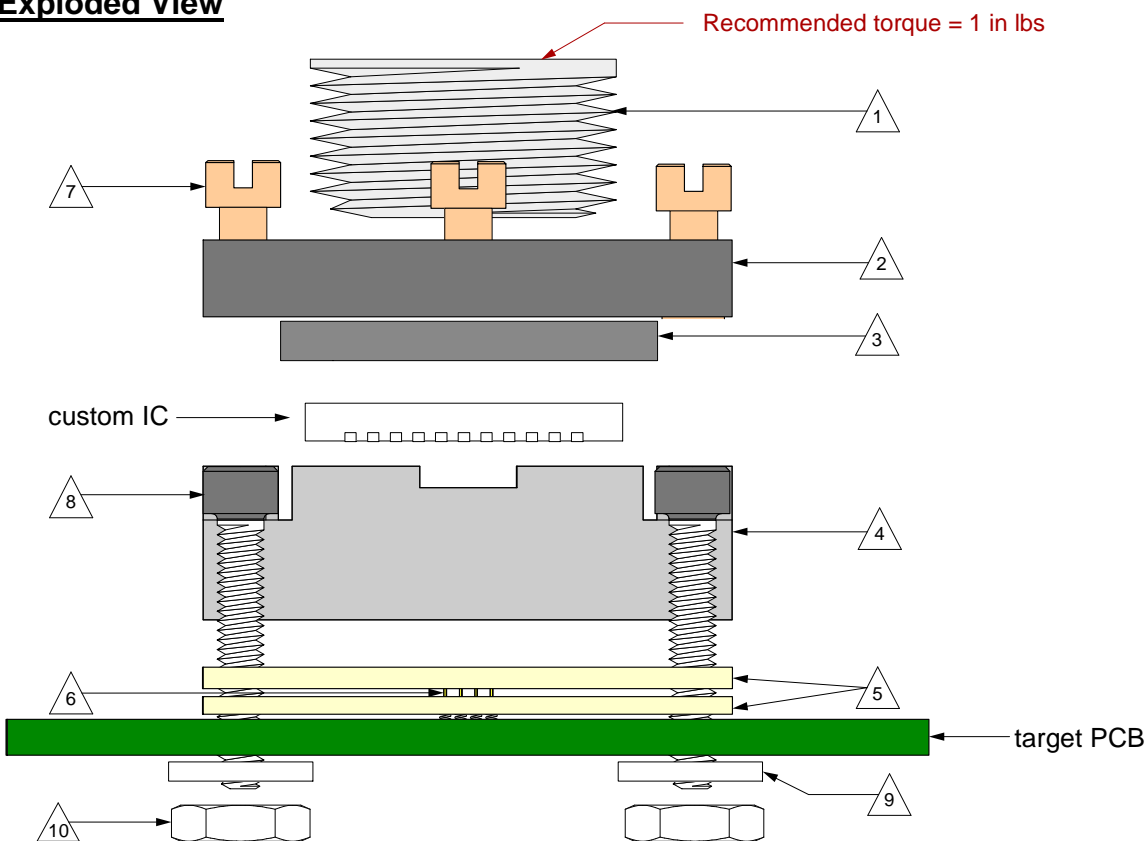


# QFN Socket - Direct mount, solderless


## Features

- Directly mounts to target PCB (needs tooling holes) with hardware.
- High speed, reliable SBT-Pin connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Easily removable swivel socket lid

