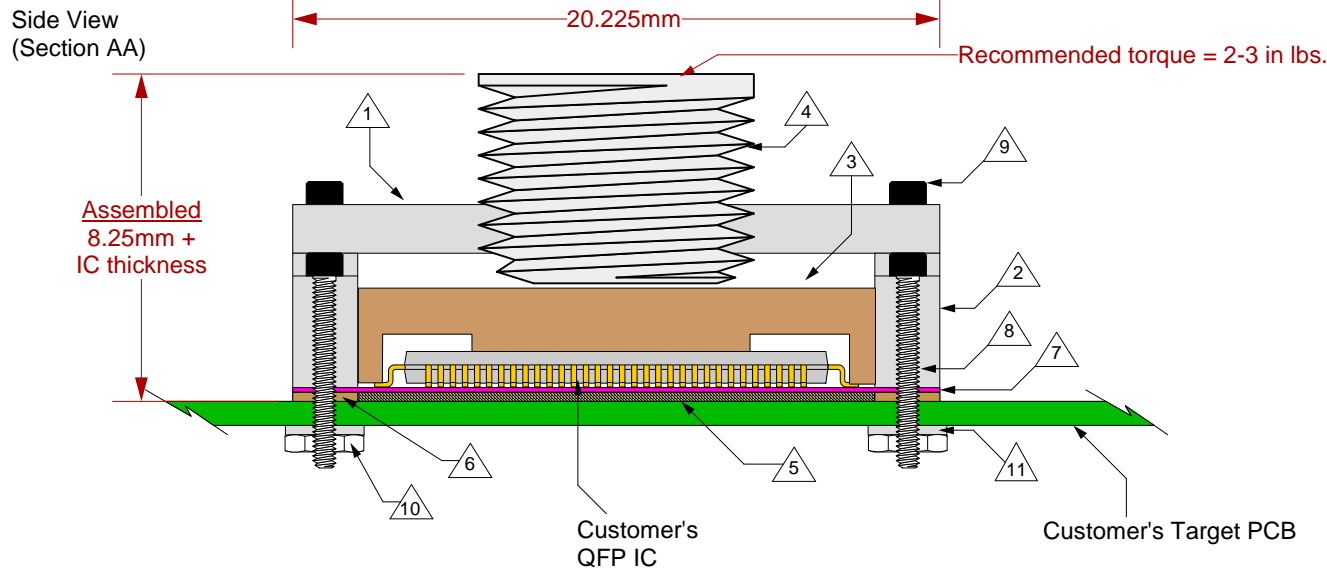
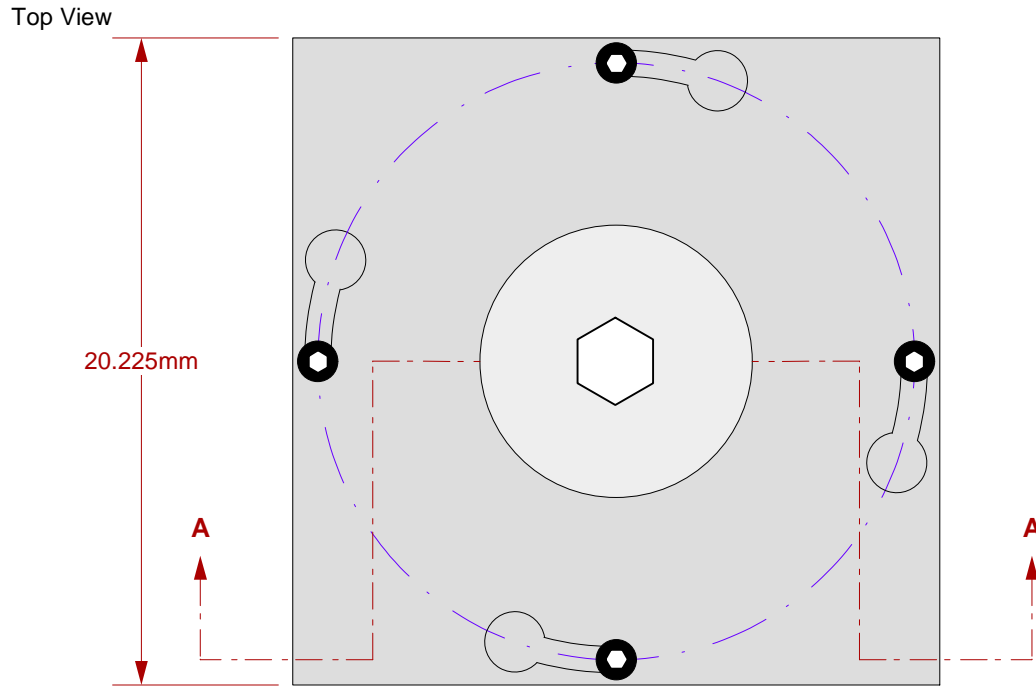



