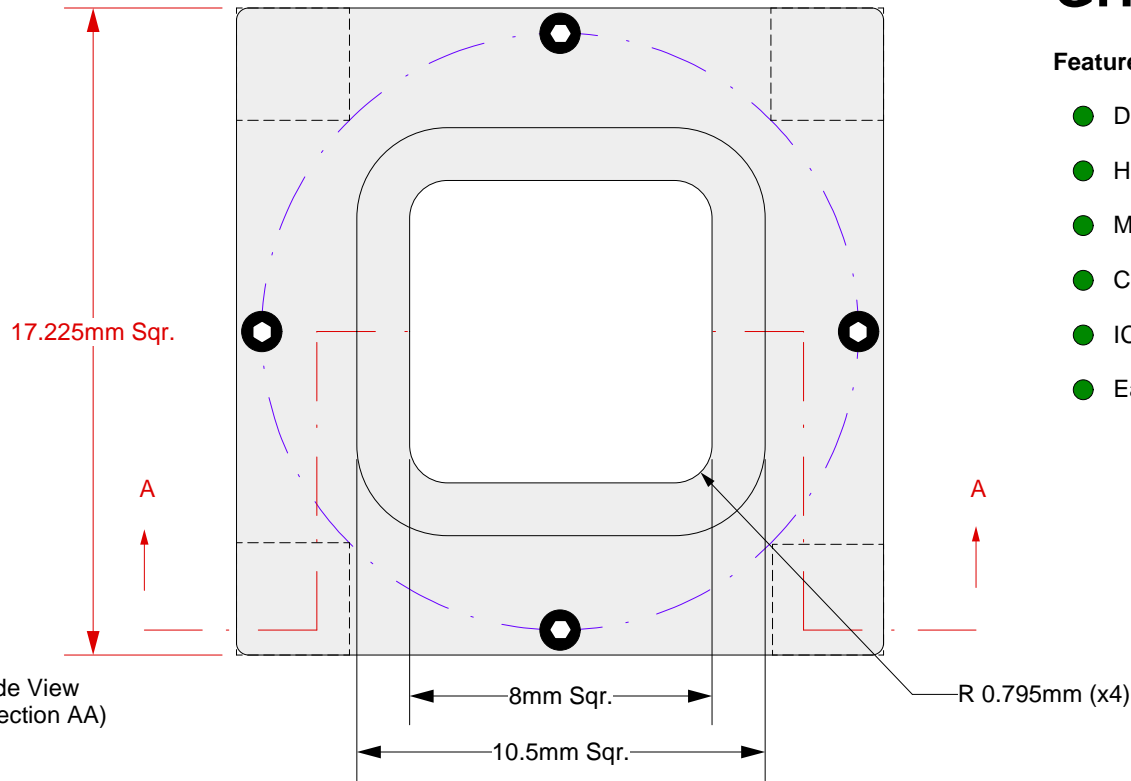
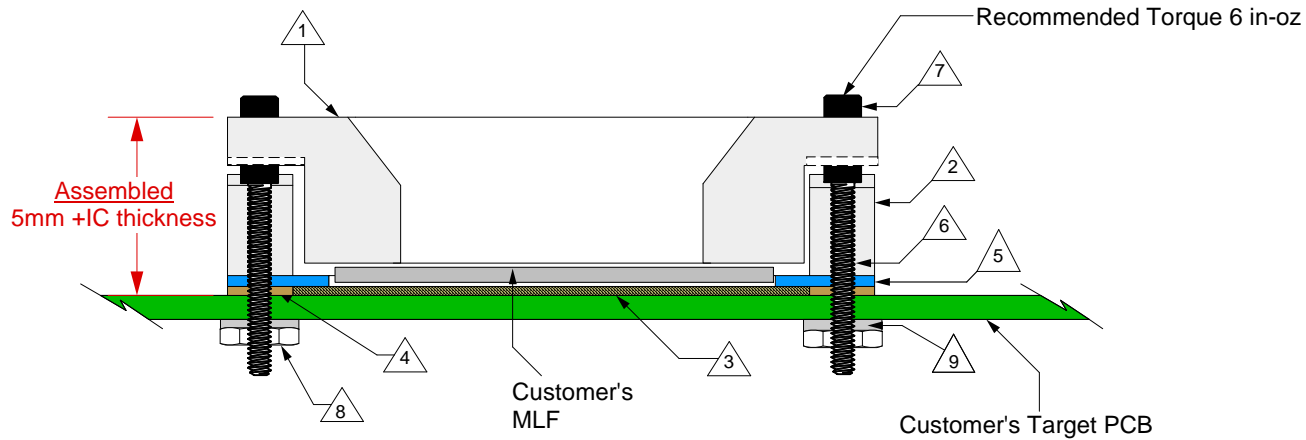