## Exploded View

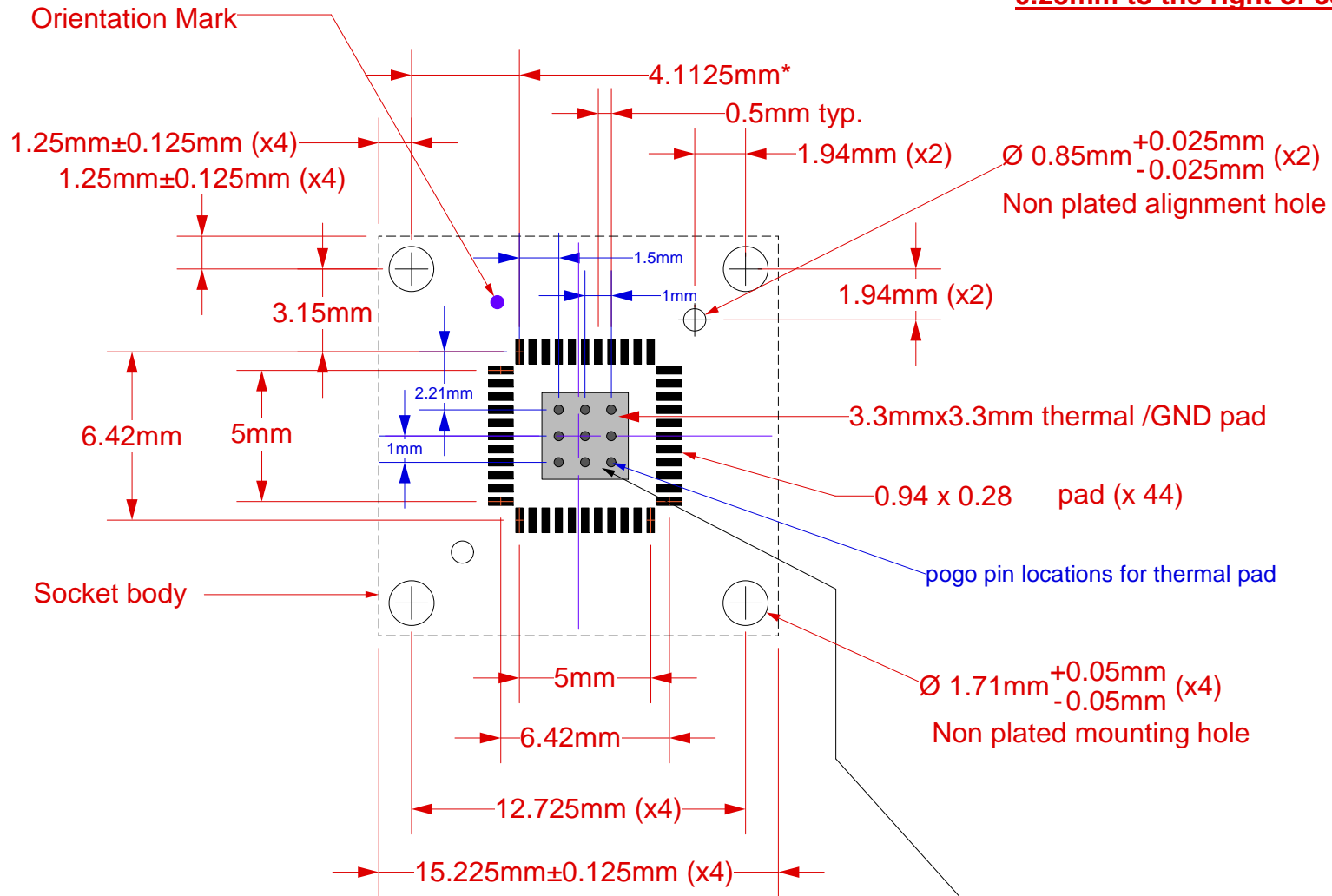


- 1 Compression screw: Clear hard anodized Aluminum. Thickness = 5mm, Hex socket = 5mm.
- 2 Socket Lid: Black hard anodized Aluminum. Thickness = 2.5mm.
- 3 Compression Plate: Black hard anodized Aluminum. Thickness = 1.5mm.
- 4 Socket base: Black hard anodized Aluminum. Thickness = 3mm.
- 5 Pin guides: Ceramic Filled Peek.
- 6 SBT-Pin Interconnect: BeCu, Au Plated contacts.
- 7 Socket lid screw: Shoulder Screw, 18-8 SS, 0-80 fine thread.
- 8 Socket base screw: Socket head cap, alloy steel with black oxide finish, 0-80 fine thread , 9.525mm long.
- 9 Nylon washer: 1.73mm ID; 4.78mm OD 0.64mm thickness.
- 10 Socket base nut: 18-8 Stainless steel, 0-80 fine thread.