# GHz QFP64 Socket - Direct mount, solderless



## 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

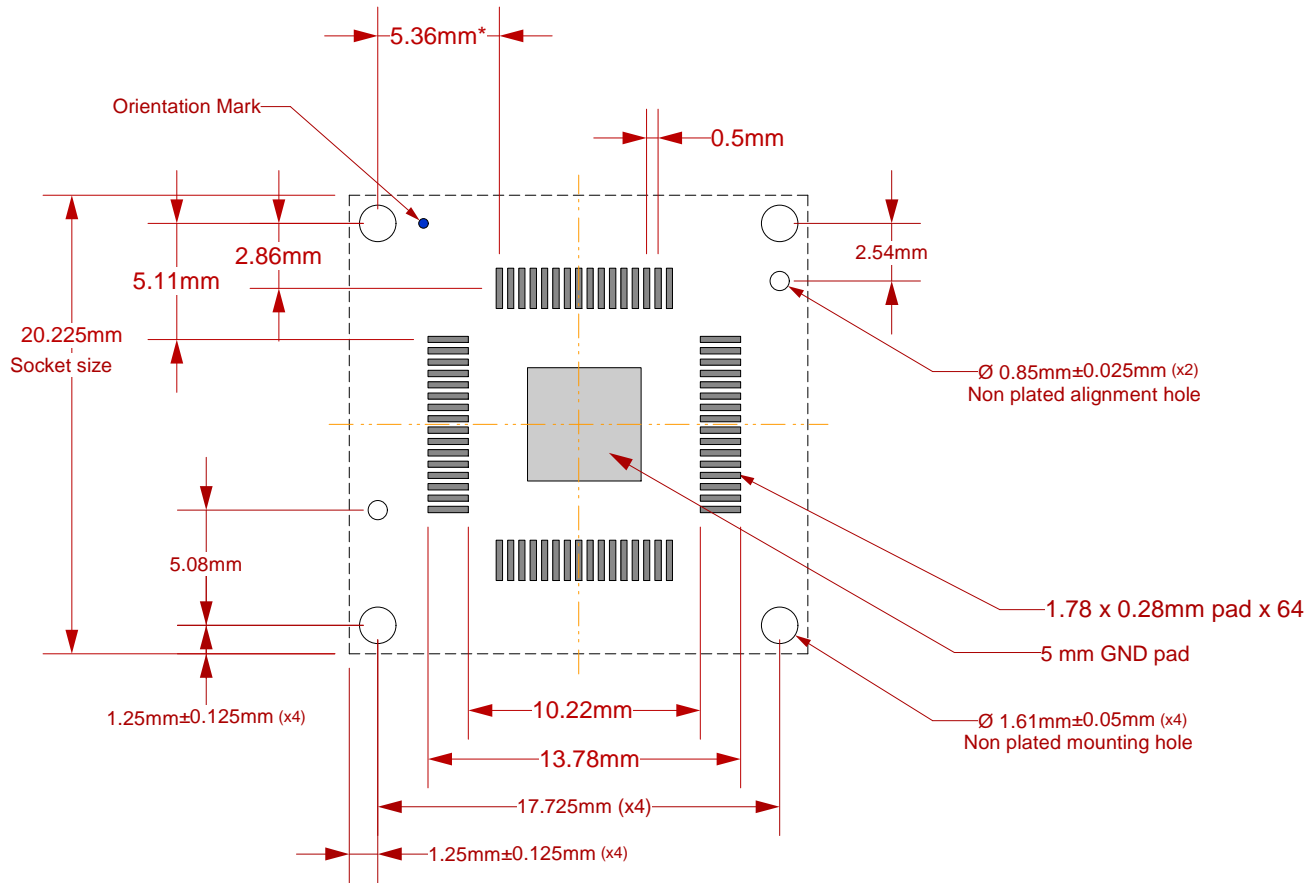
- △ 1 Socket Lid: Black anodized Aluminum. Thickness = 2.5mm.
- △ 2 Socket base: Black anodized Aluminum. Thickness = 5mm.
- △ 3 Compression Plate: Ultem 1000
- △ 4 Compression screw: Black anodized Aluminum. Thickness = 5mm, Hex socket = 5mm.
- △ 5 Elastomer: 20 micron dia gold plated brass filaments 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: Torlon
- △ 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 Socket base nut: 18-8 Stainless steel, 0-80 fine thread.
- △ 11 Nylon washer: 1.73mm ID; 4.78mm OD 0.64mm thickness.

