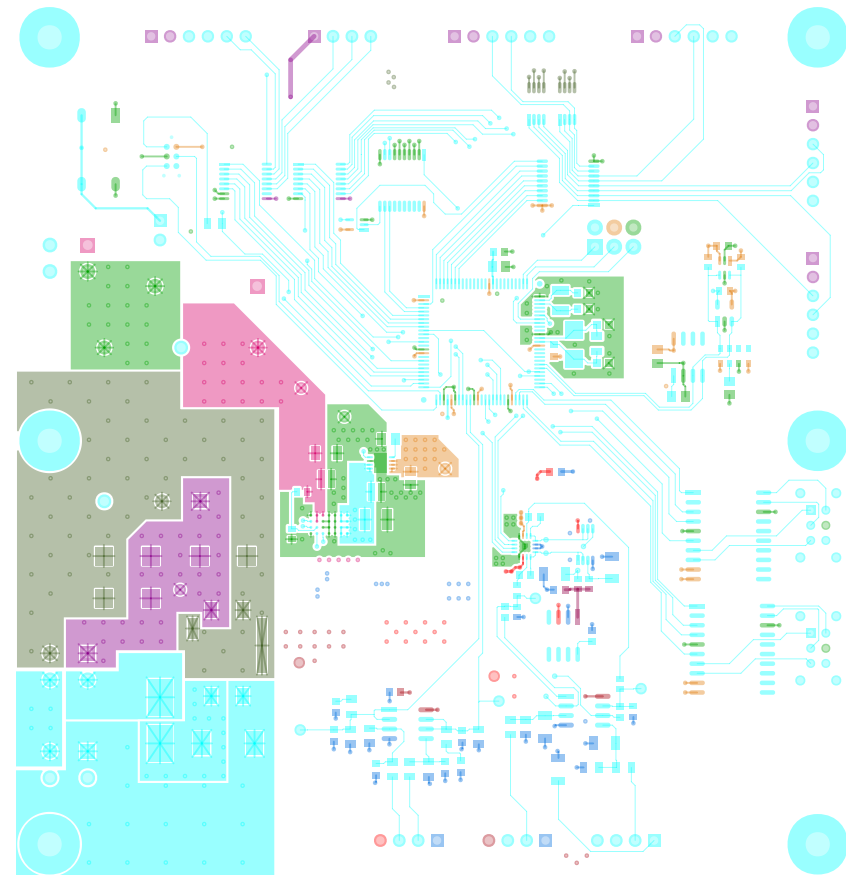
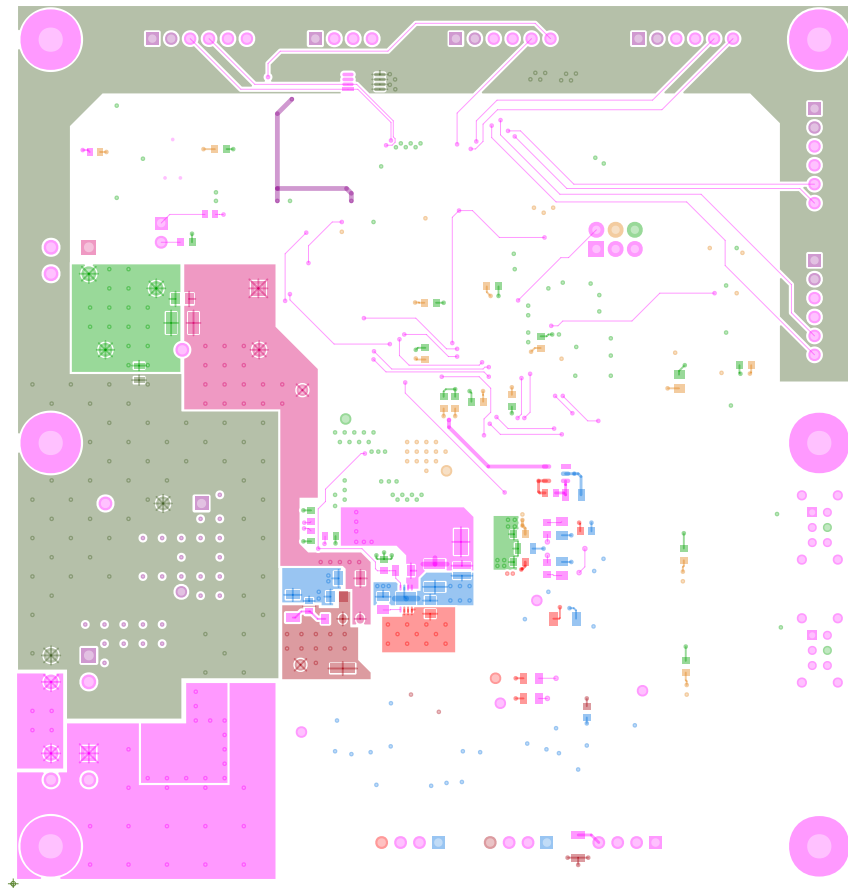
