

CLASS II FABRICATION NOTES: (UNLESS OTHERWISE SPECIFIED)

1. BOARDS SHALL BE 100% NET LIST TESTED FOR OPENS AND SHORTS PER PROVIDED IPC-D-356 NETLIST.
2. THIS BOARD SHALL BE MANUFACTURED IN ACCORDANCE WITH IPC-6012A CLASS II SPECIFICATIONS AND MEET IPC-600 CLASS II ACCEPTABILITY STANDARDS.
3. MATERIAL:

a. FR4 PER IPC 4101B/24, /26, OR /28.

b. SIGNAL LAYERS TO BE 2 OZ. COPPER.

c. PLANE LAYERS TO BE 2 OZ. COPPER.

d. OVERALL THICKNESS TO BE 0.062" +/- 10%
4. LEGEND:

a. WHITE NON-CONDUCTIVE EPOXY INK BOTH SIDES.
5. SOLDERMASK:

a. APPLY LIQUID PHOTO-IMAGABLE (LPI), SOLDER MASK OVER BARE COPPER PER IPC-SM-840 CLASS H, COLOR RED, BOTH SIDES.
6. PLATING FINISH:

a. HOT AIR SOLDER LEVELING (HASL) SN63A SnPb SOLDER.

~~b. IMMERSION SILVER TAG.~~
7. PROCESS ALLOWANCES:

a. MAXIMUM BOW AND TWIST ACROSS DIAGONAL CORNERS OF THE BOARD SHALL NOT EXCEED 0.75%

b. HOLE DIMENSIONS APPLY AFTER PLATING.

c. ALL HOLES SHALL BE LOCATED WITHIN 0.003" DIAMETER OF TRUE POSITION

d. LAYER TO LAYER REGISTRATION SHALL BE WITHIN 0.003"

e. CONDUCTOR WIDTHS AND SPACING SHALL BE WITHIN +/- 0.002".

