



Q25101-PCB_revA.PcbDoc Drill Drawing

FABRICATION NOTES:

- 1. MATERIAL SELECTION AND COPPER WEIGHT: SEE Q25101-revA_STACKUP.PDF
MINIMUM CTI RATING OF 175, 0.062 +/- 0.005 THICK. MATERIAL PER IPC-4101
SOLDERABLE SURFACES TO BE ENIG (ELECTROLESS NICKEL IMMERSION GOLD) FINISH.
- 2. SOLDER RESIST: THE USE OF SOLDER RESIST COATING SHALL BE IN
ACCORDANCE WITH THE REQUIREMENTS OF IPC-SM-840. ALL SOLDERABLE
SURFACES ARE TO BE FREE OF SOLDER RESIST. COLOR - GREEN.
USE LIQUID PHOTOIMAGEABLE RESIST. MATTE FINISH.
- 3. SILKSCREEN: USE WHITE NON-CONDUCTIVE INK. ALL COMPONENT AND
TESTPOINT LANDS ARE TO BE FREE OF INK.
PLACE UL 94V-0 RATING ON SOLDER SIDE IN SILKSCREEN ONLY.
- 4. MANUFACTURER'S IDENTIFICATION: ADD IN ETCH OR TO SILKSCREEN.
- 5. ELECTRICAL BARE BOARD TEST REQUIRED.
- 6. DRILL SIZES ARE FINISHED SIZES AFTER PLATING.
- 7. FABRICATE TO MEET EU RoHS DIRECTIVE.
- 8. PCB MUST HAVE UL 94V-0 AND CTI RATING MARKED ON ONE SIDE.
- 9. MAX WARP AND TWIST NOT TO EXCEED 0.010 PER LINEAR INCH.
- 10. MIN ANNULAR RING: 0.003. MIN PLATED HOLE WALL THICKNESS 0.001.
- 11. DIMENSIONAL TOL: XX +/- 0.010. XXX +/- 0.005.
- 12. FABRICATE IN ACCORDANCE WITH IPC-600 OR IPC-6012 LATEST REVISION. CLASS 2.
- 13. COPPER THEIVING OF THE SIGNAL LAYERS IS NOT ALLOWED.
- 14. PCB FABRICATOR IS ALLOWED TO ADJUST PARAMETERS TO ACHIEVE REQUIRED TRACE IMPEDANCE +/-10%.
- 15. BOARD THICKNESS, COPPER WEIGHT AND IMPEDANCE REQUIREMENTS: SEE Q25099-002_STACKUP.PDF
- 16. VIPPO TECHNOLOGY REQUIRED - ALL VIAS TO BE TYPE VII NON-CONDUCTIVE EPOXY FILLED AND PLATED OVER.

Symbol	Count	Hole Size	Plated	Hole Tolerance (+)	Hole Tolerance (-)
⊗	109	8.00mil (0.203mm)	PTH	3.00mil (0.076mm)	8.00mil (0.203mm)
◇	585	10.00mil (0.254mm)	PTH	3.00mil (0.076mm)	10.00mil (0.254mm)
⊠	2802	12.00mil (0.305mm)	PTH		
○	94	12.00mil (0.305mm)	PTH	3.00mil (0.076mm)	12.00mil (0.305mm)
⊕	9	39.00mil (0.991mm)	NPTH	3.00mil (0.076mm)	3.00mil (0.076mm)
▽	20	40.00mil (1.016mm)	PTH	3.00mil (0.076mm)	3.00mil (0.076mm)
□	222	58.00mil (1.473mm)	PTH		
⊗	68	60.00mil (1.524mm)	PTH		
⊗	12	93.00mil (2.362mm)	NPTH	3.00mil (0.076mm)	3.00mil (0.076mm)
⊙	4	149.61mil (3.800mm)	NPTH		
▽	10	196.85mil (5.000mm)	PTH	3.00mil (0.076mm)	12.00mil (0.305mm)
3935 Total					