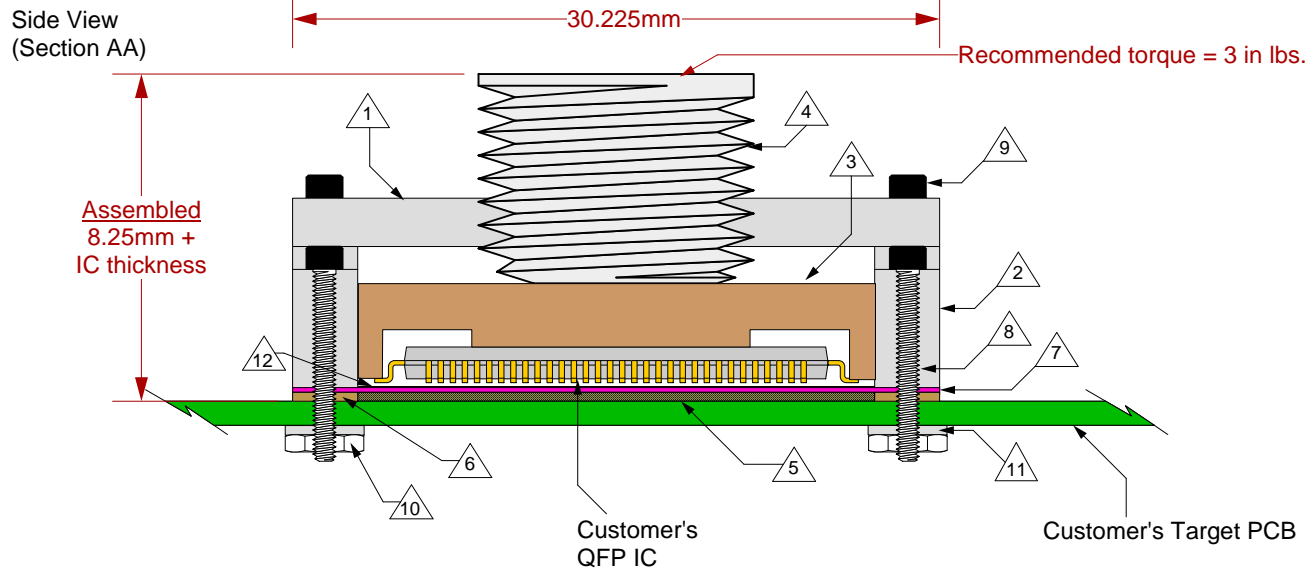
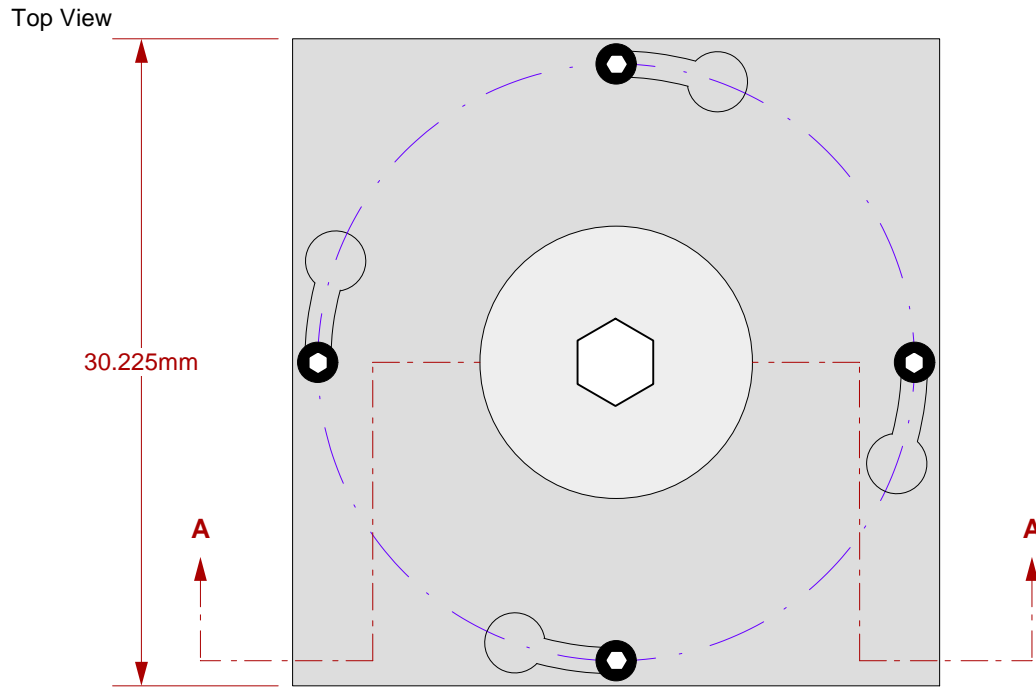