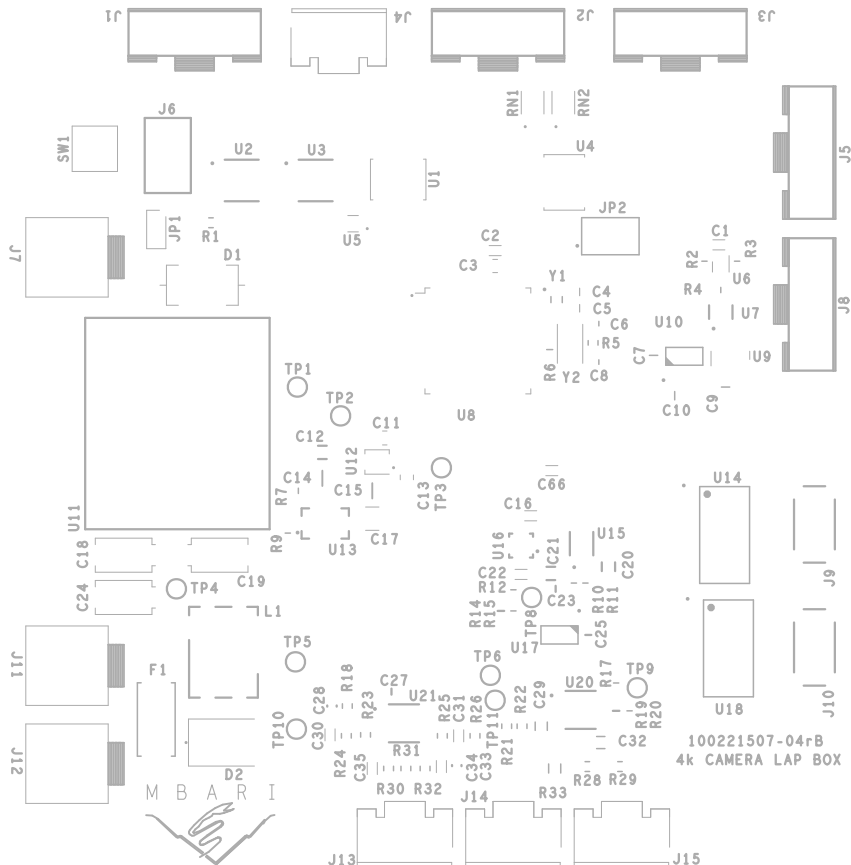


