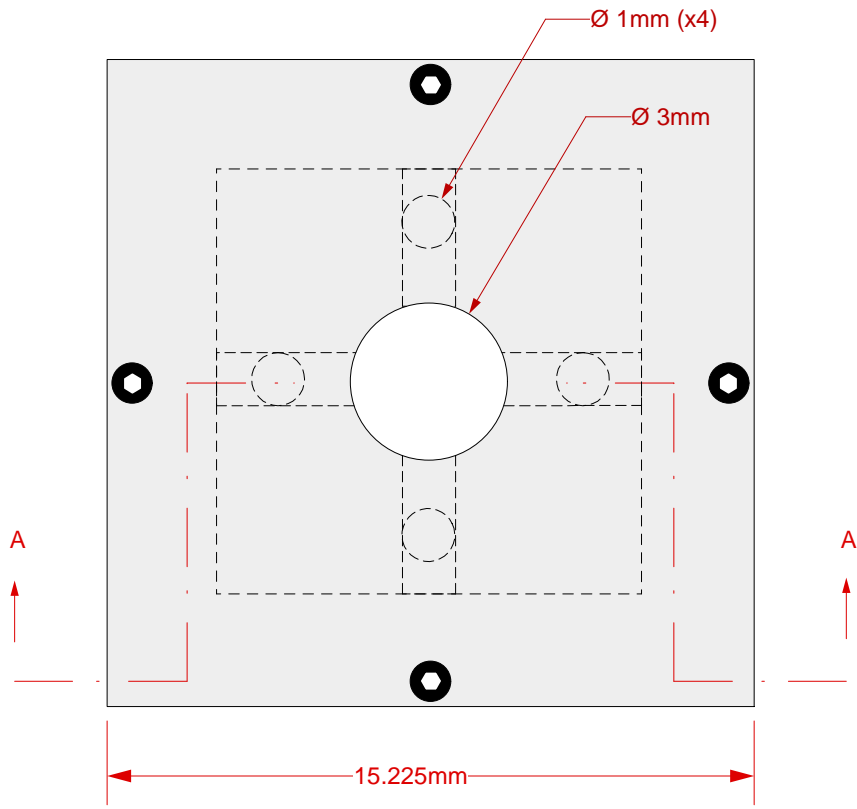
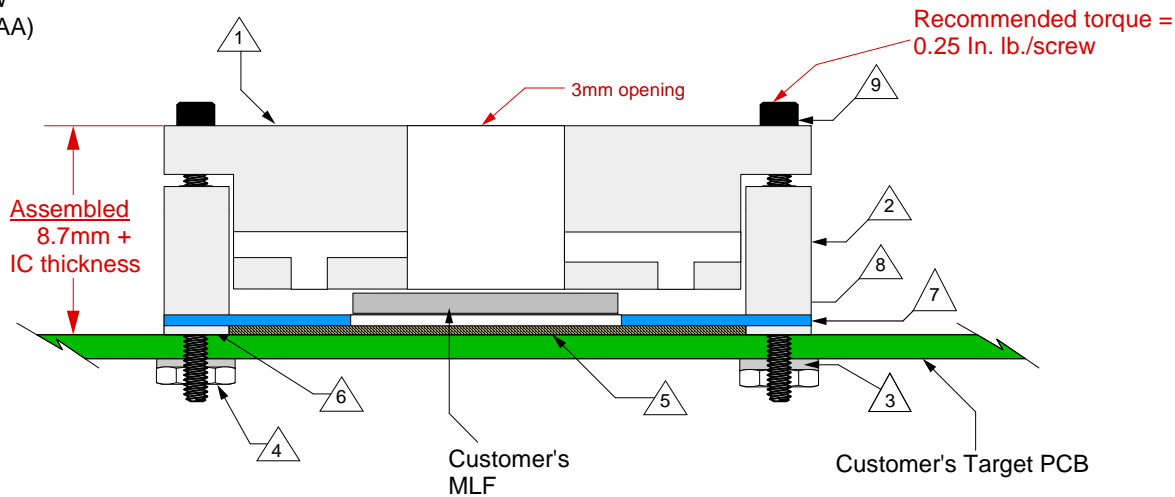


Top View



Side View
(Section AA)