	<b>SBT-QFN-4012 Drawing</b>	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: S. Faiz	Date: 11/17/2010		Modified:
		File: SBT-QFN-4012 Dwg.mcd			

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

**\*Note: MLF pattern is not symmetrical with respect to the mounting holes. It is offset 0.25mm to the right of center.**




MLF44B

\*\*\*\* To effectively conduct heat away from the package a thermal pad is recommended with vias spaced 1.0 to 1.2 mm pitch and a diameter of 0.3 to 0.33 mm. Ideally 1 via for every 3 leads has been shown to work well.

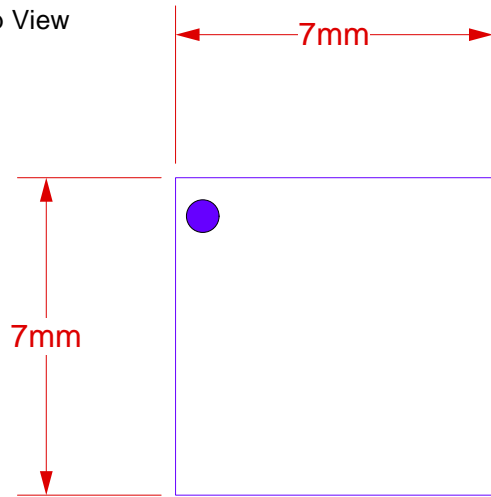
Recommended PCB Layout Tolerances:  $\pm 0.025\text{mm}$  [ $\pm 0.001''$ ] unless stated otherwise.

Target PCB Recommendations

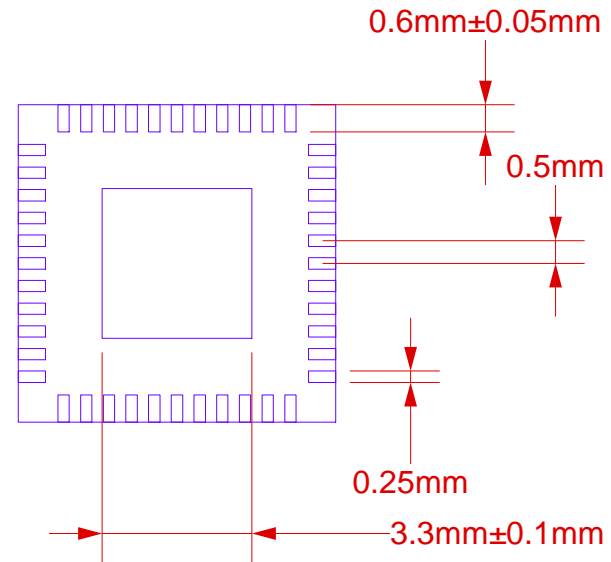
- Total thickness: 1.6mm min.
- Plating: Gold or Solder finish
- PCB Pad height: Same or higher than solder mask

	<b>SBT-QFN-4012 Drawing</b>	Status: Released	Scale: 4:1	Rev: A
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		File: SBT-QFN-4012 Dwg.mcd	Modified:	

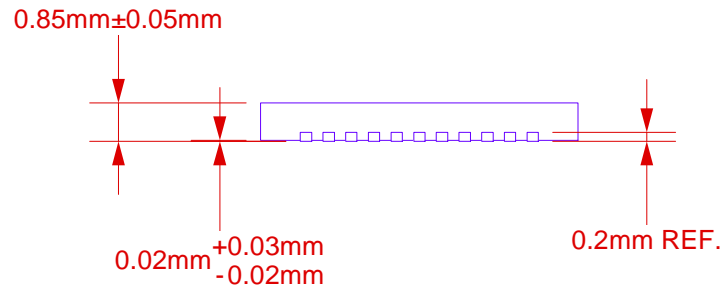
Top View



Bottom View



Side View



**SBT-QFN-4012 Drawing**

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Status: Released

Scale: 6:1

Rev: A

Drawing: S. Faiz

Date: 11/17/2010

File: SBT-QFN-4012 Dwg.mcd

Modified: