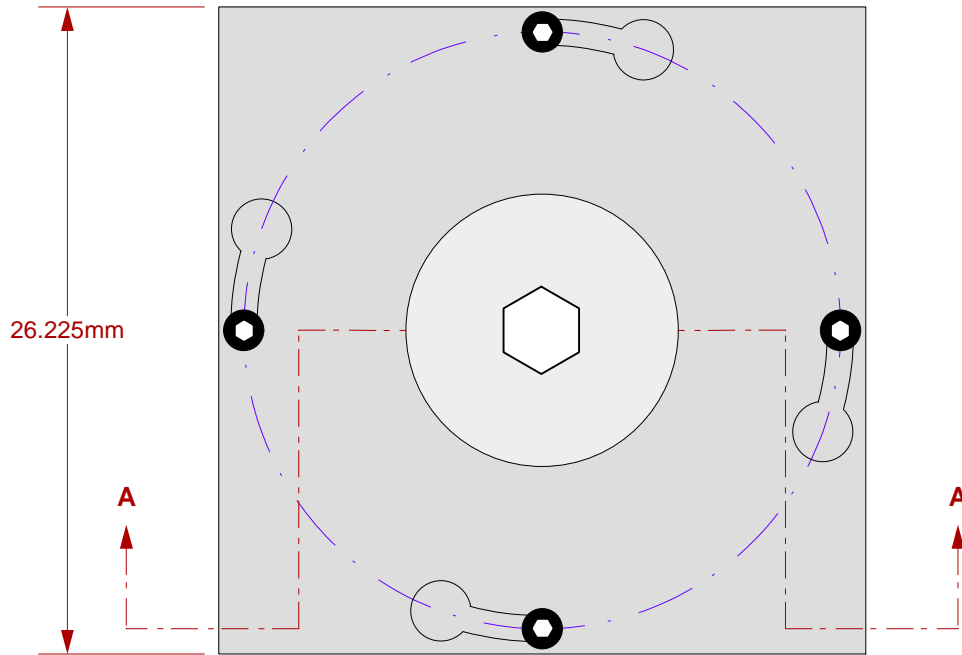


GHz QFP128 Socket - Direct mount, solderless

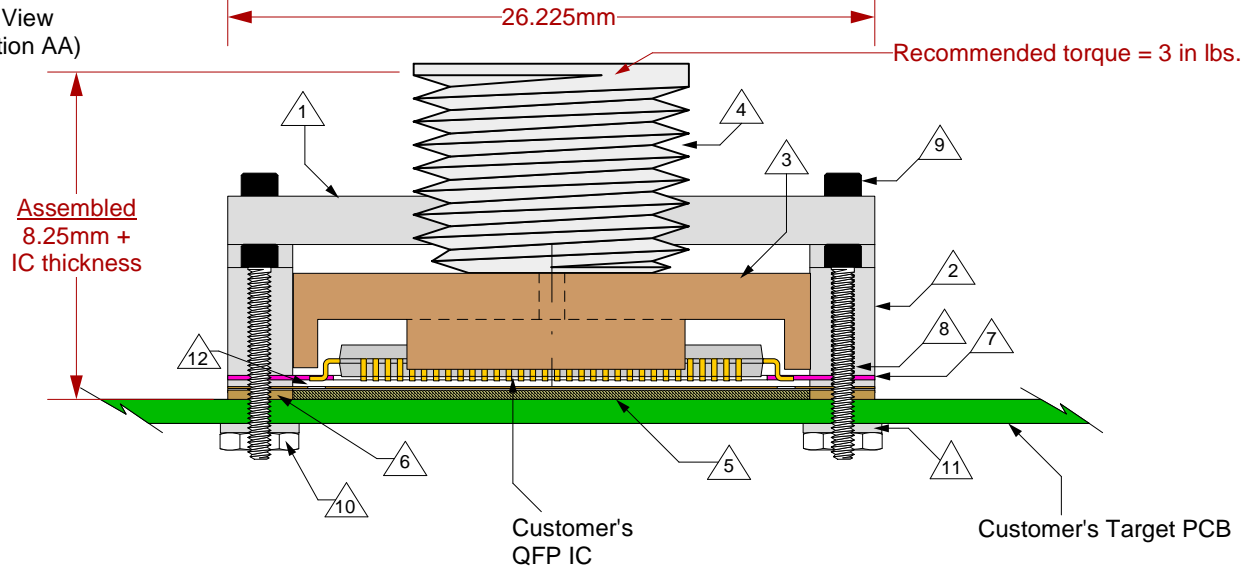
Features

- 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: 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: 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: Shoulder screw, 18-8 SS, 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-7011 Drawing

