NOTES (UNLESS OTHERWISE SPECIFIED):

GENERAL

- 1) PCB IS 12-LAYER, .062" THICK.
- 2) CONSTRUCTION IS SOLDER-MASK-OVER-BARE-COPPER (SMOBC).
- 3) ACCEPTABILITY SHALL BE BASED ON PC-A-600, CLASS 2.
 4) THE FOLLOWING GERBER RS274X PHOTO TOOL FLES SHALL BE USED TO DEFINE ALL CIRCUIT FEATURES: *.GTL - TOP LAYER GERBER DATA
- *.GP1 INTERNAL PLANE LAYER 1 GERBER DATA
- *.G1 MID LAYER 1 GERBER DATA
- *.GP2 INTERNAL PLANE LAYER 2 GERBER DATA
- *.GP3 INTERNAL PLANE LAYER 3 GERBER DATA
- *.GP4- INTERNAL PLANE LAYER 4 GERBER DATA
- *.GP5- INTERNAL PLANE LAYER 5 GERBER DATA
- *.GP6- INTERNAL PLANE LAYER 6 GERBER DATA *.GP7- INTERNAL PLANE LAYER 7 GERBER DATA
- *.GP8- INTERNAL PLANE LAYER 8 GERBER DATA
- *.GP9- INTERNAL PLANE LAYER 9 GERBER DATA
- *.GBL BOTTOM LAYER GERBER DATA
- *GTO TOP OVERLAY GERRER DATA *GBO -- BOTTOM OVERLAY GERBER DATA
- *.GTP TOP-SIDE SOLDER PASTE MASK
- *.GBP BOTTOM-SDE SOLDER PASTE MASK
- *GTS TOP SOLDER MASK GERBER DATA
- *.GBS BOTTOM SOLDER MASK GERBER DATA
- THE PHOTO TOOL SHALL NOT BE COMPENSATED WITHOUT PRIOR ENGINEERING APPROVAL PCB DESIGNER: RICH LOBDILL PH (805) 880-1621 FAX (805) 961-1792.

- 6) END PRODUCT CONDUCTOR WIDTHS AND PAD DIAMETERS SHALL NOT VARY MORE THAN
- 0.002" FROM THE 1:1 DIMENSIONS OF THE MASTER ARTWORK.

 7) THE CONDUCTIVE PATTERN SHALL BE POSITIONED SO THAT THE LOCATION OF ANY PAD OR , the compacting failing shall be roughly be provided by that the position of the hole it organisorbes.

 8.1) DRL TOLERANCES F/~ 0.002*

 8.2) ALL DRL HOLE SIZES AND TOLERANCES APPLY AFTER PLATING.
- 9) THE MINMUM ANNULAR RING SHALL BE 0.005".
- 10) BOW AND TWIST SHALL NOT EXCEED 0.010" PER INCH.
- 11) FOR PCB ROUTING DIMENSIONS: .XXX = +/-.005" .XX = +/-.020"

MATERIAL

- 12) BASE MATERIAL IS FR4 EPOXY FIBERGLASS
 13) SEE STACK-UP LEGEND FOR COPPER CLADDING CALL OUTS

PLATING

- 14) ALL HOLES AND CONDUCTIVE SURFACES SHALL BE PLATED WITH A MINNUM OF 0.001" COPPER. 15) AFTER SOLDERMASK, ALL DEPOSED HOLES AND CONDUCTIVE SURFACES SHALL BE COATED WITH A GOLD MINDESON PLATING TO PRESERVE SOLDERMABLITY.

COATINGS

- 16) THE SOLDERMASK SHALL BE BLACK LIQUID PHOTO-MAGEABLE PER PC-SM-840, TYPE-B, CLASS 2. 17) THE SOLDERMASK REGISTRATION ALLOWANCE IS 0.003°. THERE SHALL BE NO SOLDERMASK ON
- ANY SOLDER PAD OR LAND.

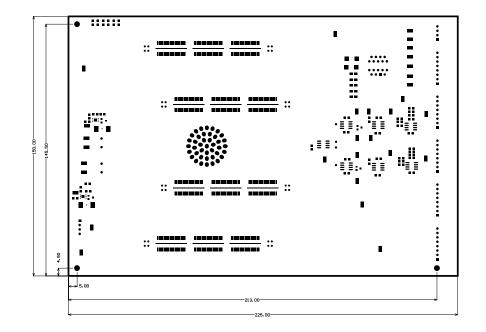
MARKING

- 18) THE LEGEND SHALL BE SCREEN-PRINTED USING PERMANENT YELLOW EPOXY INK.
- 19) THE SCREEN PRINTING REGISTRATION ALLOWANCE IS 0.007". THERE SHALL BE NO NK ON ANY
- 20) THE VENDOR CODE AND UL FLAMMABILITY RATING MAY BE ETCHED IN THE FOIL OR MARKED IN PERMANENT EPOXY INK (VENDOR'S OPTION).

ELECTRICAL TESTING

21) ALL BOARDS SHALL BE ELECTRICALLY TESTED TO THE SUPPLIED IPC-D-356A NET LIST FOR CONTINUITY, OPENS AND SHORTS.

Layer Name	Copper cladding
Top Layer (*.GTL)	1/2 oz. (1 oz. Finished)
AGND (*.GP1)	1/2 oz
Mid-Layer 1 (*.G1)	1/2 oz
GND (*.GP2)	1/2 oz
+12U (*.GP3)	1/2 oz
-12U (*.GP4)	1/2 oz
+5ANA (*.GP5)	1/2 oz
-5ANA (*.GP6)	1/2 oz
+28U (*.GP7)	1/2 oz
UCC (*.GP8)	1/2 oz
+24U (*.GP9)	1/2 oz
Bottom Layer (*.GBL)	→ 1/2 oz. (1 oz. Finished)



PRIMARY PCB SPECIFICATIONS (REFER TO COMPLETE SPEC LISTING AT LEFT FOR FURTHER DETAILS) NUMBER OF LAYERS -12 .062" FINISHED THICKNESS

BASE MATERIAL FR4 GOLD IMMERSION PLATING TYPE

SOLDER MASK COLOR -BLACK

