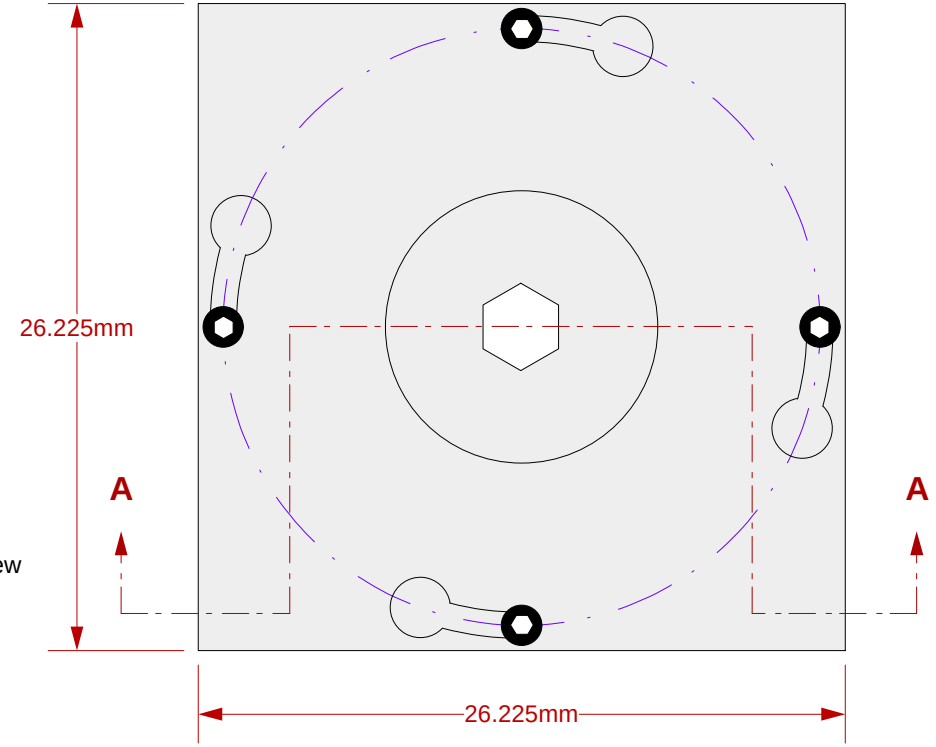
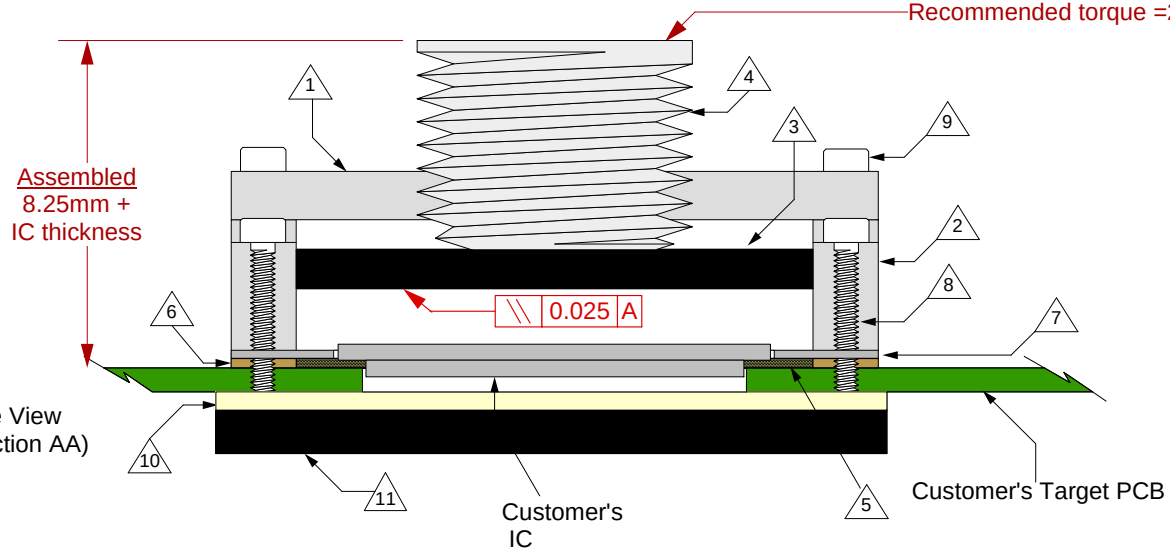
GHz MLF Socket - Direct mount, solderless

