

Fabrication Notes:

1. All dimensions in inches unless noted otherwise.
2. All materials: laminates, resins, metallizations and soldermask to be compliant with RoHS and WEEE directives.
3. Use 370 HR FR-4 or similar grade glass epoxy.
4. Tg > 145 degrees C, glass transition temperature.
5. TD > 350 degrees C, thermal decomposition.
6. Minimum flammibility rating UL94V-0, maximum dissipation factor 0.025.
7. Adjust prepreg for 0.032 , +/- 0.003 finished thickness measured over soldermask.
8. Copper thickness 0.0014 , (1 oz).
9. Hole size tolerance = +/- 0.003 unless noted otherwise.
10. Hole centers and pad centers to be concentric within 0.002 .
11. Drill chart dimensions are finished hole sizes.
12. Finish - immersion gold over nickel. No exposed bare copper permitted.
13. Solder mask over bare copper, LPI clas 2 gen. industrial registration +/- 0.004.
14. No coverage on solder pads permitted.
15. Refer to soldermask gerbers for tenting of vias.
16. White silkscreen legend over green soldermask - both sides.
17. Manufacturer icons not permitted on the silkscreen top layer.
18. PCB serialization/panel placement ID on silkscreen bottom.
19. Full electrical test against IPC-356A netlist.

| Layer | Name | Material | Thickness | Constant | Board Layer Stack |
|-------|----------------|---------------|-----------|----------|-------------------|
| 1 | Top Overlay | | | | |
| 2 | Top Solder | Solder Resist | 0,010mm | 3,5 | |
| 3 | Top Layer | Copper | 0,036mm | | |
| 4 | Dielectric 1 | FR-4 | 0,908mm | 4,48 | |
| 5 | Bottom Layer | Copper | 0,036mm | | |
| 6 | Bottom Solder | Solder Resist | 0,010mm | 3,5 | |
| 7 | Bottom Overlay | | | | |

| Symbol | Count | Hole Size | Plated | Hole Type | Drill Layer Pair | Pad Shape |
|--------|-----------|-----------|--------|-----------|--------------------------|-----------|
| □ | 490 | 0,250mm | PTH | Round | Top Layer - Bottom Layer | Rounded |
| ○ | 3 | 0,750mm | PTH | Round | Top Layer - Bottom Layer | Rounded |
| ☆ | 2 | 1,000mm | PTH | Round | Top Layer - Bottom Layer | Rounded |
| | 495 Total | | | | | |