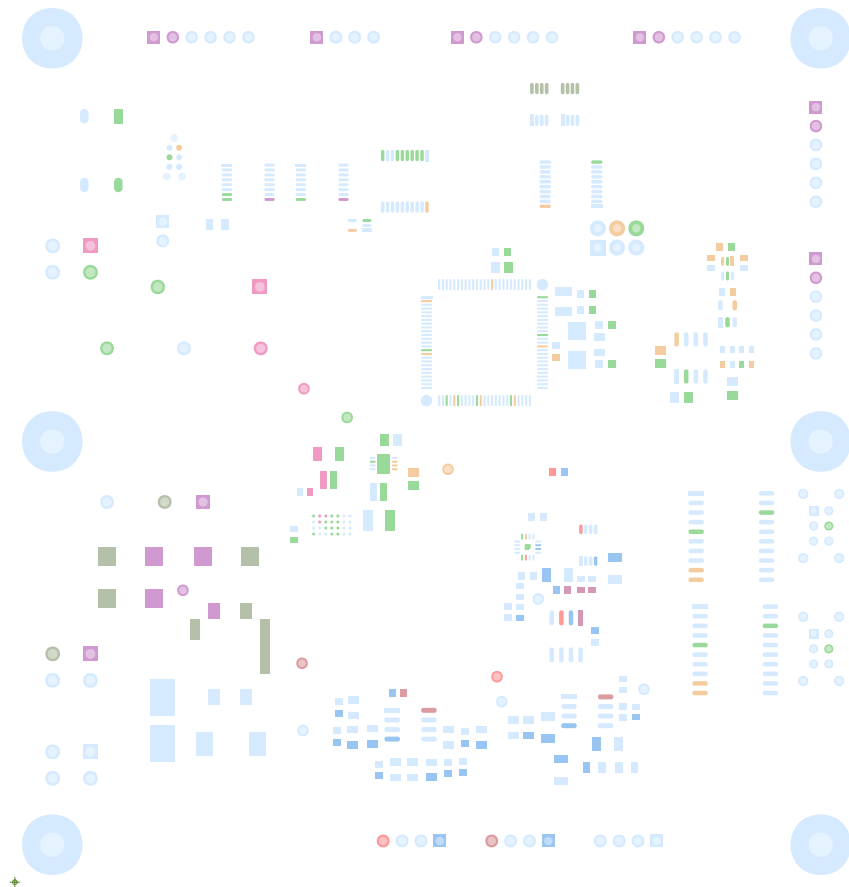
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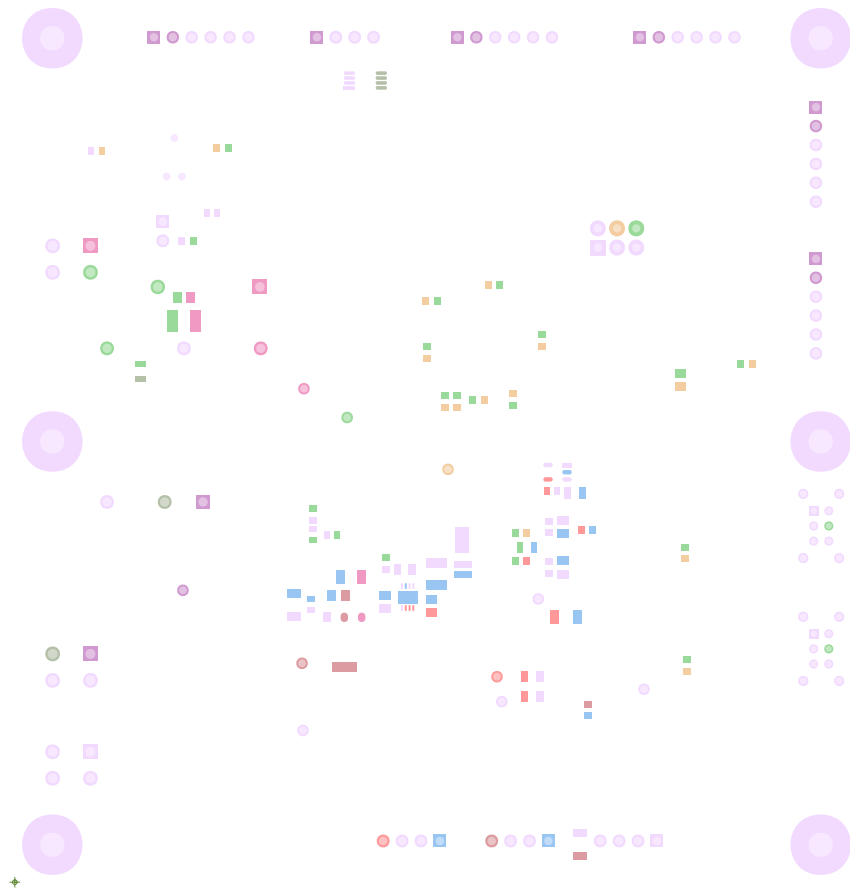
ART FILM - _cutOP