	<b>SG-QFE-7001 Drawing</b>	Status: Released	Scale: -	Rev: C
	© 2007 IRONWOOD ELECTRONICS, INC. 11351 Rupp Dr. Ste 400 Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com	Drawing: J. Glab	Date: 04/20/07	
		File: SG-QFE-7001 Dwg	Modified: 02/13/15, DH	

All tolerances:  $\pm 0.125\text{mm}$  (unless stated otherwise). Materials and specifications are subject to change without notice.

Recommended PCB Layout  
Top View

**\*Note: QFP pattern is not symmetrical with respect to the mounting holes.**




Target PCB Recommendations

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

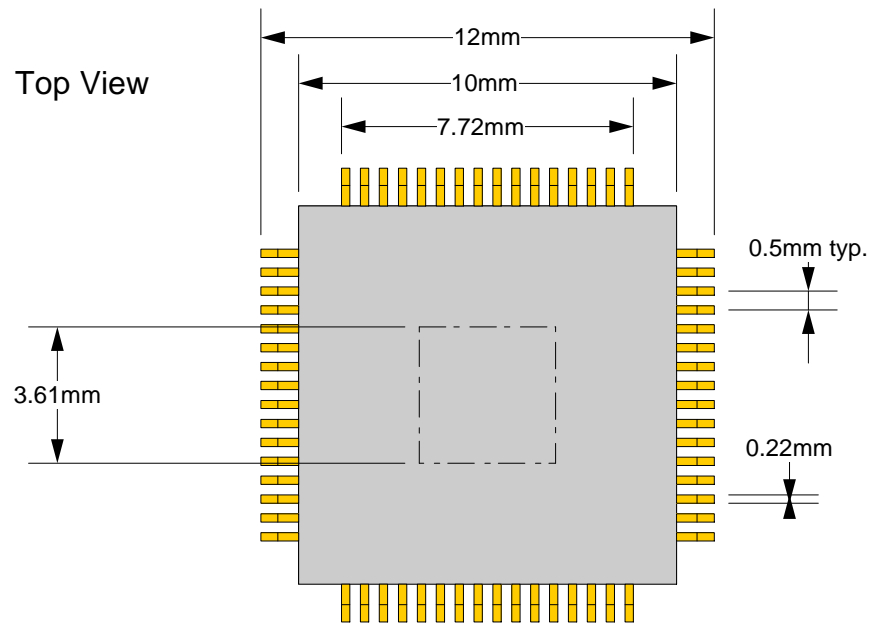
Recommended PCB Layout Tolerances:  $\pm 0.025\text{mm}$  [ $\pm 0.001''$ ] unless stated otherwise.

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

	<b>SG-QFE-7001 Drawing</b>	Status: Released	Scale: -	Rev: C
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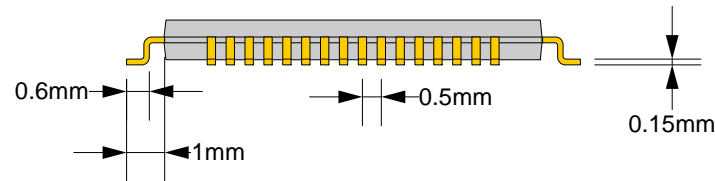
TOP VIEW  
(Reference Only)

QFE64SD Package code



Ironwood Package codes accommodated					
Pkg. Code	Pins	Pitch	Body Size	Tip to tip	foot length
QFE64SD	64	0.5mm	10mm x 10mm	12mm x 12mm	0.5mm

Side View



SG-QFE-7001 Drawing

Status: Released

Scale: -

Rev: C



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