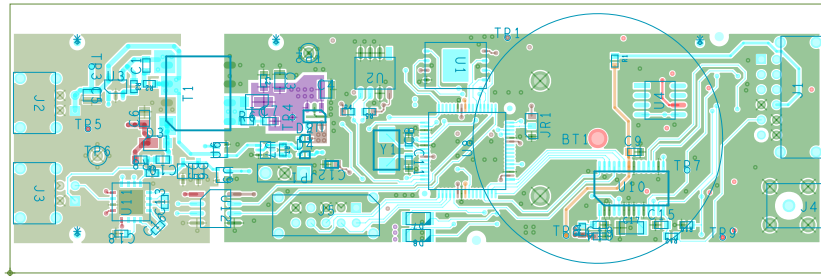
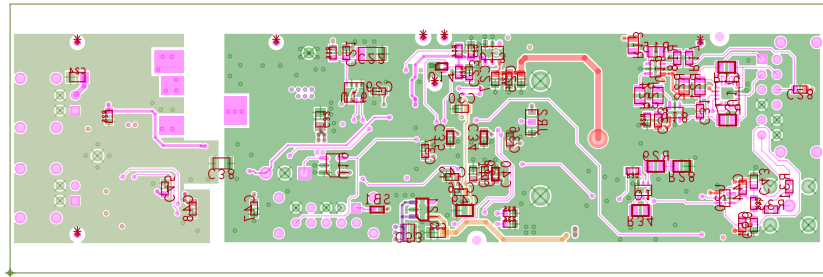


