

IMI, Inc. | 140 Hilldale Avenue, Haverhill, MA 01832 | P: 978.373.9190 | F: 978.521.1846 | www.imipcb.com

FABRICATION GUIDELINES

ANNULAR RING

Minimum Pad Diameter Finished Hole Diameter

(Inner Layer) + .020" Fabrication Tolerance

+ Minimum Annular Ring x 2

(Outer Layer) +.014" Fabrication Tolerance

+ Minimum Annular Ring x 2

THREMAL PAD - VCC/GND PLANE

Minimum Pad Diameter Finished Hole Diameter

+ .020" Fabrication Tolerance

CLEARANCE - VCC/GND PLANE

Clearance Around Through Hole Finished Hole Diameter

Hole With No Pad +.035" Fabrication Tolerance

Clearance Around Non-Plated Finished Hole Diameter

Through Hole + .015" Fabrication Tolerance

CLEARANCE - BETWEEN ANY NON-CONTACT LAND AREAS

Finish Sizes .005" Minimum

CLEARANCE - SOLDERMASK TO PADS

LPI Photoimagable Pad Diameter

+ .005" Fabrication Tolerance

Epoxy Mask Screened Pad Diameter

+ .008" Fabrication Tolerance

TOLERANCES

| Finished Line Width | .004" Minimum |
|------------------------------|---------------|
| Hole Location Accuracy | +/003" |
| Feature To Edge Accuracy | +/005" |
| NPTH Hole Diameter Tolerance | +/002" |
| PTH Hole Diameter Tolerance | +/003" |
| Finished Board Thickness | +/- 10% |

COPPER AREA (Finished Sizes)

| ½ oz. copper = Artwork001" etch factor | 1 oz. copper = Artwork002" etch factor |
|----------------------------------------|----------------------------------------|
| 2 oz. copper = Artwork004" etch factor | 3 oz. copper = Artwork008" etch factor |
| 4 oz. copper = Artwork010" etch factor | 5 oz. copper = Artwork012" etch factor |