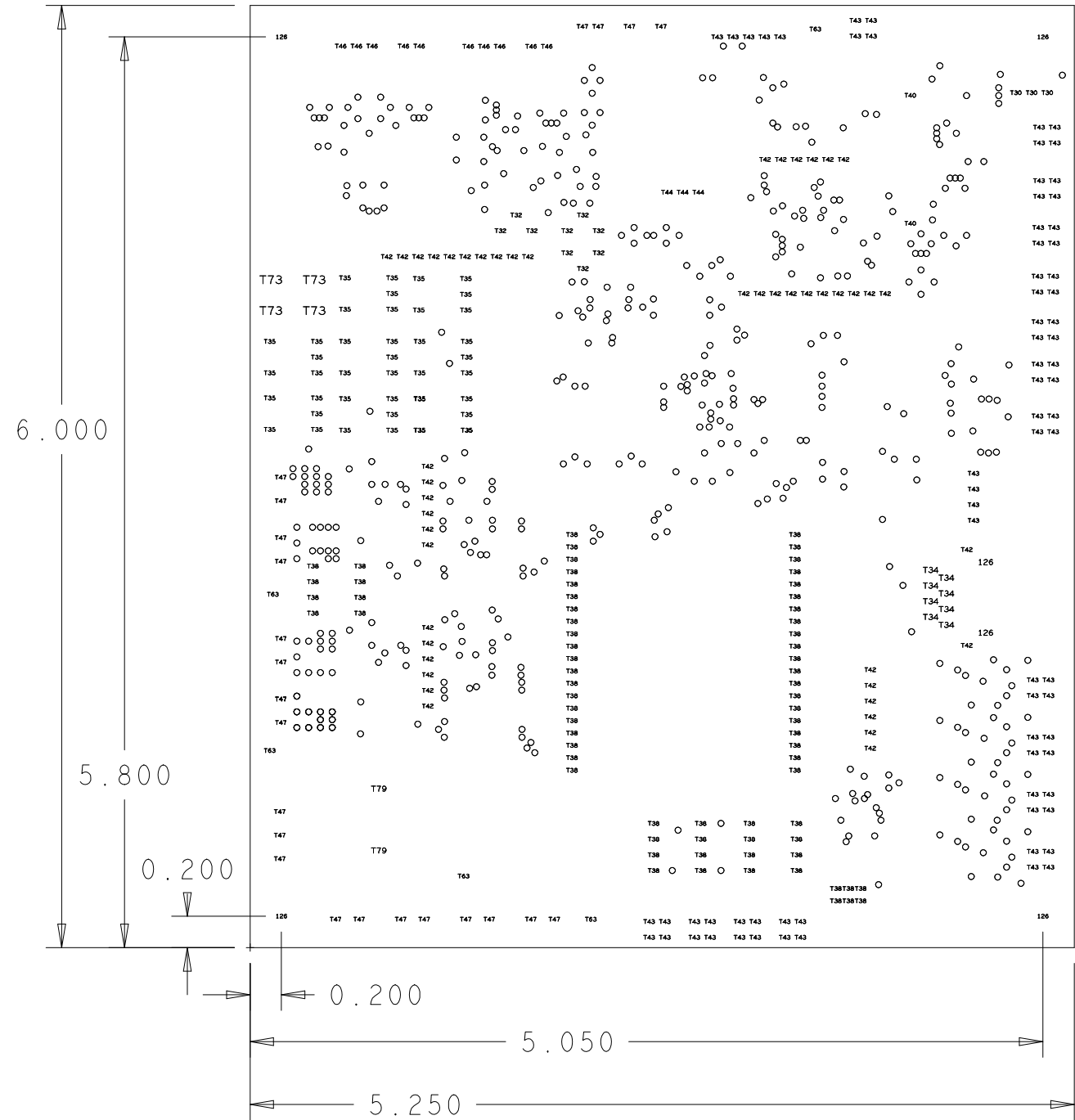
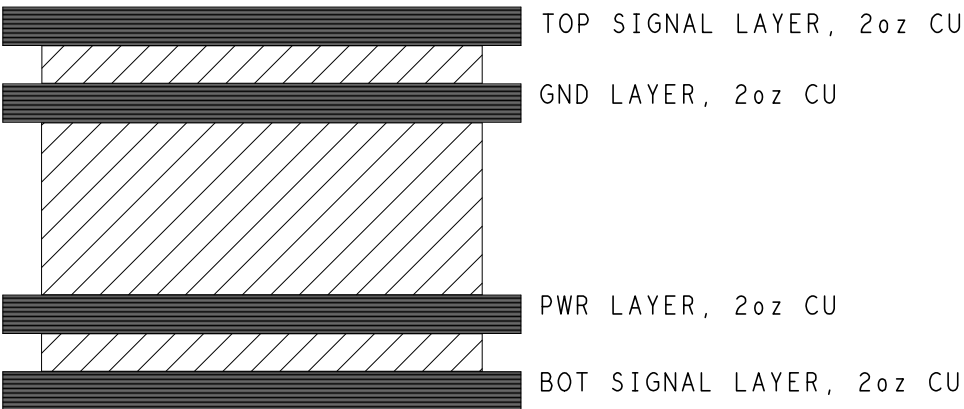
f. REMOVE ALL BURRS AND BREAK SHARP EDGES 0/015" MAX.

g. CUT OUTSIDE OF 0.001" BOARD OUTLINE.

PRE-PREG (0.0094")

CORE

PRE-PREG (0.0094")



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
○	10.0	PLATED	504
T30	30.0	PLATED	3
T32	32.0	PLATED	9
T34	34.0	PLATED	8
T35	35.0	PLATED	40
T38	38.0	PLATED	70
T40	40.0	PLATED	2
T42	42.0	PLATED	46
T43	43.0	PLATED	73
T44	44.0	PLATED	3
T46	46.0	PLATED	10
T47	47.0	PLATED	23
T63	63.0	PLATED	5
T73	73.0	PLATED	4
T79	79.0	PLATED	2
T98	126.0	PLATED	4
T20	126.0	PLATED	2

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	CN MEDIUM VOLTAGE BOARD		
			MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA		
	DESIGNED BY: CHAD KEYC		SIZE C	REVISION B	DWG NO 10020994
	LAYOUT BY: JOSE ROSAL		SCALE 1 - 1		SHEET 1 - 1