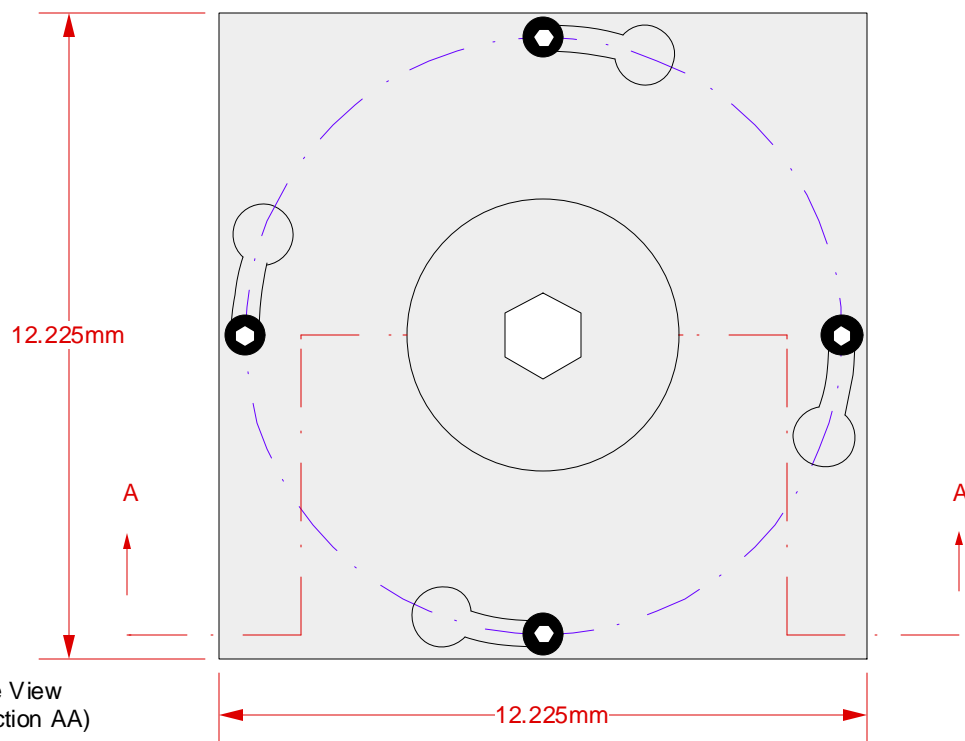
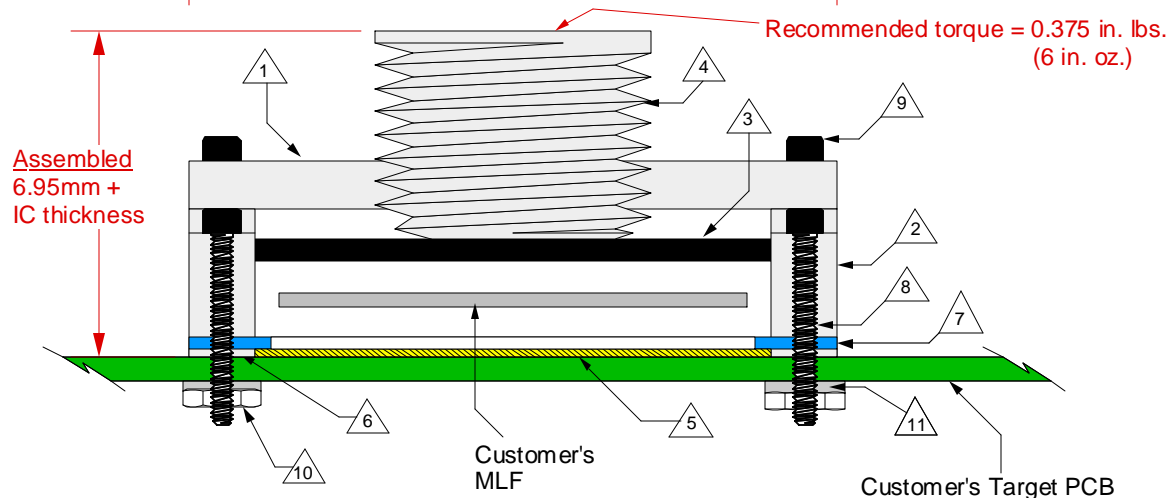