Status: Released

Scale: -

Rev: A

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Drawing: Ranjit Patil

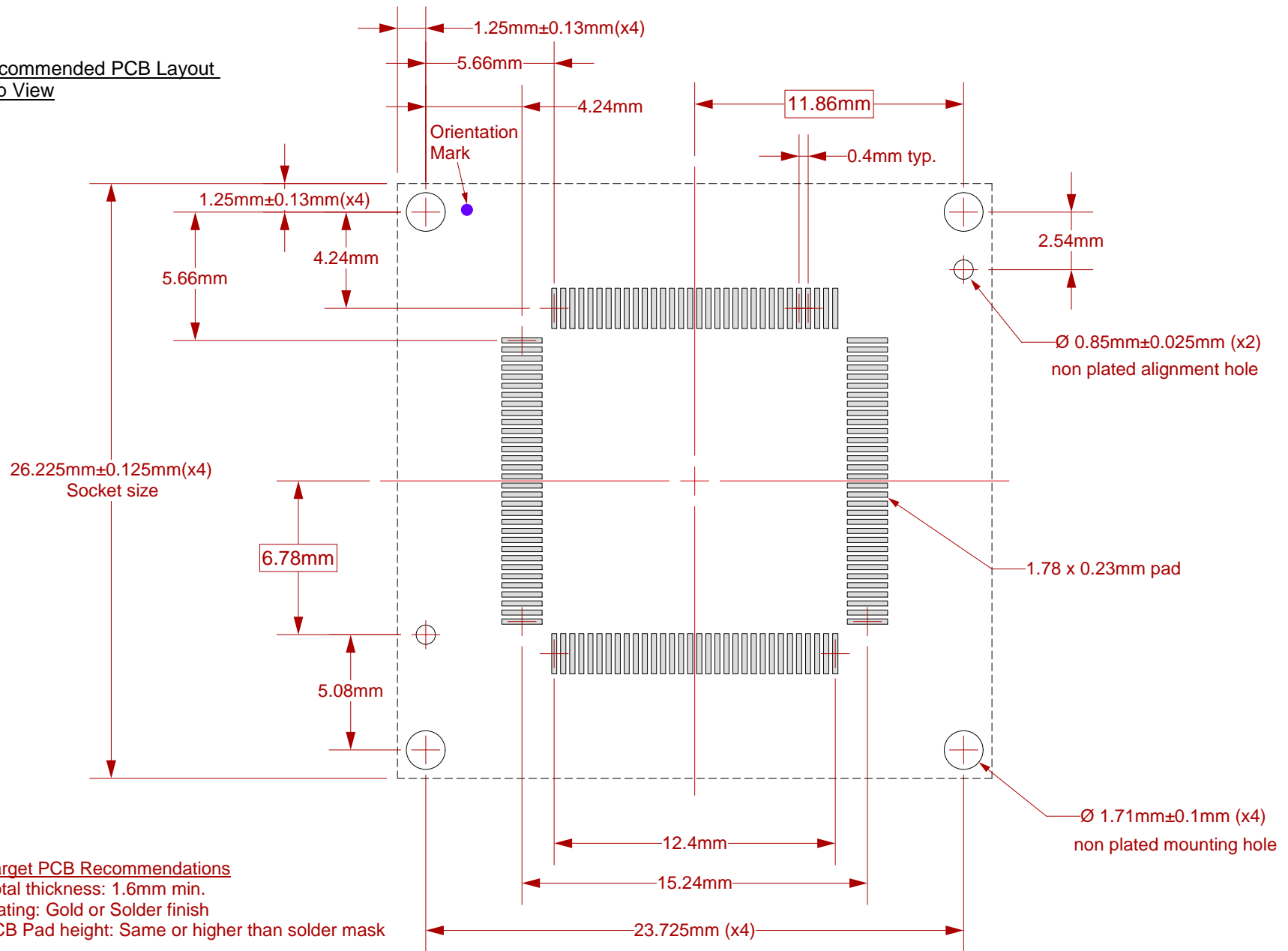
Date: 01/10/2012

File: SG-QFE-7011 Dwg

Modified:

All tolerances: $\pm 0.125\text{mm}$ (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

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

SG-QFE-7011 Drawing

Status: Released

Scale: 4:1

Rev: A



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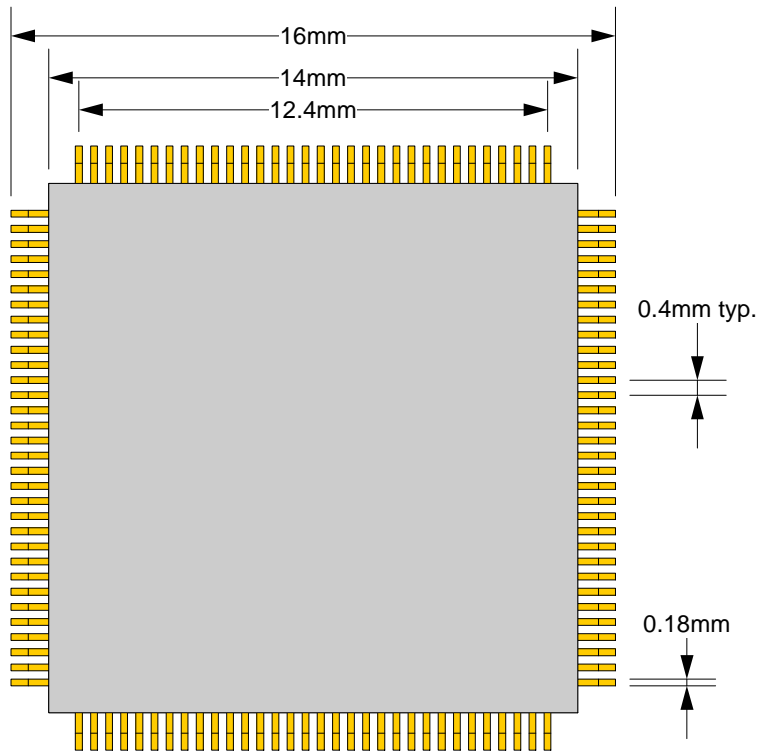
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Date: 01/10/2012

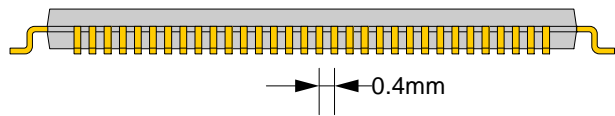
File: SG-QFE-7011 Dwg

Modified:

TOP VIEW
(Reference Only)




Top View



Side View

Ironwood Package codes accommodated					
Pkg. Code	Pins	Pitch	Body Size	Tip to tip	foot length
QFE128SD	128	0.4mm	14mm x 14mm	16mm x 16mm	0.6mm

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		Drawing: Ranjit Patil		Date: 01/10/2012
		File: SG-QFE-7011 Dwg		Modified: