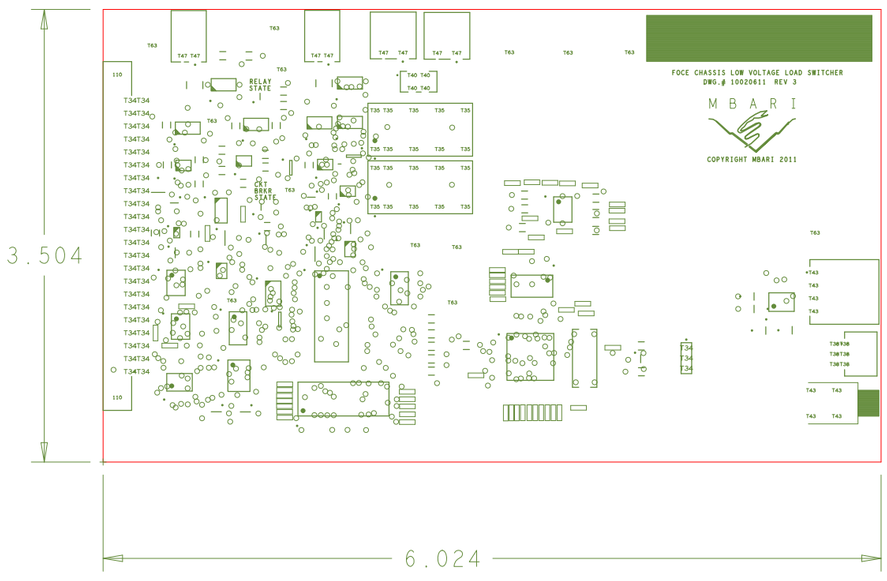
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
○	10.0	PLATED	465
T34	34.0	PLATED	47
T35	35.0	PLATED	20
T38	38.0	PLATED	6
T40	40.0	PLATED	4
T43	43.0	PLATED	8
T47	47.0	PLATED	8
T63	63.0	PLATED	13
T10	110.0	PLATED	2



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. TOP AND BOTTOM SIGNAL LAYERS TO BE 2 OZ. COPPER.
   c. INNER 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 BLUE BOTH SIDES.
6. PLATING FINISH:
   a. HOT AIR SOLDER LEVELING (HASL) SN63A SnPb SOLDER.
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.

VISIBLE LAYERS

TOP SILK

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIMENSIONS ARE IN INCHES		
TOLERANCES ON:		
2 PL DECIMALS +/- 0.02"		
3 PL DECIMALS +/- 0.005"		
ANGLES +/- 1 Degree		
FRACTIONS +	DESIGNED BY: CHAD KECY	
	LAYOUT BY: JIM MONTGOMERY	

DRAWING TITLE

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE
7700 SANDHOLDT ROAD
MOSS LANDING, CA

SIZE	REVISION	DWG NO
B	C	10020611

SCALE		SHEET
1-1		1-1