GHz MLF Socket - Direct mount, solderless

Features

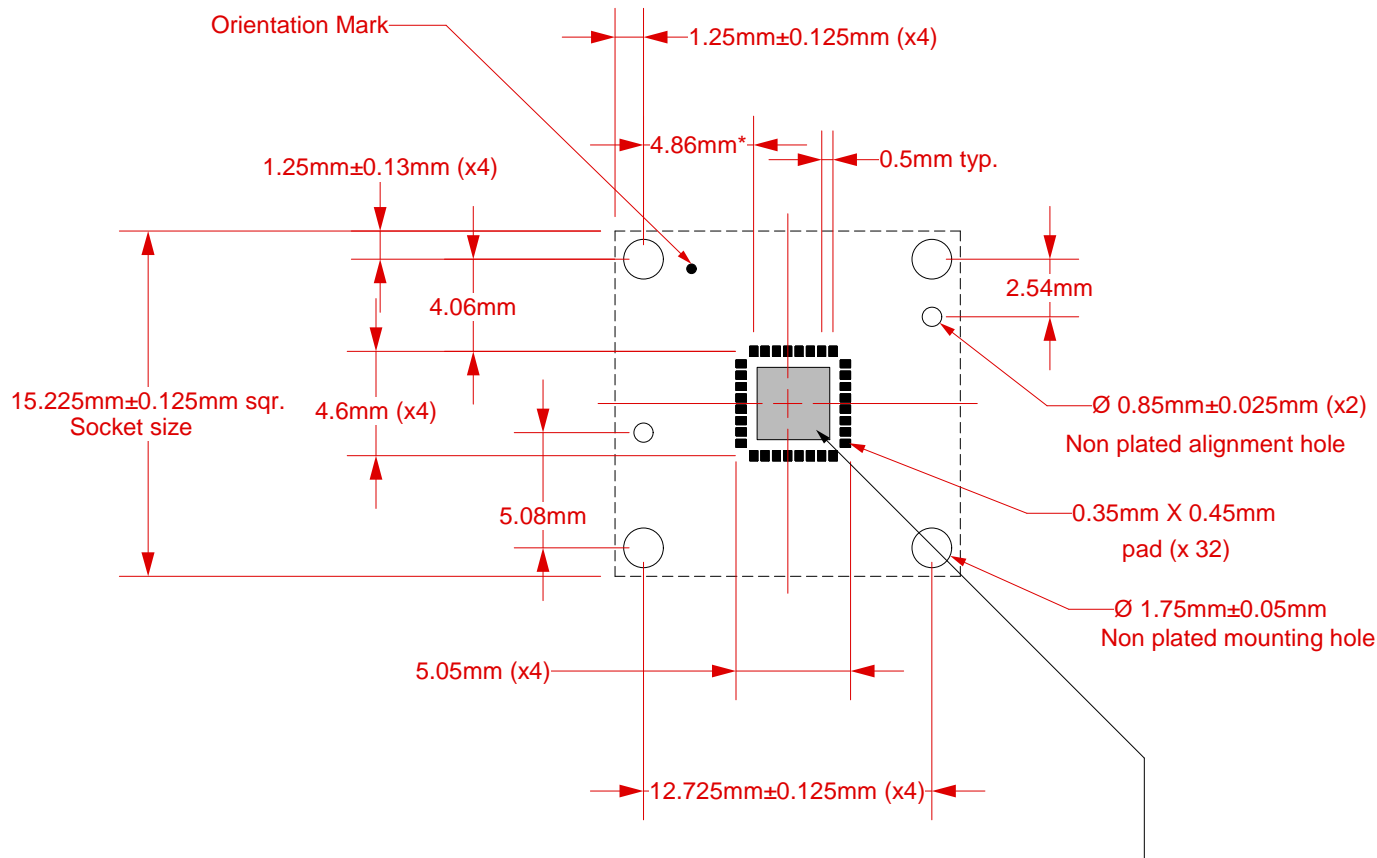
- Directly mounts to target PCB (needs tooling holes) with hardware.
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- IC guide prevents over compression of elastomer
- Easily removable swivel socket lid

- 1 Socket Lid: Black anodized Aluminum. Thickness = 2.5mm.
- 2 Socket base: Black anodized Aluminum. Thickness = 5mm.
- 3 Nylon washer: 1.73mm ID; 4.78mm OD 0.64mm thickness.
- 4 Socket base nut: 18-8 Stainless steel, 0-80 fine thread.
- 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.

