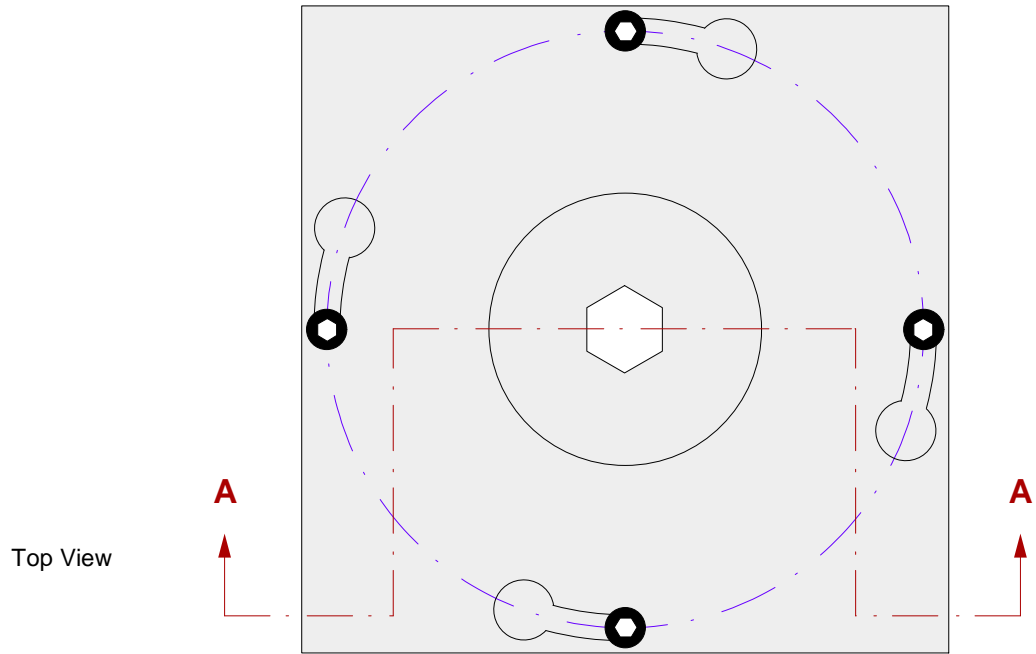


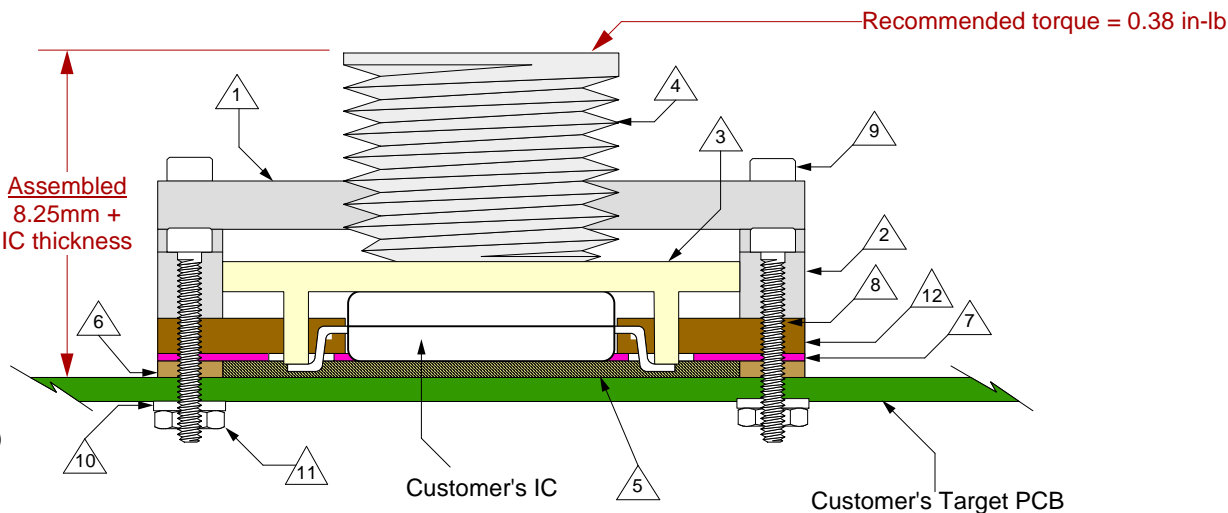
GHz Socket - Direct mount, solderless

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
- Easily removable swivel socket lid




Top View



Side View
(Section AA)