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



Top View



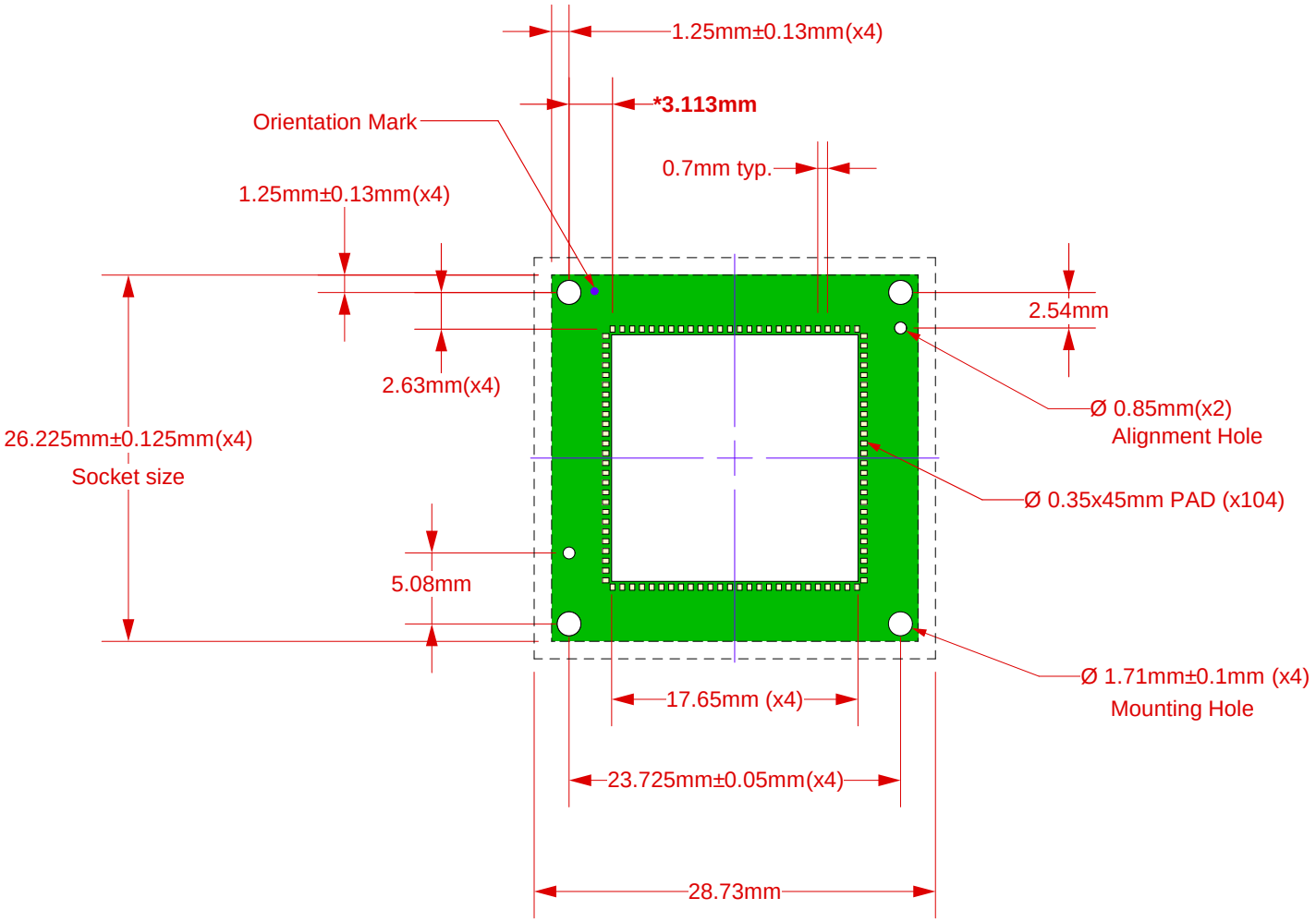
Side View
(Section AA)

1	Socket Lid: Black anodized Aluminum. Thickness = 2.5mm.
2	Socket base: Black anodized Aluminum. Thickness = 5mm.
3	Compression Plate: Black anodized Aluminum. Thickness = 2.5mm.
4	Compression screw: Clear anodized Aluminum. Thickness = 5mm, Hex socket = 5mm.
5	High temp. Interposer: Thickness= 0.363mm.
6	Elastomer Guide: Cirlex Thickness = 0.725mm.
7	IC (MLF) Guide: Ultem1000
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	Insulation Plate: FR4/G10, 1.59mm thick.
11	Backing Plate: Anodized Aluminum 6.35mm thick.