	SG-MLF-7023 Drawing	Status: Released	Scale: -	Rev: D
	© 2007 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Ste 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: J. Glab		Date: 5/15/07
		File: SG-MLF-7023 Dwg.mcd	Modified: 11/11/14	

All tolerances: ±0.125mm (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.**




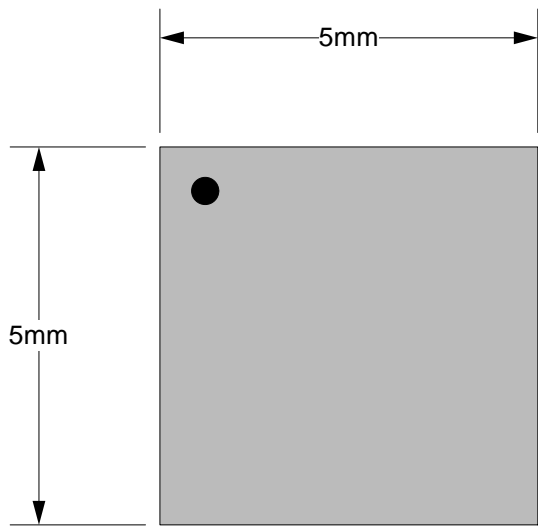
**** To effectively conduct heat away from the package a thermal pad is recommended with vias spaced 1.0 to 1.2 mm pitch and a diameter of 0.3 to 0.33 mm. Ideally 1 via for every 3 leads has been shown to work well.

Target PCB Recommendations

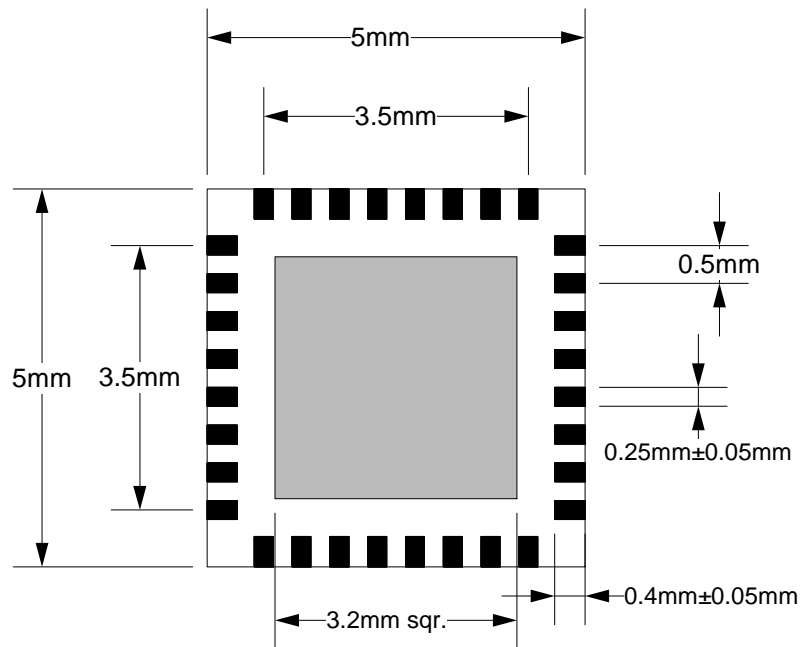
- Total thickness: 1.6mm min.
- Plating: Gold or Solder finish
- PCB Pad height: Same or higher than solder mask

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

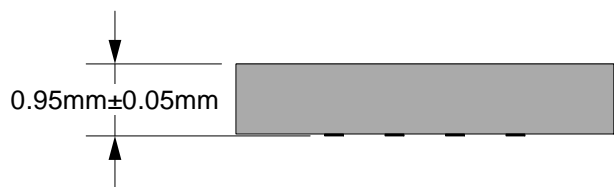
	SG-MLF-7023 Drawing	Status: Released	Scale: -	Rev: D
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		File: SG-MLF-7023 Dwg.mcd	Modified: 11/11/14	




Top View



Bottom View



Side View

SG-MLF-7023 Drawing		Status: Released	Scale: -	Rev: D
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			File: SG-MLF-7023 Dwg.mcd Modified: 11/11/14	