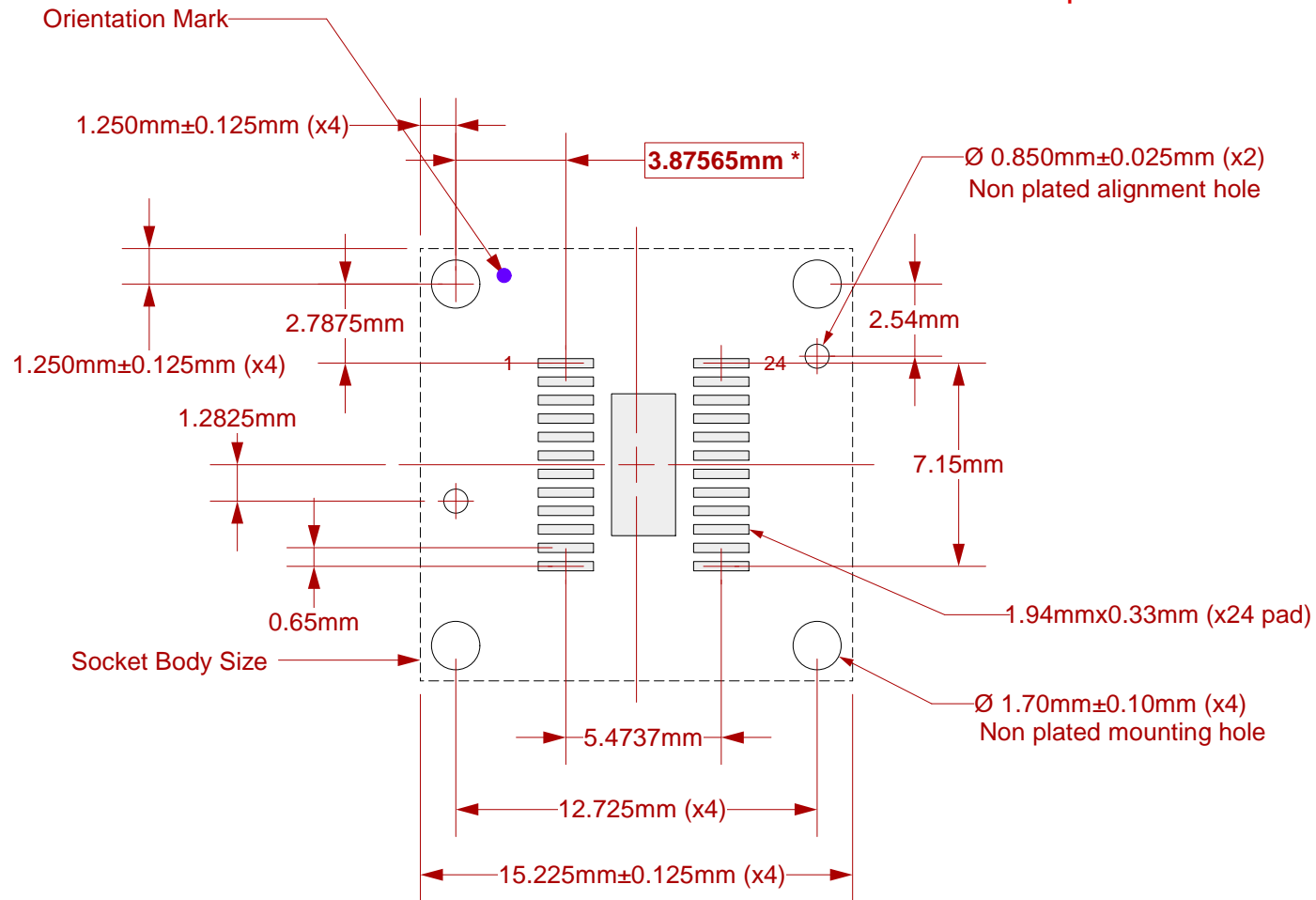
- △ 1 Socket Lid: Black anodized Aluminum. Thickness = 2.5mm.
- △ 2 Socket base: Black anodized Aluminum. Thickness = 5mm.
- △ 3 Compression Plate: Ceramic Filled Peek
- △ 4 Compression screw: Clear anodized Aluminum. Thickness = 5mm, Hex socket = 5mm.
- △ 5 Elastomer: 20 micron dia gold plated brass filaments arranged symmetrically in a silicone rubber (63.5 degree angle). Thickness = 0.5mm.
- △ 6 Elastomer Guide: Non-clad FR4. Thickness = 0.475mm.
- △ 7 Lead Guide: Kapton Film
- △ 8 Socket base screw: Socket head cap, alloy steel with black oxide finish, 0-80 fine thread , 9.525mm long.
- △ 9 Socket lid screw: Socket head cap, alloy steel with black oxide finish, 0-80 fine thread , 4.76mm long.
- △ 10 Nylon washer
- △ 11 Hex nut
- △ 12 IC Guide: Ultem 1000

	SG-SOIC-3002 Drawing	Status: Released	Scale: -	Rev: A
	© 2010 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: S. Faiz		Date: 10/20/10
		File: SG-SOIC-3002 Dwg.mcd	Modified:	

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

Recommended PCB Layout
Top View


*Note: BGA pattern is **NOT** symmetrical with respect to the mounting holes.



