

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 1 OZ. COPPER.

d. OVERALL THICKNESS TO BE 0.062" +/- 0.007"
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 GREEN, BOTH SIDES.
6. PLATING FINISH:

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

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

a. MAXIMUM BOW AND TWIST SHALL NOT EXCEED .007" PER INCH

b. HOLE DIMENSIONS APPLY AFTER PLATING.

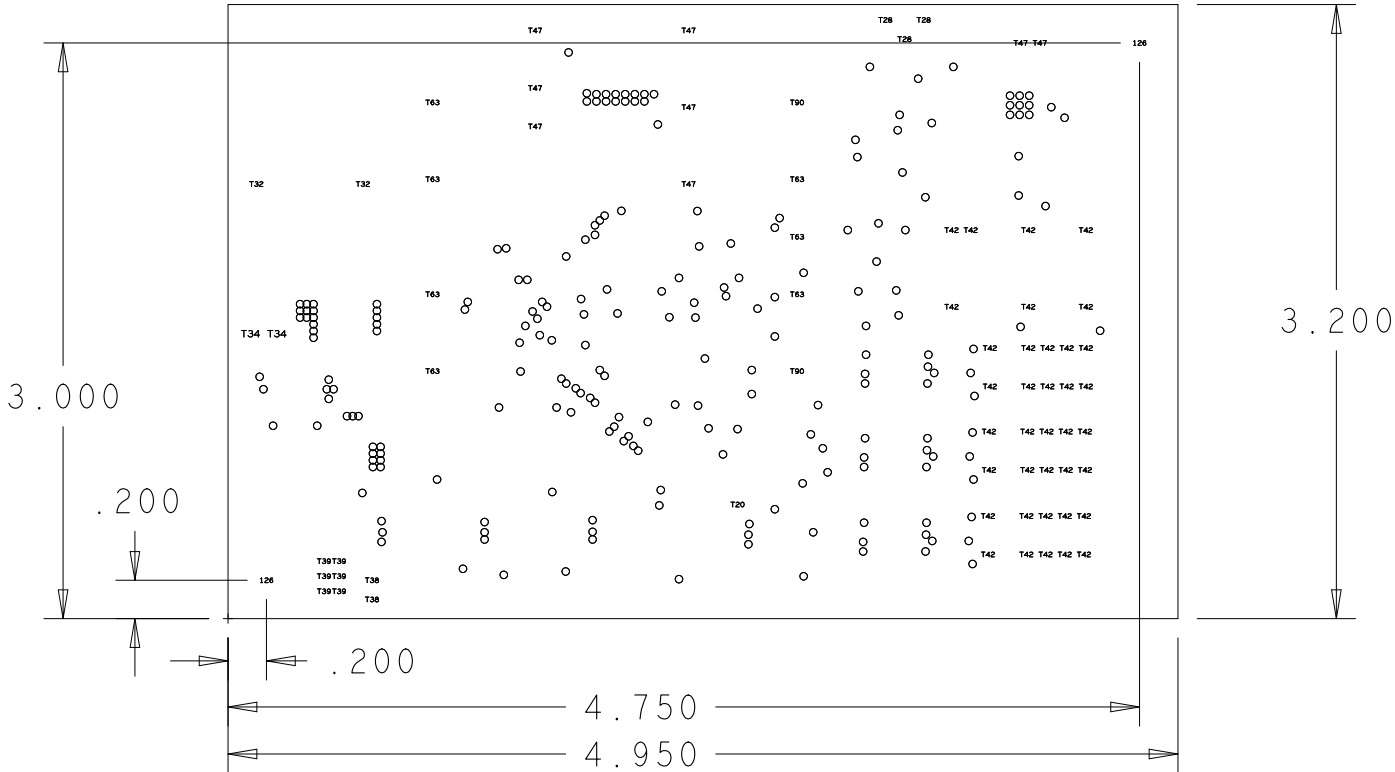
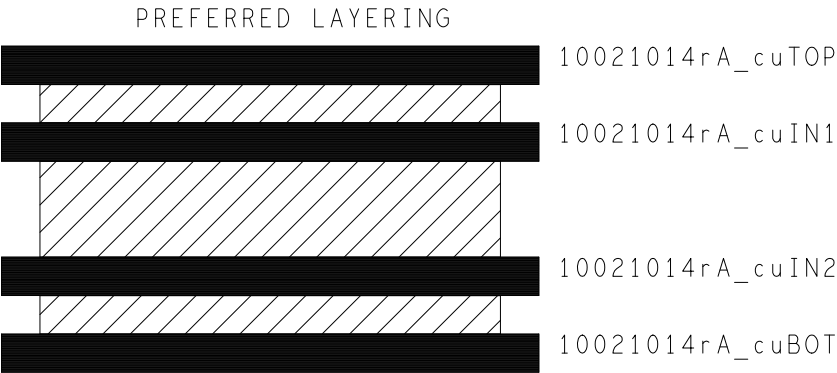
c. ALL HOLES SHALL BE LOCATED WITHIN 0.003" DIAMETER OF TRUE POSITION.

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.



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
○	10.0	PLATED	217
T20	20.0	PLATED	1
T28	28.0	PLATED	3
T32	32.0	PLATED	2
T34	34.0	PLATED	2
T38	38.0	PLATED	2
T39	39.0	PLATED	6
T42	42.0	PLATED	37
T47	47.0	PLATED	8
-	50.0	PLATED	18
T63	63.0	PLATED	7
T90	90.0	PLATED	2
T26	126.0	PLATED	2

VISIBLE LAYERS

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	swFOCE SENSOR NODE			
DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PL DECIMALS +/- 0.02" 3 PL DECIMALS +/- 0.005" ANGLES +/- 1 Degree FRACTIONS ,			MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA			
	DESIGNED BY: CHAD KEYC		SIZE B	REVISION A	DWG NO 10021014	
	LAYOUT BY: JOSE ROSAL		SCALE 1 - 1			SHEET 1 - 1