

NOTES: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN METRIC

1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M.

~~GERBER FILES CONTAIN BOARD OUTLINE FOR ALIGNMENT PURPOSES.~~
~~PLEASE DO NOT FABRICATE TO THIS OUTLINE.~~3. FABRICATE PCB PER IPC-6012, LATEST REVISION, TYPE 3, CLASS 2.
THE DETAILED NOTES AND INSTRUCTIONS ON THIS DRAWING SUPERCEDE IPC REQUIREMENTS.
BARE BOARD ACCEPTANCE PER IPC-6001, LATEST REVISION.
EXPOSED COPPER ALONG BOARD EDGE IS ACCEPTABLE, POST PANEL ROUTING PROCESS.4. TRACE WIDTH/SPACE/VIA:
TRACE WIDTHS/SPACING TO BE WITHIN $\pm 20\%$ OF GERBER DATA.
MINIMUM TRACE WIDTH: OUTER LAYERS: 0.127mm $\pm 10\%$.
INNER LAYERS: NA
MINIMUM AIR GAP: OUTER LAYERS: 0.1016
INNER LAYERS: NA
MINIMUM VIA PAD DIAMETER: 0.20mm5. MATERIAL:
NUMBER OF ELECTRICAL LAYERS IS 4.
MATERIALS AND OVERALL THICKNESS SEE STACKUP DETAIL.
LOAD BOARD AND PREPREG PER IPC-4101. COPPER FOIL PER IPC-MF-150.
MATERIAL'S GLASS TRANSITION TEMPERATURE (T_g) SHALL BE A MINIMUM OF 170° CENTIGRADE.
MATERIAL MUST MEET UL796 WITH A FLAMMABILITY RATING OF 94V-0
VENDOR UL LOGO AND DATE CODE TO BE SCREENED ON THE BOTTOM SIDE. IF NO BOTTOM SILKSCREEN PROVIDED VENDOR MAY ADD BOTTOM SILKSCREEN.

6. TOLERANCES:

6A. LAYER TO LAYER REGISTRATION WITHIN .076mm.
6B. ALL HOLES TO BE LOCATED WITHIN .076mm OF ORIGINAL CAD DATA.
6C. ALL HOLES SURROUNDED BY COPPER SHALL HAVE A MINIMUM ANNULAR RING OF .076mm.
6D. ALL PLATED THROUGH HOLES TO HAVE A MINIMUM .025mm OF PLATING.
6E. HOLE DIMENSIONS AND TOLERANCES APPLY AFTER PLATING, SEE DRILL HOLE CHART.
6F. WARP AND TWIST NOT TO EXCEED .254 MM/MM.

7. PLATING OPTIONS: USE 7A

7A. 1Ag - IMMERSION SILVER 6-20 MICROINCHES MINIMUM PER IPC-4553.

~~0.10 0.25 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00 1.25 1.50 1.75 2.00 2.25 2.50 2.75 3.00 3.25 3.50 3.75 4.00 4.25 4.50 4.75 5.00 5.25 5.50 5.75 6.00 6.25 6.50 6.75 7.00 7.25 7.50 7.75 8.00 8.25 8.50 8.75 9.00 9.25 9.50 9.75 10.00 10.25 10.50 10.75 11.00 11.25 11.50 11.75 12.00 12.25 12.50 12.75 13.00 13.25 13.50 13.75 14.00 14.25 14.50 14.75 15.00 15.25 15.50 15.75 16.00 16.25 16.50 16.75 17.00 17.25 17.50 17.75 18.00 18.25 18.50 18.75 19.00 19.25 19.50 19.75 20.00 20.25 20.50 20.75 21.00 21.25 21.50 21.75 22.00 22.25 22.50 22.75 23.00 23.25 23.50 23.75 24.00 24.25 24.50 24.75 25.00 25.25 25.50 25.75 26.00 26.25 26.50 26.75 27.00 27.25 27.50 27.75 28.00 28.25 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 32.00 32.25 32.50 32.75 33.00 33.25 33.50 33.75 34.00 34.25 34.50 34.75 35.00 35.25 35.50 35.75 36.00 36.25 36.50 36.75 37.00 37.25 37.50 37.75 38.00 38.25 38.50 38.75 39.00 39.25 39.50 39.75 40.00 40.25 40.50 40.75 41.00 41.25 41.50 41.75 42.00 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