Top View



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 = 4.5mm.
- △ 2 Socket base: Black anodized Aluminum.
Thickness = 3mm.
- △ 3 Elastomer: 20 micron dia gold plated brass filaments arranged symmetrically in a silicone rubber (63.5 degree angle).
Thickness = 0.5mm.
- △ 4 Elastomer Guide: Cirlex
Thickness = 0.475mm.
- △ 5 IC (MLF) Guide: Torlon
- △ 6 Socket base screw: Socket head cap, Alloy steel with black oxide finish, 0-80 fine thread, 7.94mm long.
- △ 7 Socket lid screw: Socket head cap, Alloy steel with black oxide finish, 0-80 fine thread, 4.76mm long.
- △ 8 Socket base nut: 18-8 Stainless steel, 0-80 fine thread.
- △ 9 Nylon washer: 1.73mm ID; 4.78mm OD
0.64mm thickness.

SG-MLF-7025 Drawing

Status: Released

Scale: -

Rev: B



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Drawing: J. Glab

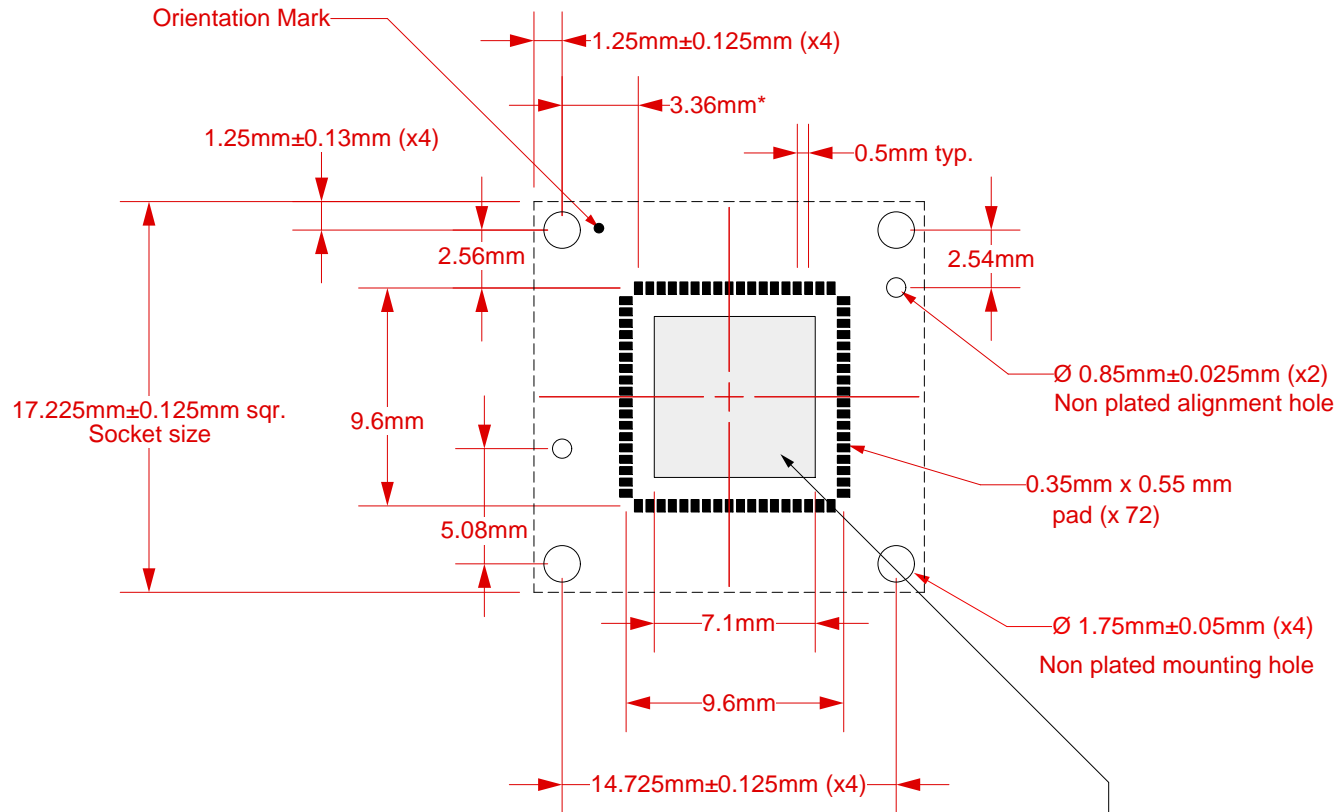
Date: 6/26/07

File: SG-MLF-7025 Dwg.mcd

Modified: 11/11/14, DH

All tolerances: ± 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.**

