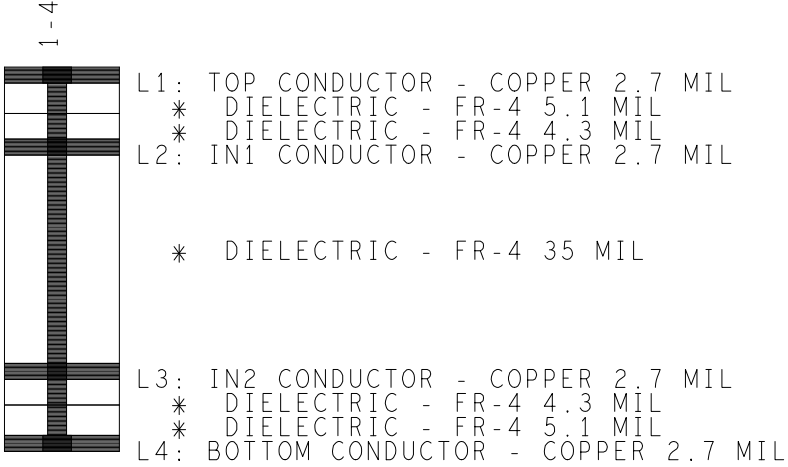
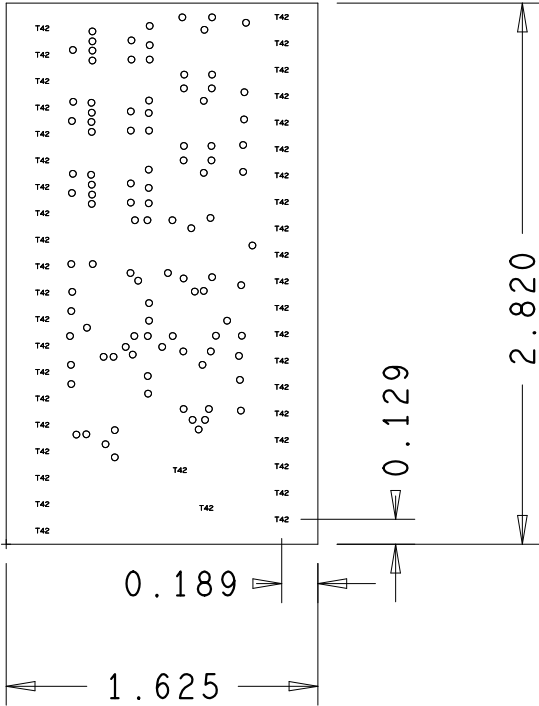


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



DESIGN CROSS SECTION CHART
TOTAL THICKNESS 64.6 MIL

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
o	15.0	PLATED	103
T42	42.0	PLATED	42



- 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:
 - FR4 PER IPC 4101B/24 /26, OR /28.
 - SIGNAL LAYERS TO BE 2 OZ. COPPER.
 - PLANE LAYERS TO BE 2 OZ. COPPER.
 - OVERALL THICKNESS TO BE 0.062" +/- 10%
 - LEGEND:
 - WHITE NON-CONDUCTIVE EPOXY INK BOTH SIDES.
 - SOLDERMASK:
 - APPLY LIQUID PHOTO-IMAGABLE (LPI) SOLDER MASK OVER BARE COPPER PER IPC-SM-840 CLASS H, MATTE BLUE, BOTH SIDES.
 - PLATING FINISH:
 - HOT AIR SOLDER LEVELING (HASL) SN63A SnPb SOLDER.
 - ~~IMMERSION SILVER IAG.~~
 - PROCESS ALLOWANCES:
 - MAXIMUM BOW AND TWIST SHALL NOT EXCEED .007" PER INCH
 - HOLE DIMENSIONS APPLY AFTER PLATING.
 - ALL HOLES SHALL BE LOCATED WITHIN 0.003" DIAMETER OF TRUE POSITION.
 - LAYER TO LAYER REGISTRATION SHALL BE WITHIN 0.003".
 - CONDUCTOR WIDTHS AND SPACING SHALL BE WITHIN +/- 0.002".
 - REMOVE ALL BURRS AND BREAK SHARP EDGES 0/015" MAX.
 - CUT OUTSIDE OF 0.001" BOARD OUTLINE.

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	VENTANA SERVO AMPLIFIER		
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	RELEASE A	DWG NO 11021201
	DESIGNED BY: PAUL MCGILL		SCALE 1 - 1		SHEET 1 - 1
	LAYOUT BY: JOSE ROSAL				