Top View



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
- 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-7021 Drawing

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11351 Rupp Dr. Ste 400 Burnsville, MN 55337  
Tele: (952) 229-8200  
www.ironwoodelectronics.com

Status: Released

Scale: -

Rev: E

Drawing: J. Glab

Date: 2/19/07

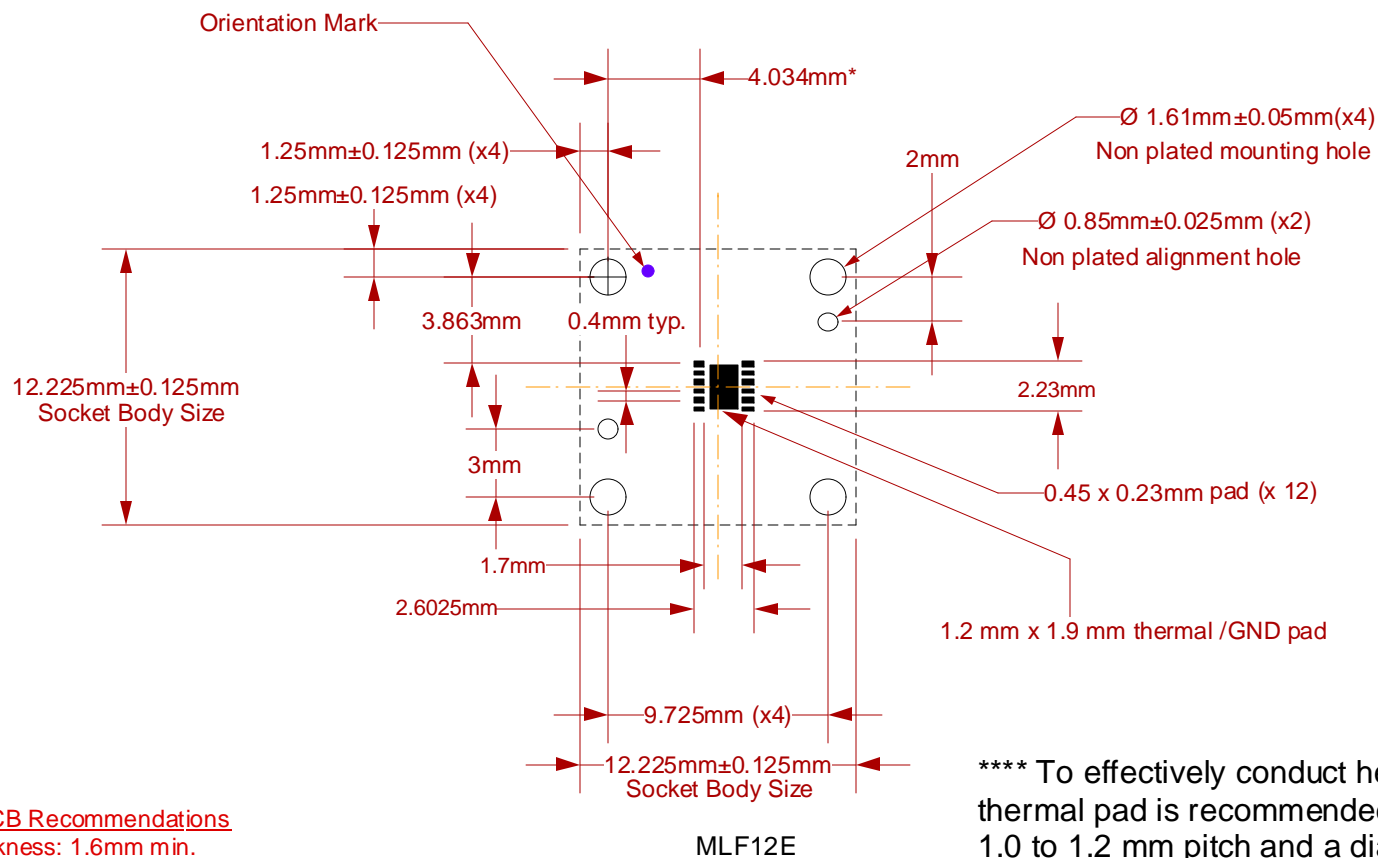
File: SG-MLF-7021 Dwg.mcd

Modified: 11/11/14, DH

All tolerances:  $\pm 0.125\text{mm}$  (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

