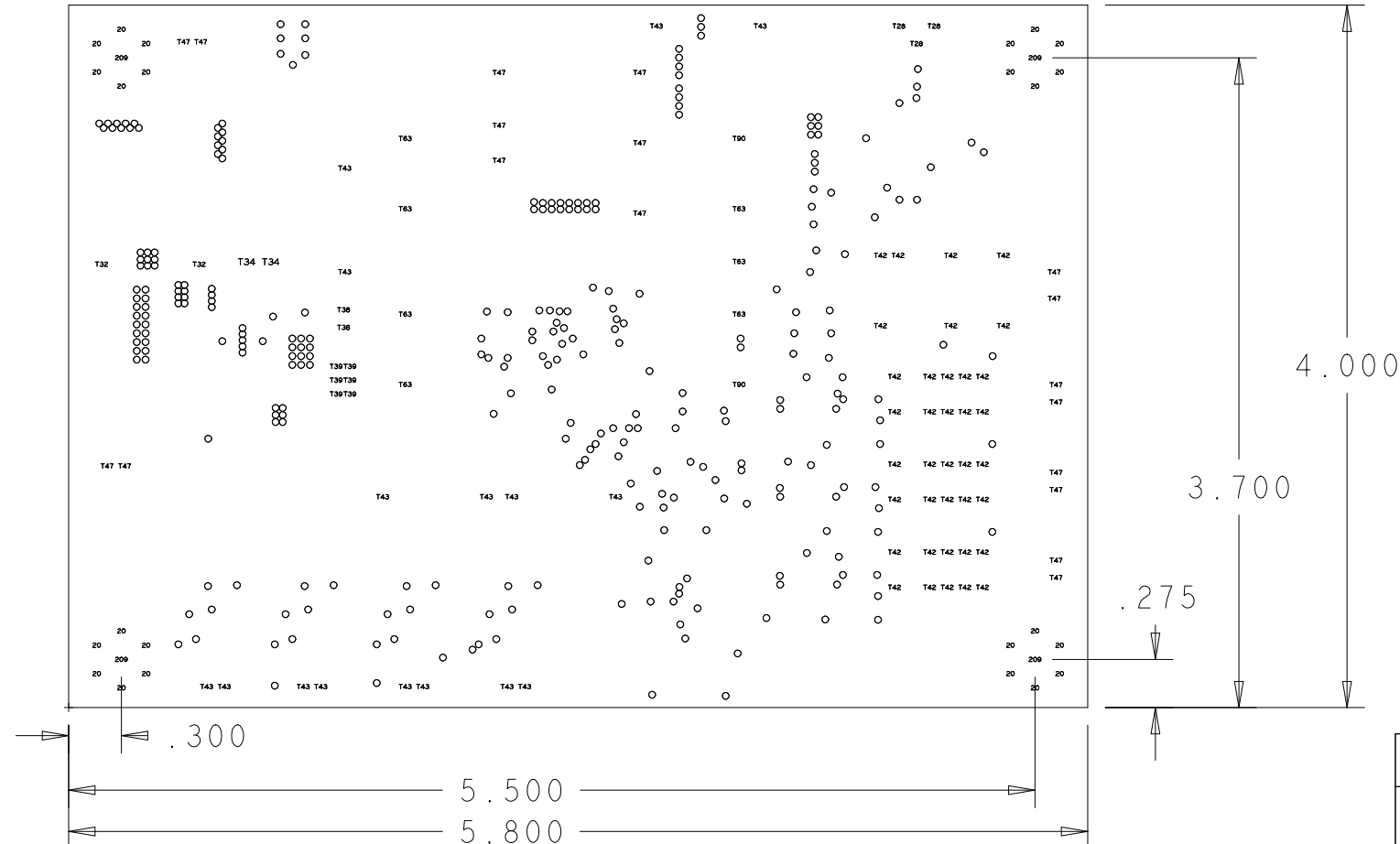


1. BOARDS SHALL BE 100% NET LIST TESTED FOR OPENS AND SHORTS PER PROVIDED IPC-D-356 NETLIST.
2. THIS BOARD SHALL BE MANUFACTURED IN ACCORDANCE WITH IPC-6012A CLASS II SPECIFICATIONS AND MEET IPC-600 CLASS II ACCEPTABILITY STANDARDS.
3. MATERIAL:
 - a. FR4 PER IPC 4101B/24 /26 , OR /28 .
 - b. SIGNAL LAYERS TO BE 2 OZ. COPPER.
 - c. PLANE LAYERS TO BE 1 OZ. COPPER.
 - d. OVERALL THICKNESS TO BE 0.062" +/- 10%
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 TAG.~~
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.



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FILE DESCRIPTIONS:
10021014rB_COMP-REP.rpt: COMPONENT PLACEMENT REPORT
10021014rB_cuTOP.art: TOP COPPER
10021014rB_cuIN1.art: INNER 1 COPPER
10021014rB_cuIN2.art: INNER 2 COPPER
10021014rB_cuBOT.art: BOTTOM COPPER
10021014rB_PMTOP.art: TOP PASTEMASK
10021014rB_PMBOT.art: BOTTOM PASTEMASK
10021014rB_SMTOP.art: TOP SOLDERMASK
10021014rB_SMBOT.art: BOTTOM SOLDERMASK
10021014rB_SSTOP.art: TOP SILK SCREEN
10021014rB_SSBOT.art: BOTTOM SILK SCREEN
10021014rB_swFOCE_SN.ipc: IPC-356 NETLIST
10021014rB_swFOCE_SN-1-4.drl: DRILL FILE
10021014rB_BOM.xlsx: BILL OF MATERIAL
10021014rB_FABRICATION-DWG.pdf: FABRICATION DRAWING
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DRILL CHART: TOP to BOTTOM
ALL UNITS ARE IN MILS



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