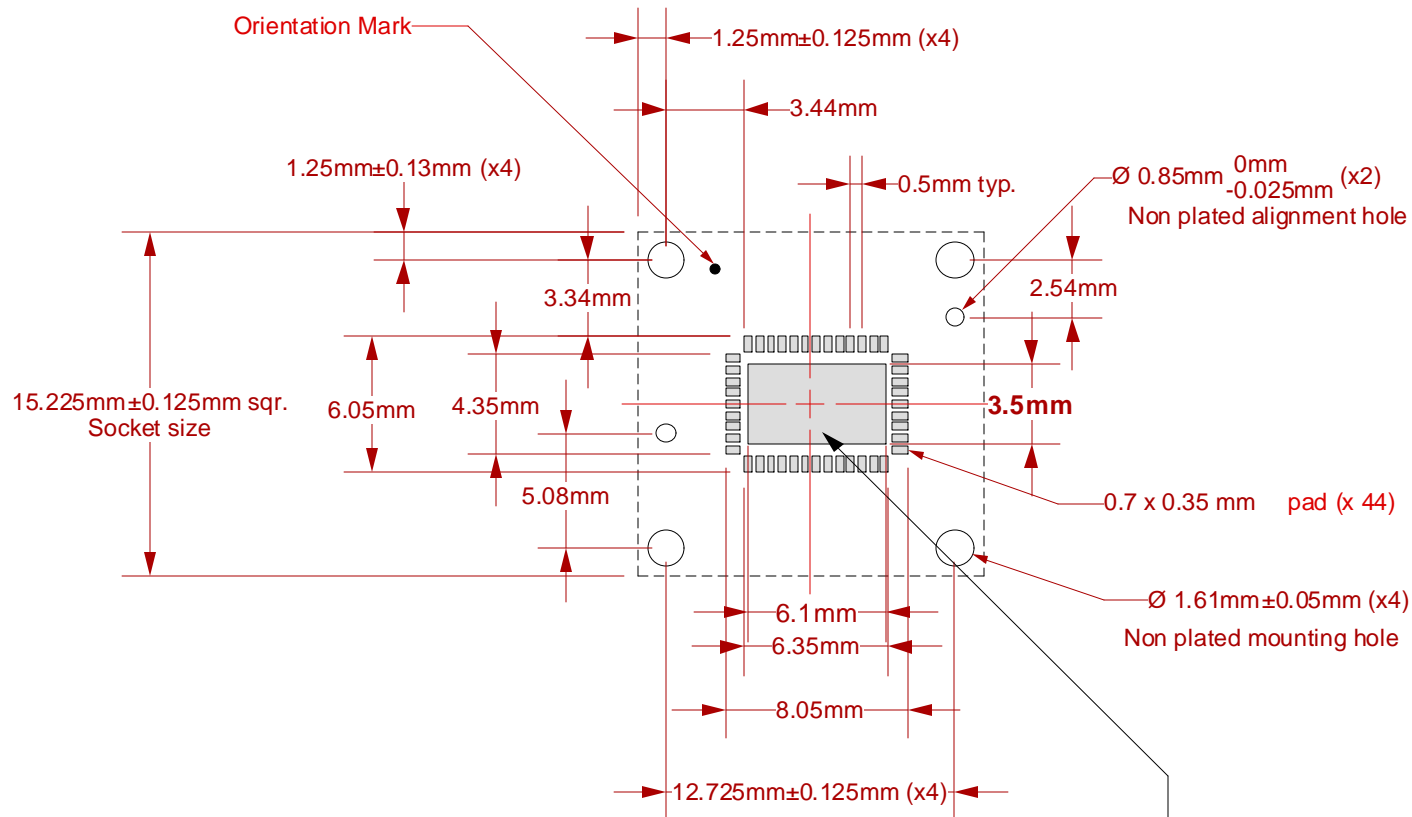
Date: 11/23/04

File: SG-MLF-7013 Dwg

Modified: 11/11/14

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

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




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

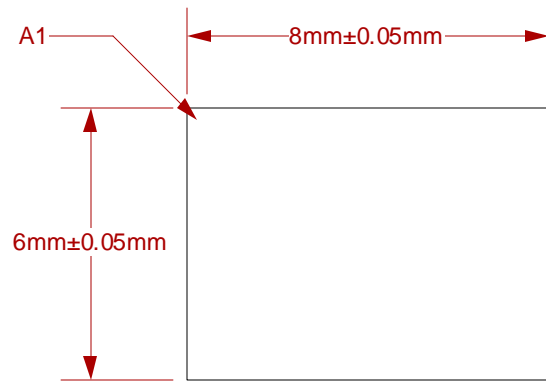
\*\*\*\* To effectively conduct heat away from the package a thermal pad is recommended with vias spaced 1.0 to 1.2 mm pitch and a diameter of 0.3 to 0.33 mm. Ideally 1 via for every 3 leads has been shown to work well.

Target PCB Recommendations

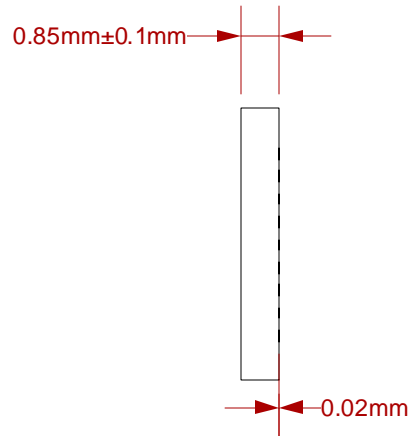
- Total thickness: 1.6mm min.
- Plating: Gold or Solder finish
- PCB Pad height: Same or higher than solder mask

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

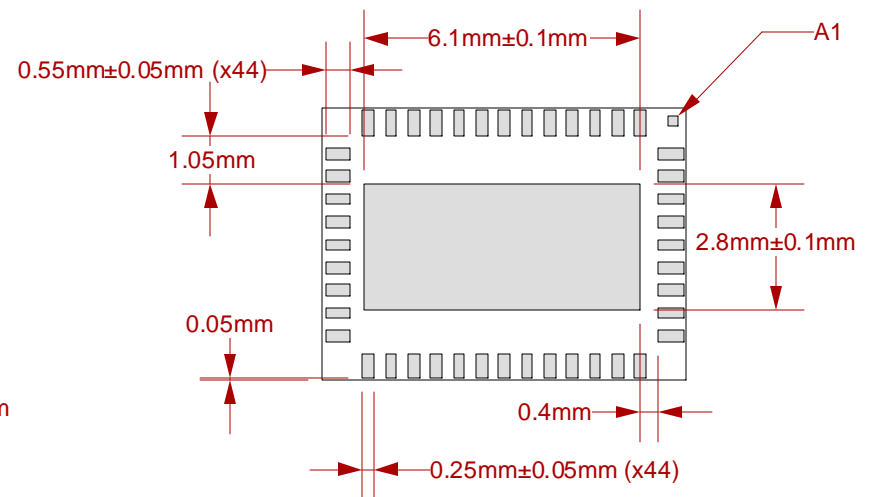
<b>SG-MLF-7013 Drawing</b>		Status: Released	Scale: 3:1	Rev: D
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			Date: 11/23/04	
			File: SG-MLF-7013 Dwg	
			Modified: 11/11/14	



Top View




Side View



Bottom View

All dimensions are in mm.

	<b>SG-MLF-7013 Drawing</b>		Status: Released	Scale: 3:1	Rev: D
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			File: SG-MLF-7013 Dwg		Modified: 11/11/14