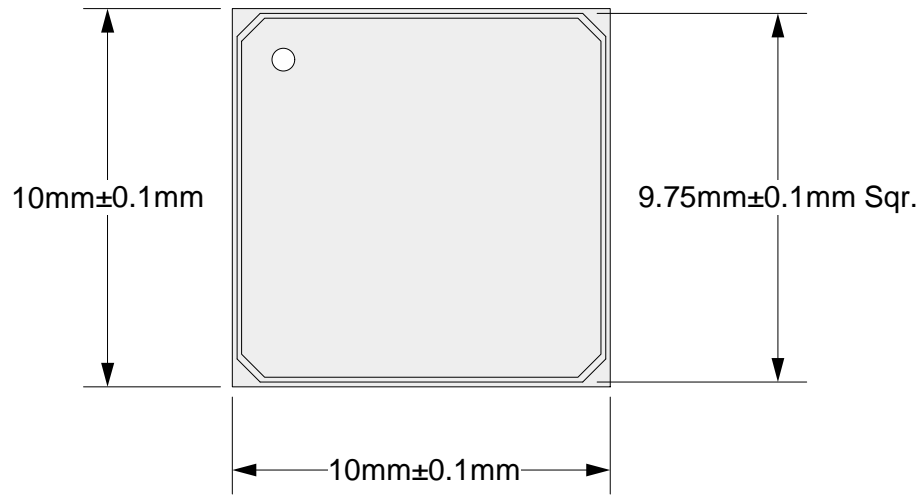


Target PCB Recommendations

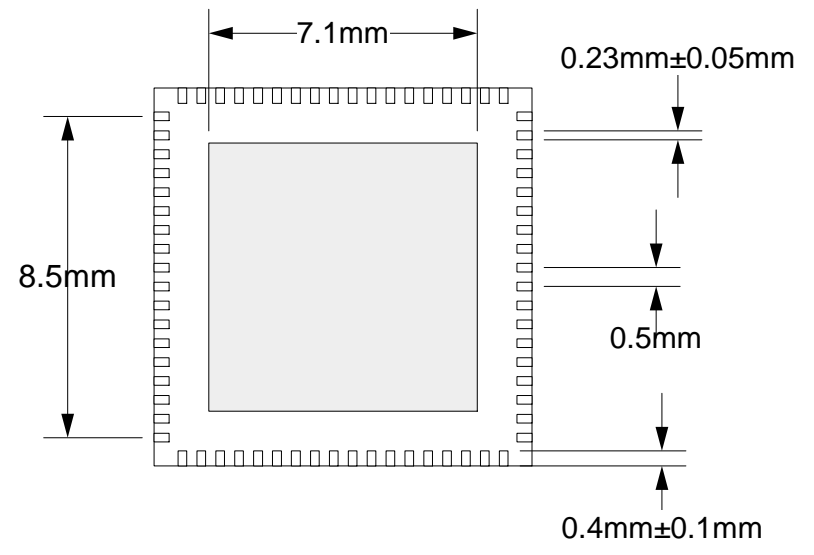
Total thickness: 1.6mm min.
Plating: Gold or Solder finish
PCB Pad height: Same or higher than solder mask
NOTE: Steel backing plate may be required based on end user's application

**** 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.

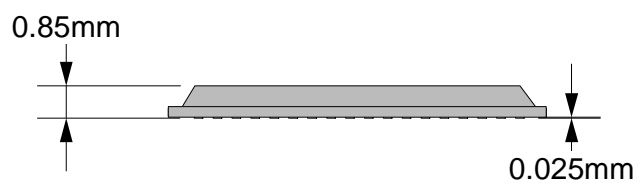
 <p>© 2007 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com</p>	<p>SG-MLF-7025 Drawing</p>		<p>Status: Released</p>	<p>Scale: -</p>	<p>Rev: B</p>
	<p>Drawing: J. Glab</p>			<p>Date: 6/26/07</p>	
	<p>File: SG-MLF-7025 Dwg.mcd</p>			<p>Modified: 11/11/14, DH</p>	



Top View




Bottom View



Side View

Recommended PCB Layout Tolerances: $\pm 0.025\text{mm}$ unless stated otherwise.
All dimensions are in mm.

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	<p>Drawing: J. Glab</p>	<p>Date: 6/26/07</p>		
	<p>File: SG-MLF-7025 Dwg.mcd</p>	<p>Modified: 11/11/14, DH</p>		