ART FILM - _SMBOT



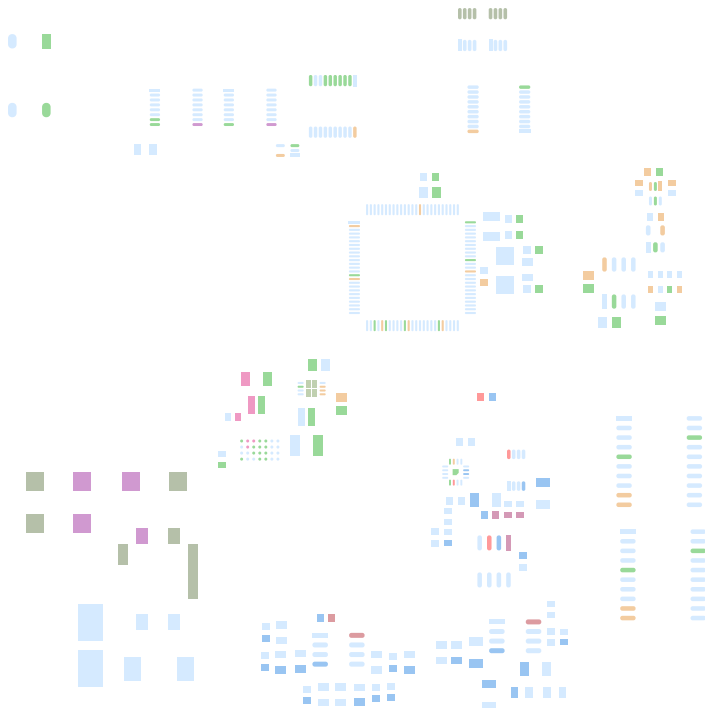
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ART FILM - _PMBOT