XG-QFN-9000 Drawing	Status: Released	Scale: -	Rev: C
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Suite 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: A. Evans	Date: 6/18/08	
	File: XG-QFN-9000 Dwg	Modified: 7/8/09, AE	

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

Recommended PCB Layout
Top View



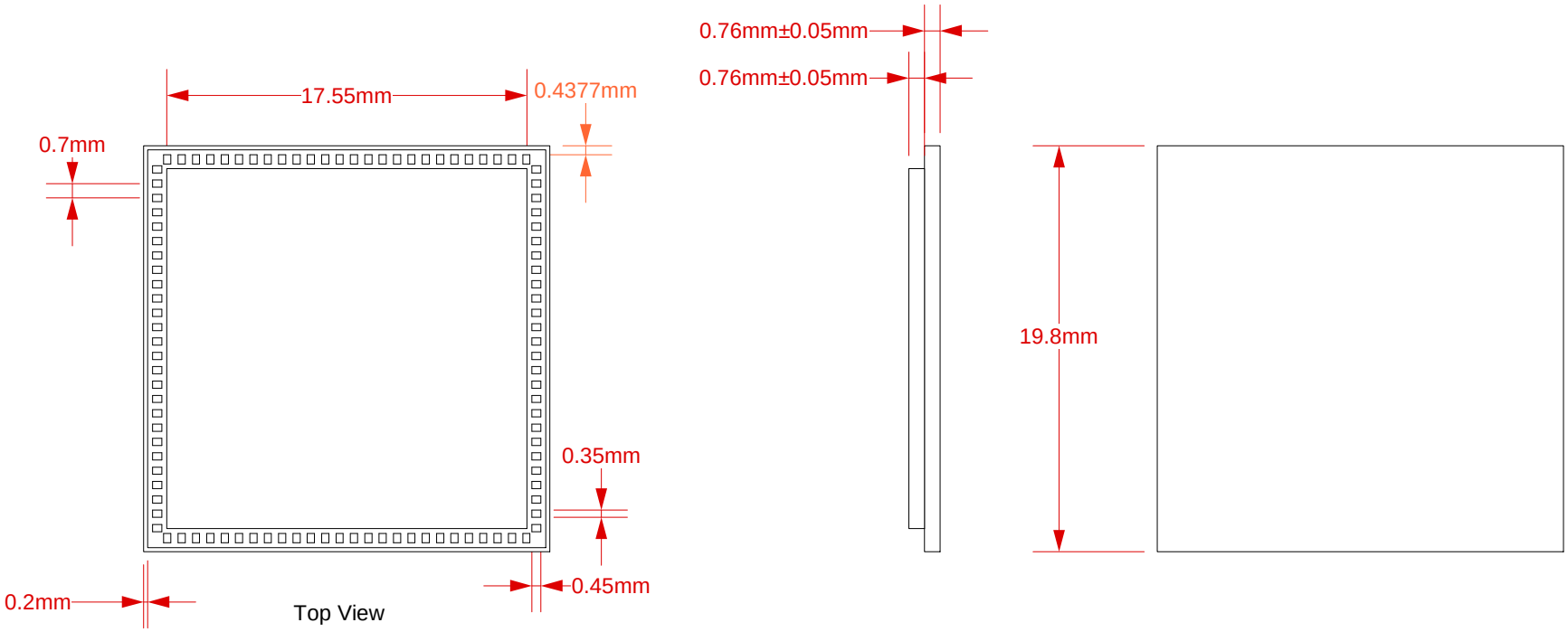
Target PCB Recommendations
Total thickness: 1.6mm min.
Plating: Gold or Solder finish
PCB Pad height: Same or higher than solder mask

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

Recommended PCB Layout Tolerances:
±0.025mm [±0.001"] unless stated otherwise.

