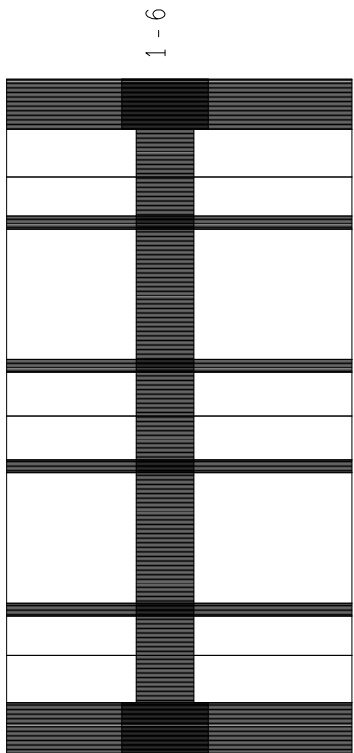
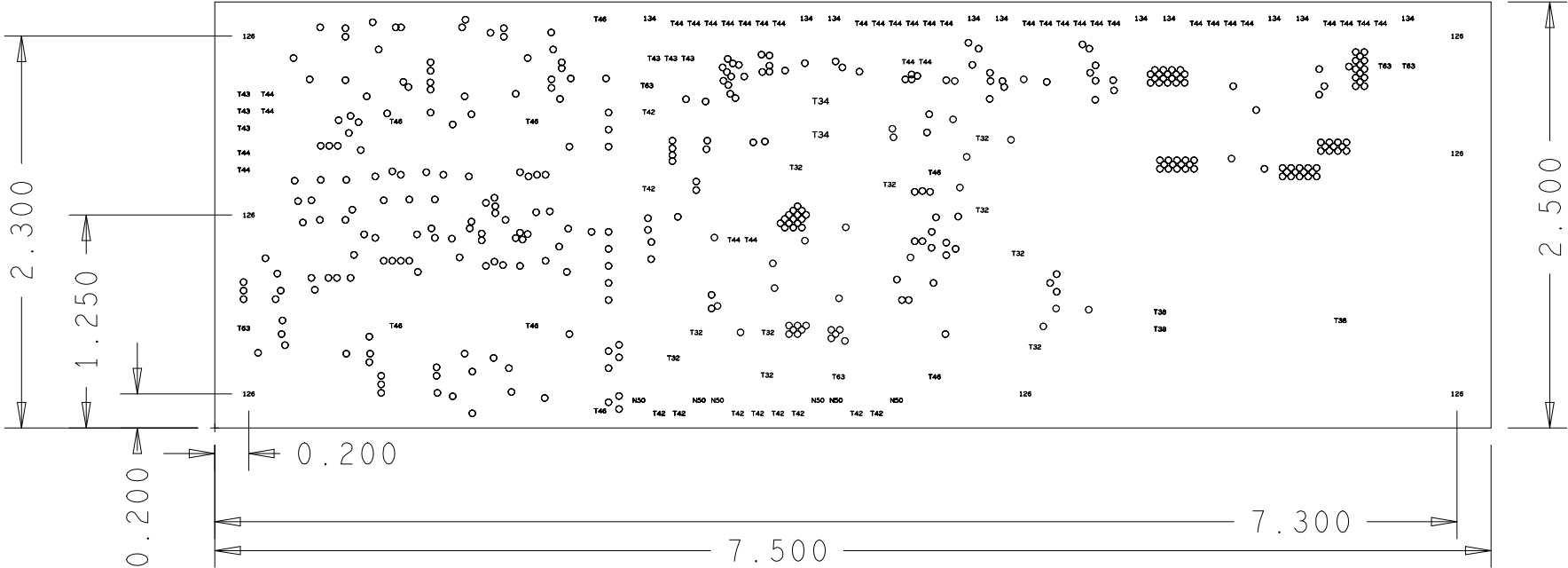


DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
o	10.0	PLATED	366
T32	32.0	PLATED	10
T34	34.0	PLATED	2
T38	38.0	PLATED	3
T42	42.0	PLATED	10
T43	43.0	PLATED	6
T44	44.0	PLATED	35
T63	63.0	PLATED	5
126	126.0	PLATED	7
134	134.0	PLATED	10
T46	46.0	NON-PLATED	8
N50	50.0	NON-PLATED	6



- L1: TOP CONDUCTOR - COPPER 2.7 MIL
- * 2116 PRE-PREG - FR-4 5.1 MIL
 - * 2116 PRE-PREG - FR-4 3.2 MIL
- L2: IN1 CONDUCTOR - COPPER 2.7 MIL
- * CORE - FR-4 28 MIL
- L3: IN2 CONDUCTOR - COPPER 2.7 MIL
- * 2116 PRE-PREG - FR-4 4.3 MIL
 - * 2116 PRE-PREG - FR-4 4.3 MIL
- L4: IN3 CONDUCTOR - COPPER 2.7 MIL
- * CORE - FR-4 28 MIL
- L5: IN4 CONDUCTOR - COPPER 2.7 MIL
- * 2116 PRE-PREG - FR-4 3.2 MIL
 - * 2116 PRE-PREG - FR-4 5.1 MIL
- L6: BOTTOM CONDUCTOR - COPPER 2.7 MIL

DESIGN CROSS SECTION CHART
TOTAL THICKNESS 97.4 MIL



CLASS II FABRICATION NOTES: (UNLESS OTHERWISE SPECIFIED)

- BOARDS SHALL BE 100% NET LIST TESTED FOR OPENS AND SHORTS PER PROVIDED IPC-D-356 NETLIST.
- THIS BOARD SHALL BE MANUFACTURED IN ACCORDANCE WITH IPC-6012A CLASS II SPECIFICATIONS AND MEET IPC-600 CLASS II ACCEPTABILITY STANDARDS.
- 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 0.093" +/- 10%
- LEGEND:
 - a. WHITE NON-CONDUCTIVE EPOXY INK BOTH SIDES.
- SOLDERMASK:
 - a. APPLY LIQUID PHOTO-IMAGABLE (LPI) SOLDER MASK OVER BARE COPPER PER IPC-SM-840 CLASS H, COLOR BLACK, BOTH SIDES.
- PLATING FINISH:
 - a. HOT AIR SOLDER LEVELING (HASL) SN63A SnPb SOLDER.
 - ~~b. IMMERSION SILVER IAG.~~
- 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.

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	ISUS/DURAFET CF2 BASED CONTROLLER		
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		
			SIZE B	REVISION B	DWG NO 10021035
	DESIGNED BY: LUKE COLETTI		SCALE 1 - 1		SHEET 1 - 1
	LAYOUT BY: JOSE ROSAL				