GHz QFP144 Socket - Direct mount, solderless

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

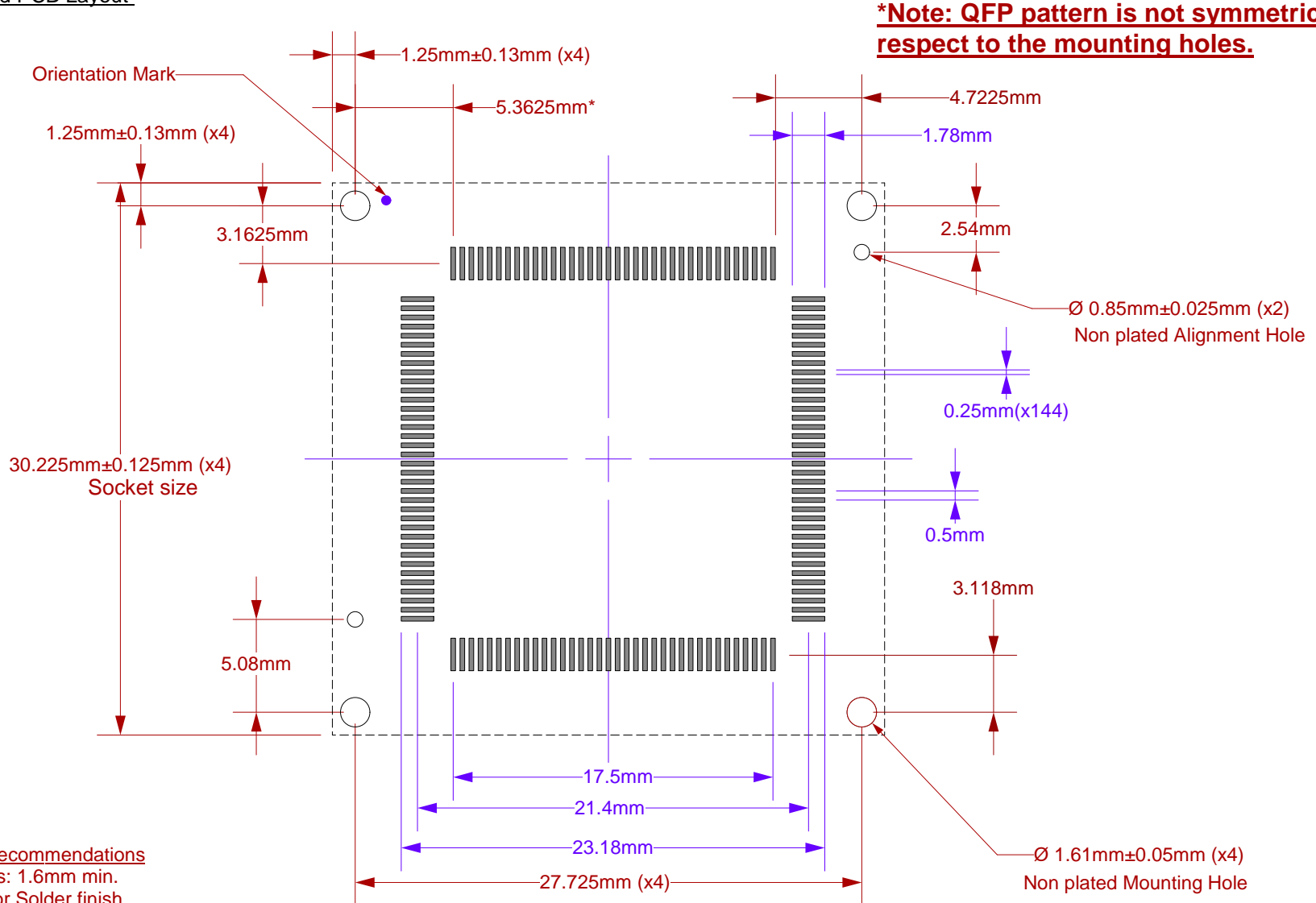


- △ 1 Socket Lid: Black anodized Aluminum. Thickness = 2.5mm.
- △ 2 Socket base: Black anodized Aluminum. Thickness = 5mm.
- △ 3 Compression Plate: Ultem 1000
- △ 4 Compression screw: Black anodized 6061 Aluminum. Thickness = 5mm, Hex socket = 5mm.
- △ 5 Elastomer: 20 micron dia gold plated brass filaments arranged symmetrically in a silicone rubber (63.5 degree angle). Thickness = 0.5mm.
- △ 6 Elastomer Guide: Non-clad FR4. Thickness = 0.5mm.
- △ 7 IC Guide: Ultem 1000
- △ 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 shoulder screw 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.
- △ 12 Lead Guide: Kapton Polyamide 0.003" thick

	SG-QFE-7006 Drawing	Status: Released	Scale: -	Rev: A
	© 2010 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Ste 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: V. Panavala		Date: 10/8/10
		File: SG-QFE-7006 Dwg	Modified:	