ART FILM - _cuTOP



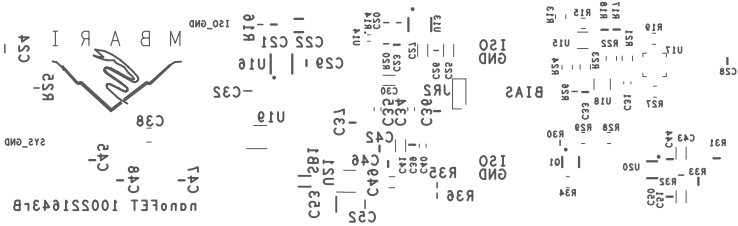
ART FILM - _cuTOP

ART FILM - _cuBOT



ART FILM - _cuBOT

ART FILM - _SSBOT



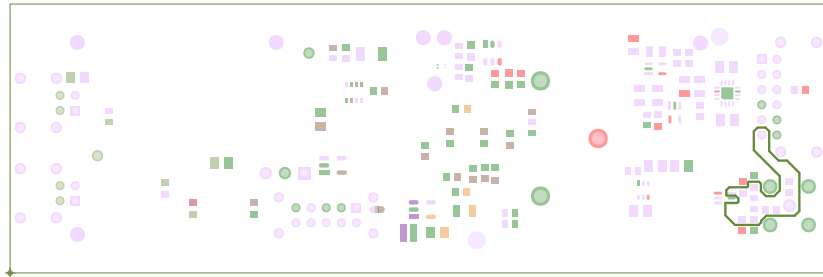
ART FILM - _SSBOT

ART FILM - _SMTOP



ART FILM - _SMTOP

ART FILM - _SMBOT



ART FILM - _SMBOT

ART FILM - _PMBOT



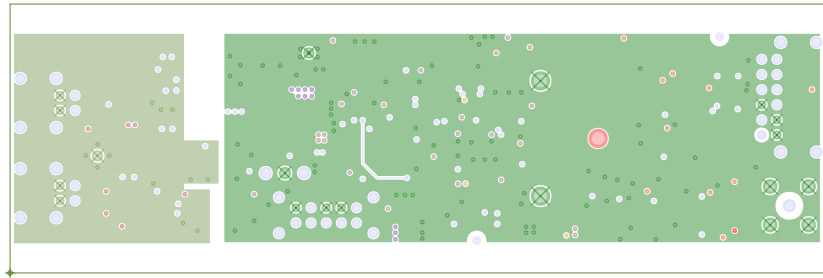
ART FILM - _PMBOT

ART FILM - _PMTOP



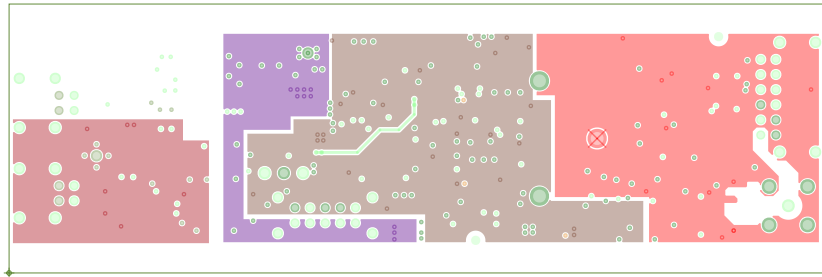
ART FILM - _PMTOP

ART FILM - _cuIN1

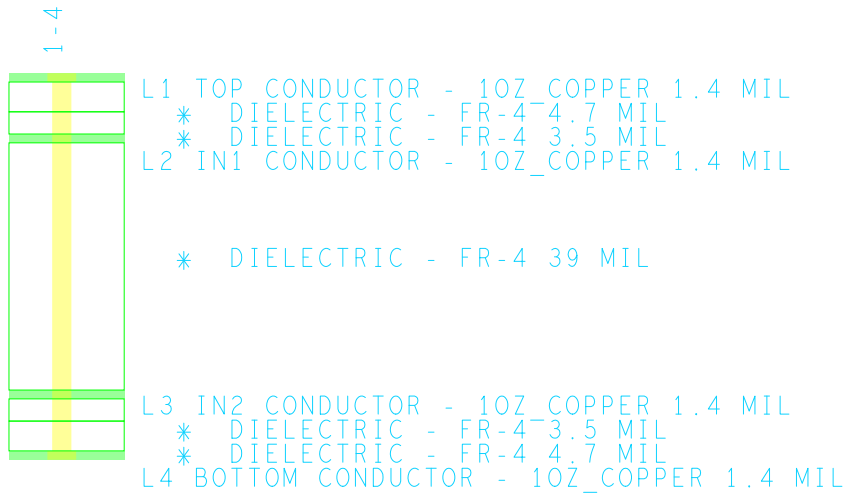


ART FILM - _cuIN1

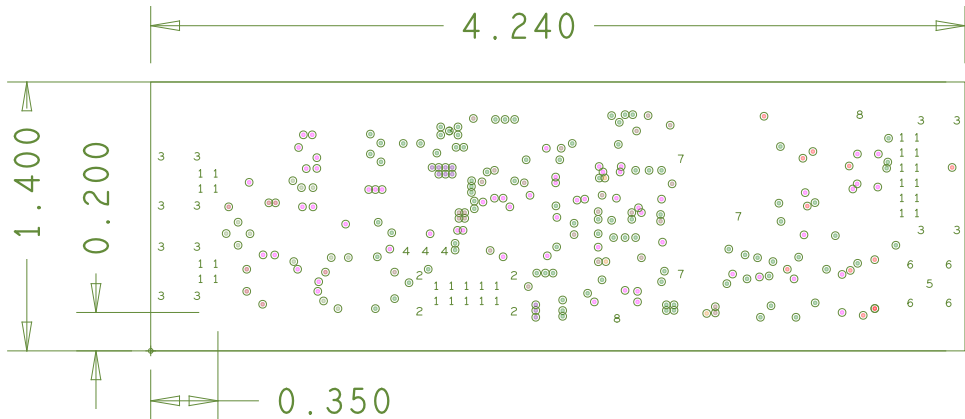
ART FILM - _cuIN2



ART FILM - _cuIN2



DESIGN CROSS SECTION CHART
TOTAL THICKNESS 61 MIL



- 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" +/- 0.006"
 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 MATTE BLUE, 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.

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	FINISHED_SIZE	PLATED	QTY
0	10.0	PLATED	223
1	31.5	PLATED	30
2	35.4	PLATED	4
3	39.4	PLATED	13
4	42.5	PLATED	3
5	44.5	PLATED	1
6	51.2	PLATED	4
7	66.9	PLATED	3
8	91.0	PLATED	2

UNLESS OTHERWISE SPECIFIED	DESIGNED BY:S.Jensen	100221643_nanoFET			
	LAYOUT BY:J.Rosal				
	CHECKED IN BY:irenehu	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT RD MOSS LANDING, CA 95039			
	CID:7/20/2023 3:11:35 PM				
	SYSTEM:				
DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PL DECIMALS +/- 0.02" 3 PL DECIMALS +/- 0.005" ANGLES +/- 1 1 Degree FRACTIONS +	SUBSYSTEM:	DRAWING NUMBER: 100221643	RELEASE: B	VERSION: 21	
	PROJECT NAME:Coastal BioGeoChemical Sensing	STATUS: Active	SCALE 1-1	SIZE: B	SHEET 1 OF 1