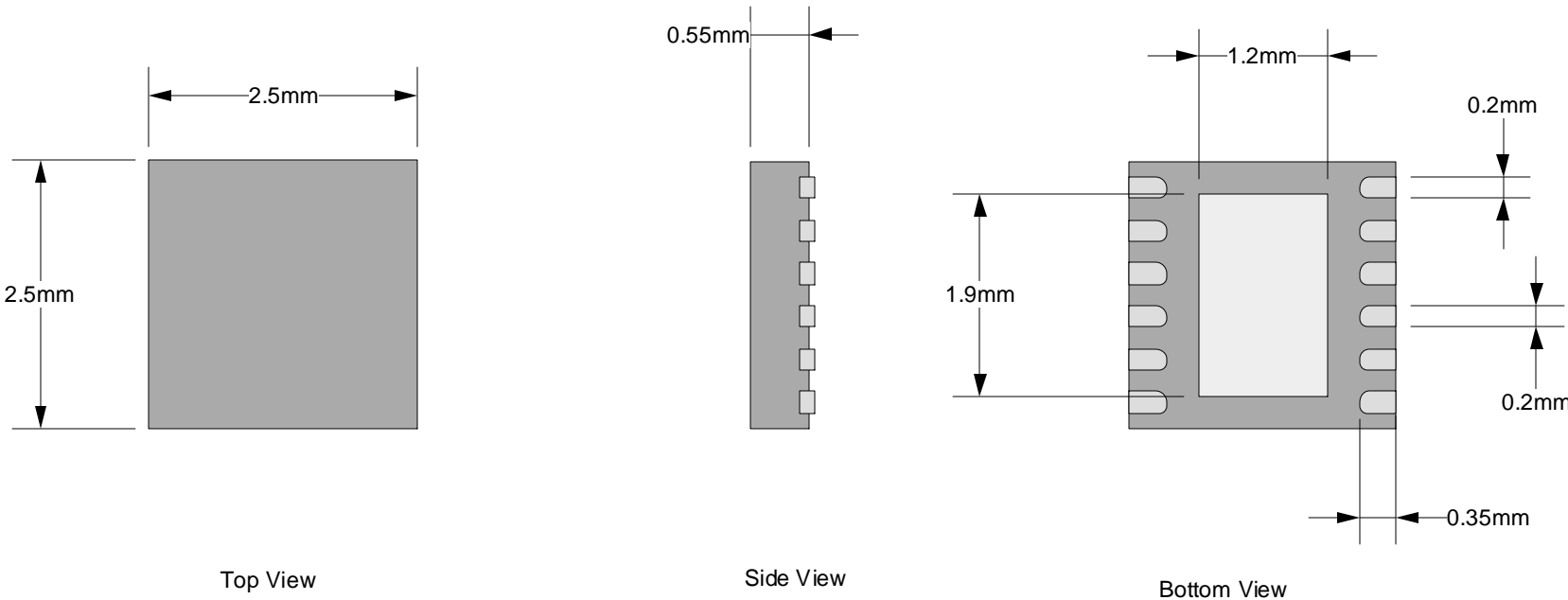
\*\*\*\* To effectively conduct heat away from the package a thermal pad is recommended with vias spaced 1.0 to 1.2 mm pitch and a diameter of 0.3 to 0.33 mm. Ideally 1 via for every 3 leads has been shown to work well.


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

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

All dimensions are in mm.

<b>SG-MLF-7021 Drawing</b>		Status: Released	Scale: 3:1	Rev: E
	© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Ste 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: J. Glab		Date: 2/19/07
		File: SG-MLF-7021 Dwg.mcd		Modified: 11/11/14, DH



<b>SG-MLF-7021 Drawing</b>		Status: Released	Scale: 15:1	Rev:E
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		File: SG-MLF-7021 Dwg.mcd		Modified: 11/11/14, DH