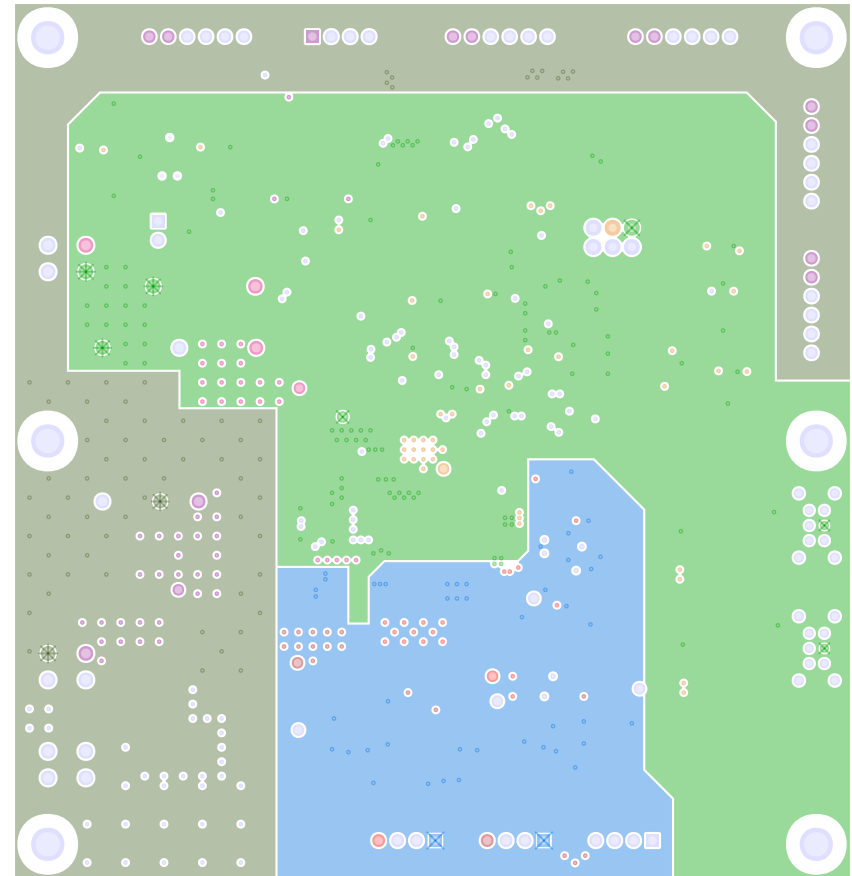


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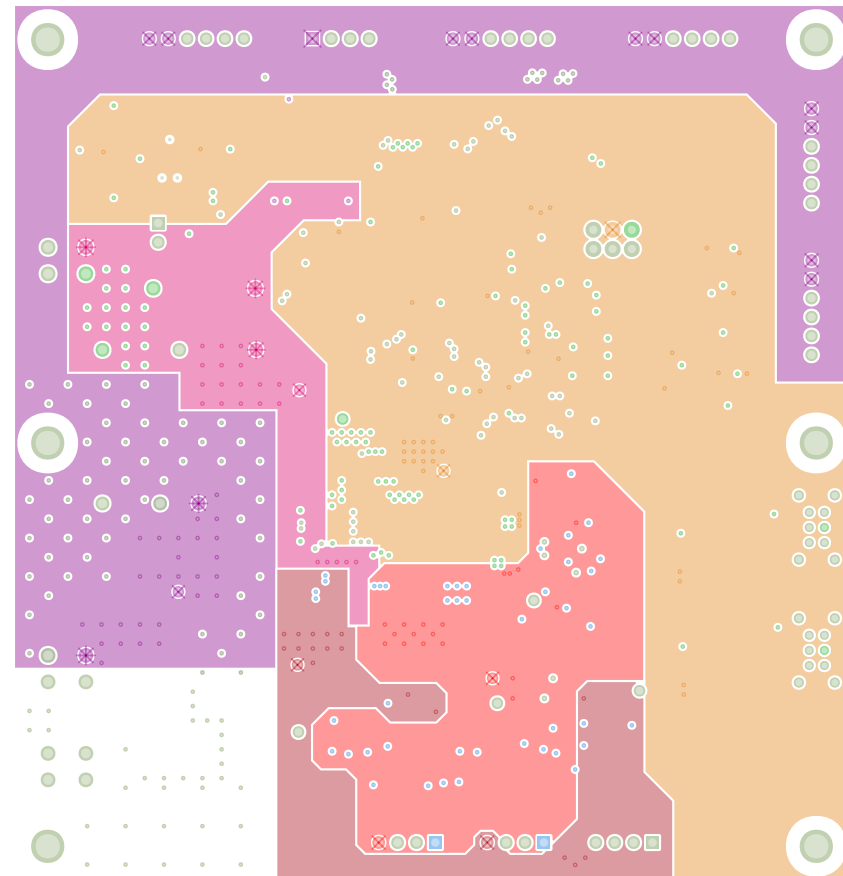
ART FILM - _PMTOP



ART FILM - _PMTOP



ART FILM - _cuIN2



ART FILM - _cuIN2

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. FR408 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" +/- 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 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.

