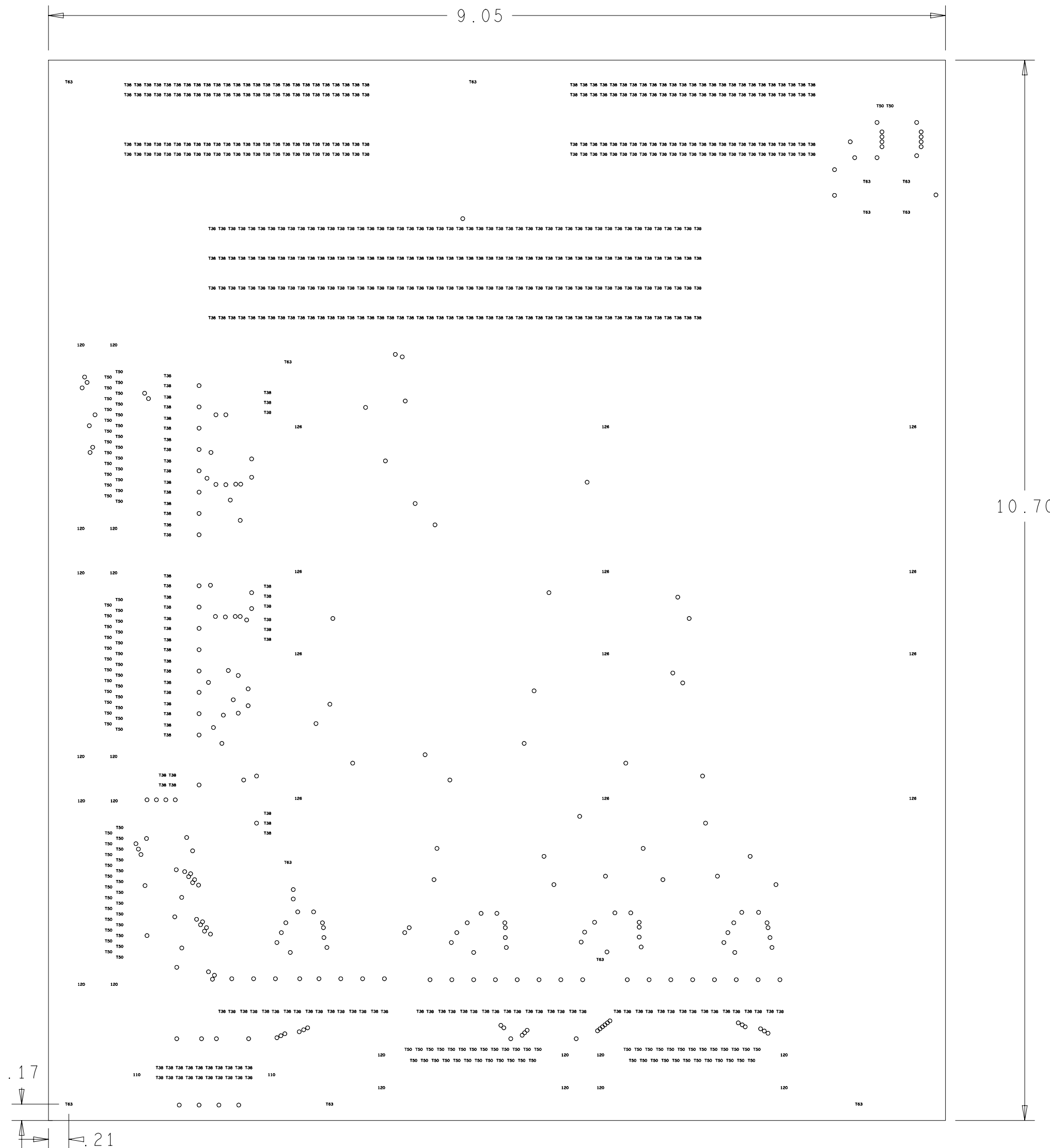


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



- 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 1 OZ. COPPER.
 - c. PLANE LAYERS TO BE 1 OZ. COPPER.
 - d. OVERALL THICKNESS TO BE 0.062" +/- 0.003"
 4. LEGEND:
 - a. BLACK NON-CONDUCTIVE EPOXY INK BOTH SIDES.
 5. SOLDER MASK:
 - a. APPLY LIQUID PHOTO-IMAGABLE (LPI) SOLDER MASK OVER BARE COPPER PER IPC-SM-840 CLASS H, COLOR WHITE, BOTH SIDES.
 6. PLATING FINISH:
 - a. HOT AIR SOLDER LEVELING (HASL) SN63A SnPb SOLDER.
 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.

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
0	10.0	PLATED	245
18	38.0	PLATED	516
150	50.0	PLATED	127
763	63.0	PLATED	12
110	110.0	PLATED	2
120	120.0	PLATED	20
126	126.0	PLATED	12

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	TETHYS EXPANSION TEST BOARD		
DIMENSIONS ARE IN INCHES					
TOLERANCES ON:			MONTEREY BAY AQUARIUM RESEARCH INSTITUTE		
2 PL DECIMALS +/- 0.02"			7700 SANDHOLDT ROAD		
3 PL DECIMALS +/- 0.005"			MOSS LANDING, CA		
ANGLES +/- 1 Degree			SIZE	REVISION	DWG NO
FRACTIONS .	DESIGNED BY: CHAD KEYC		C	1-1	10020319
	LAYOUT BY: JOSE ROSAL		SCALE	1-1	SHEET 1-1

[illegible]