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

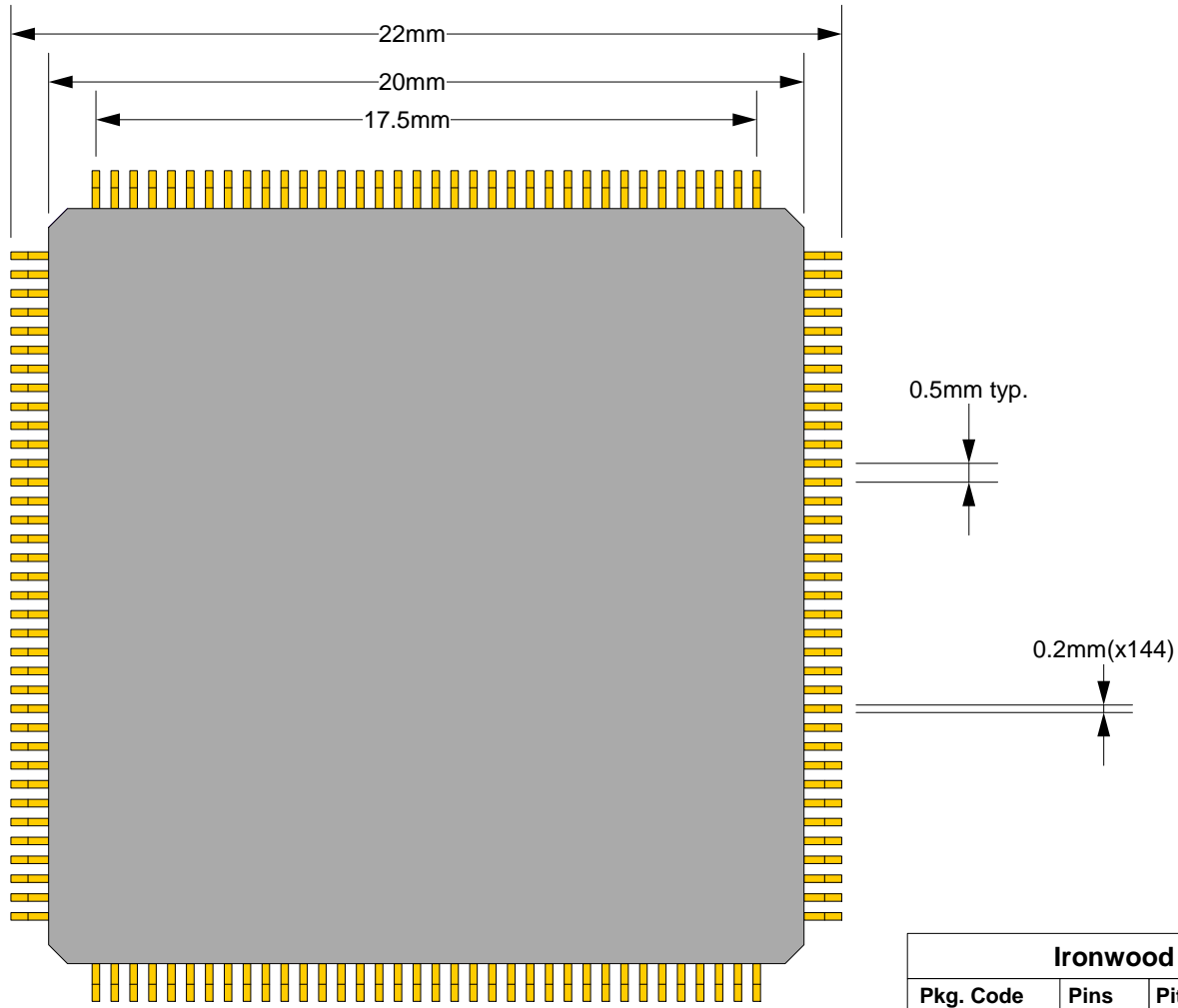
NOTE: Steel backing plate may be required based on end user's application

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

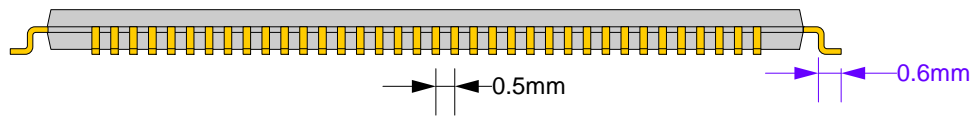
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		File: SG-QFE-7006 Dwg	Modified:	

Compatible QFP Spec

TOP VIEW
(Reference Only)




Side View



Ironwood Package codes accommodated

Pkg. Code	Pins	Pitch	Body Size	Tip to tip	foot length
QFE144SH	144	0.5mm	20x20mm	22x22mm	0.5mm

	SG-QFE-7006 Drawing © 2010 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Ste 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Status: Released	Scale: -	Rev: A
		Drawing: V. Panavala	Date: 10/8/10	
		File: SG-QFE-7006 Dwg	Modified:	