XG-QFN-9000 Drawing	Status: Released	Scale: -	Rev: C
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Suite 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: A. Evans	Date: 6/18/08	
	File: XG-QFN-9000 Dwg	Modified: 7/8/09, AE	

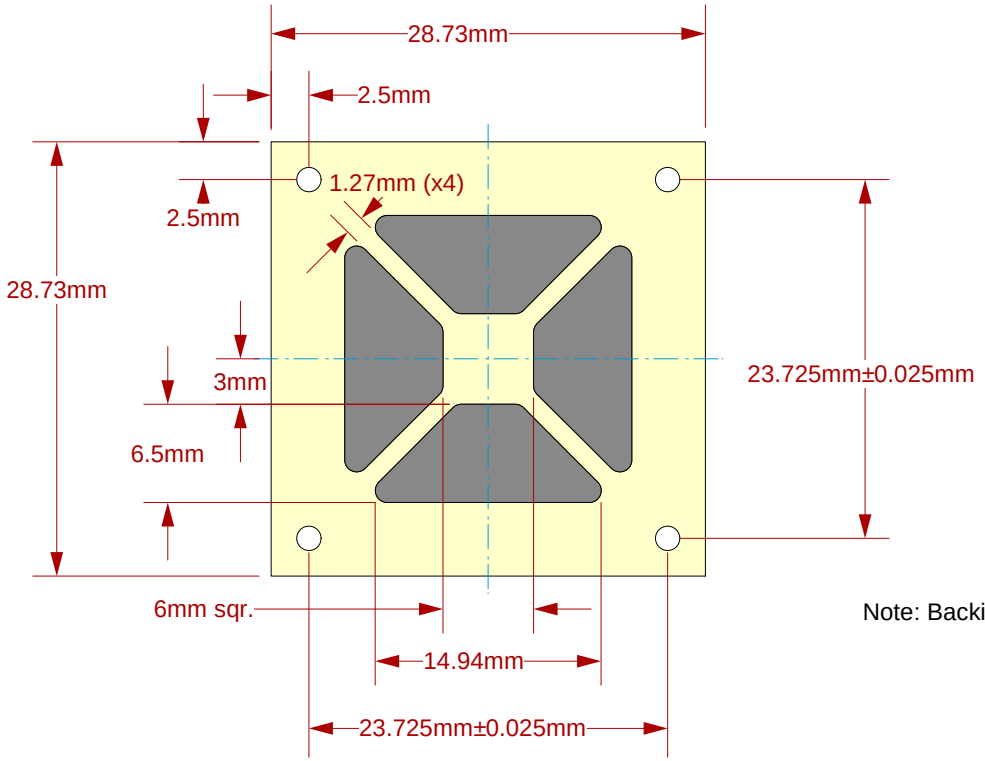
Compatible Package Spec



XG-QFN-9000 Drawing	Status: Released	Scale: -	Rev: C
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Suite 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: A. Evans	Date: 6/18/08	
	File: XG-QFN-9000 Dwg	Modified: 7/8/09, AE	

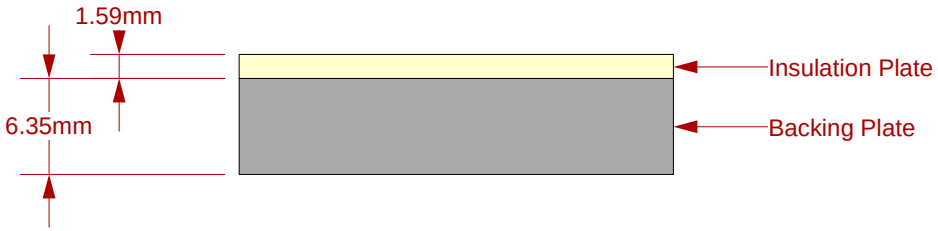
Backing and insulation Plate

Top View



Note: Backing plate holes are tapped to accept 0-80 screws.

Side View



XG-QFN-9000 Drawing	Status: Released	Scale: -	Rev: C
© 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Suite 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: A. Evans	Date: 6/18/08	
	File: XG-QFN-9000 Dwg	Modified: 7/8/09, AE	