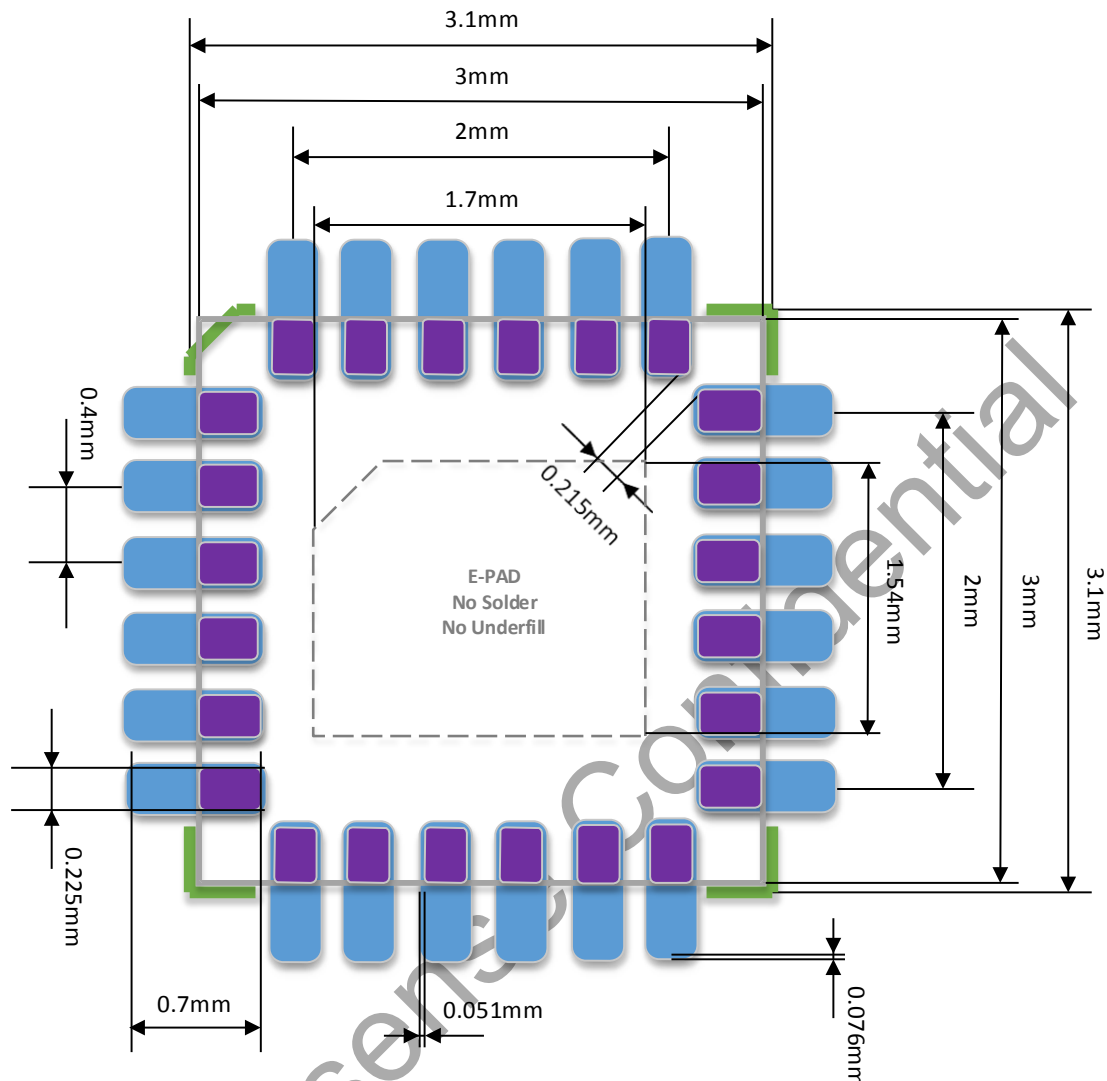


MPU-65xx/MPU-92xx/ICM-206xx QFN Footprint Recommendation

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Device Dimensions Supported By This Footprint:

MPU-65xx – 3mm x 3 mm x 0.9 mm

MPU-92xx – 3 mm x 3 mm x 1 mm

ICM-206xx – 3 mm x 3 mm x 0.75 mm

Component Leads: 0.3 mm x 0.2 mm

Silkscreen Outline Dimensions: 3.1 mm x 3.1 mm

Pin Pad Dimensions: 0.225 mm x 0.7 mm (oblong)

Solder Mask Dimensions: 0.33mm x 0.85mm

Notes:

The recommended PCB footprint for MPU-65xx/MPU-92xx/ICM-206xx was chosen large enough to offer *ease of use, provide reliable contact with the sensor package pin pads, support hand-solder, probing and debugging capabilities* for all 3 mm x 3 mm QFN packages (independent of height).

The individual **PCB land pattern shapes** for the QFN footprint in this design are **oblong** with ~8mil clearance between corner pad, which helps to avoid bridging in the corner areas during reflow soldering while maintaining a maximum connectivity area between package pin pad and QFN PCB footprint.

Solder mask (layer of protective coating for PCB's copper traces, which helps to prevent undesired solder bridges and shorts) dimensions have been included in this drawing, but are not usually given as part of the layout information as they are **dependent upon the manufacturing process and the clearance capabilities of the chosen fabrication house** (PCB vendor).

REVISION HISTORY

REVISION DATE	REVISION	DESCRIPTION
5/2/2014	1.0	Initial Release

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