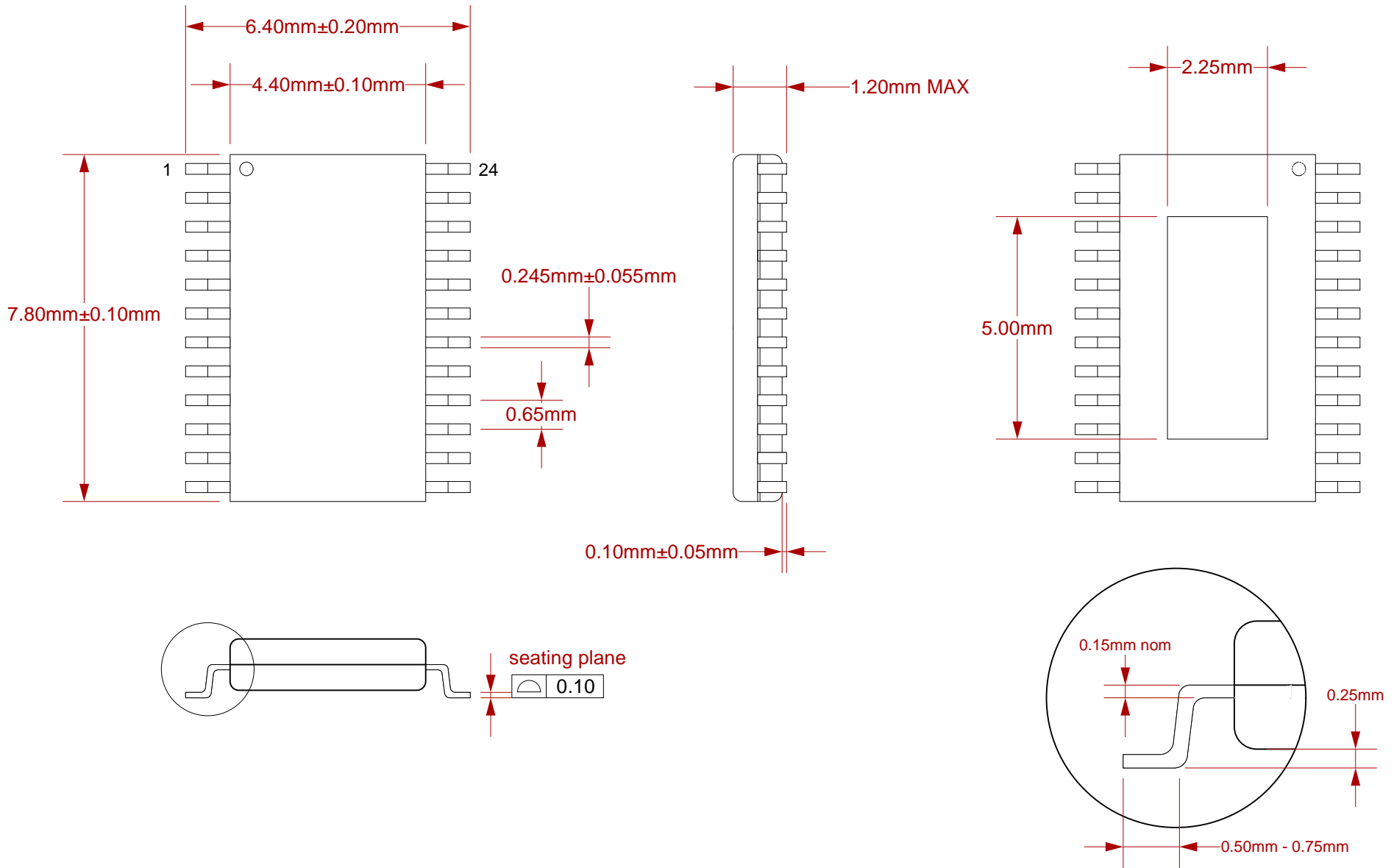
Target PCB Recommendations


Total thickness: 1.45mm min.
Plating: Immersion Gold, Immersion Silver, or Solder finish.
PCB Pad height: Same or higher than solder mask

Recommended PCB Layout Tolerances: $\pm 0.025\text{mm}$ [$\pm 0.001''$] unless stated otherwise.

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		Drawing: S. Faiz	Date: 10/20/10	
		File: SG-SOIC-3002 Dwg.mcd	Modified:	

Compatible IC Spec.



	SG-SOIC-3002 Drawing	Status: Released	Scale: -	Rev: A
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		File: SG-SOIC-3002 Dwg.mcd	Modified:	