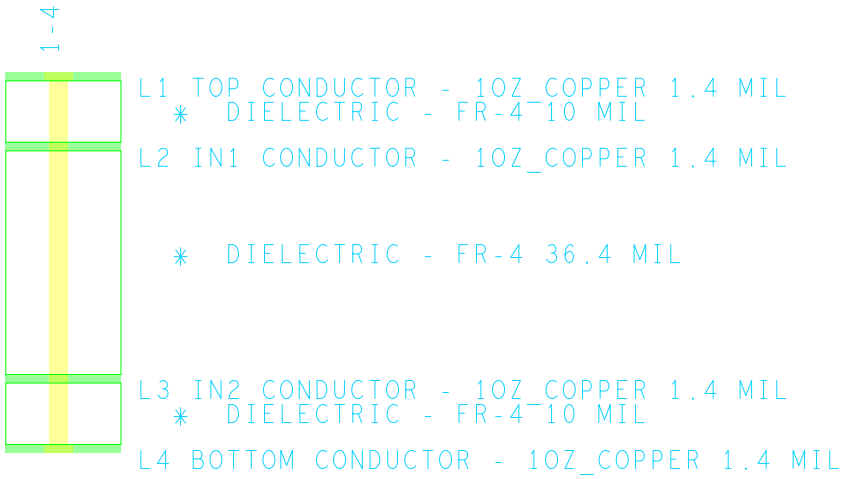
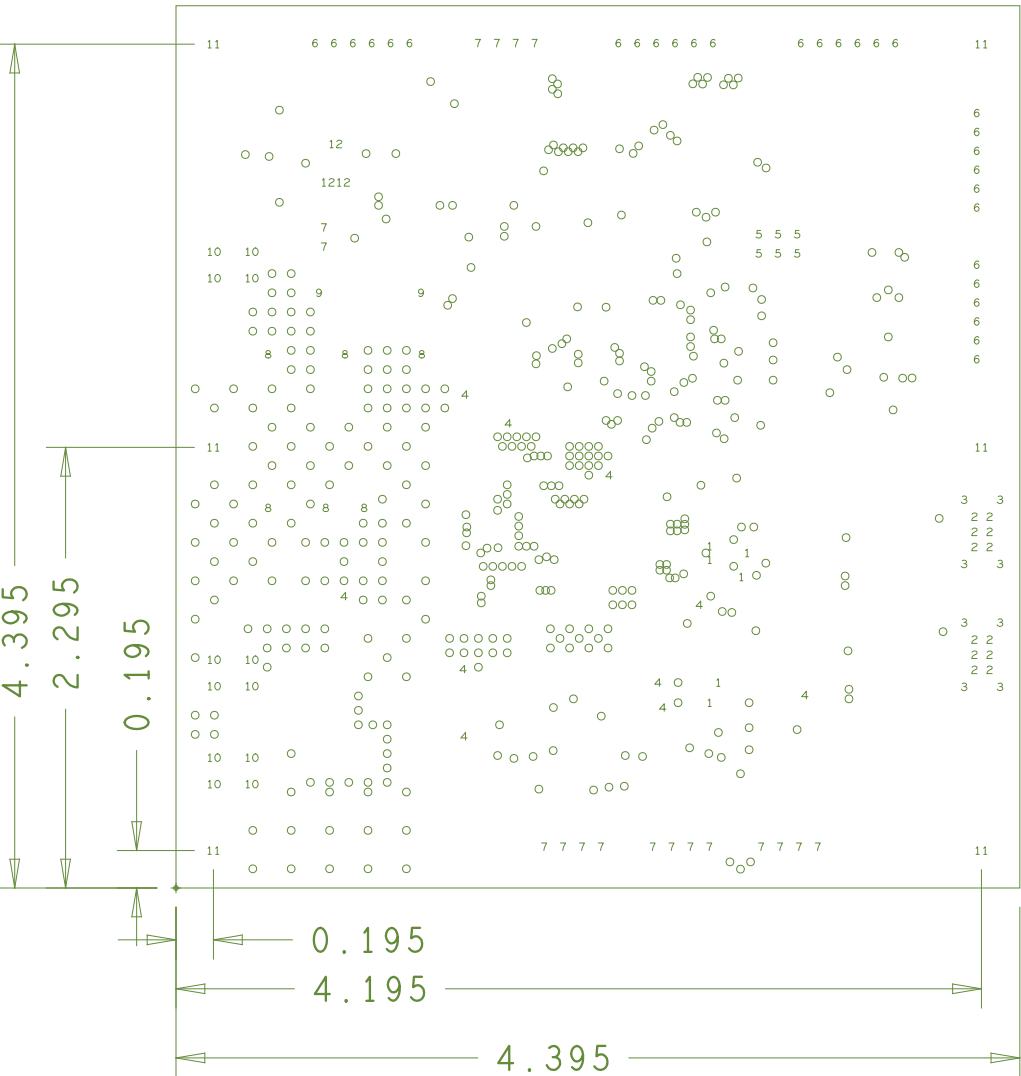
d. LAYER TO LAYER REGISTRATION SHALL BE WITHIN 0.003"

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.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	CORRECTED U1,U4,J7,J11,J12 FOOTPRINTS,ADDED SCHEMATIC BLUEWIRES FROM REV A	1/6/22	



DESIGN CROSS SECTION CHART
TOTAL THICKNESS 62 MIL

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	FINISHED_SIZE	PLATED	QTY
0	10.0	PLATED	445
1	15.0	PLATED	6
2	31.5	PLATED	12
3	35.4	PLATED	8
4	40.2	PLATED	10
5	43.0	PLATED	6
6	43.3	PLATED	30
7	44.0	PLATED	18
8	48.0	PLATED	6
9	50.0	PLATED	2
10	51.2	PLATED	12
11	126.0	PLATED	6
12	39.0	NON-PLATED	3

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	4K CAMERA LAP BOX PCB			
			MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT RD MOSS LANDING, CA 95039			
	DESIGNED BY: MARK CHAFFEY		SIZE C	RELEASE B	DWG NO 100221507-04	
			LAYOUT BY: JOSE ROSAL	SCALE 1-1	SHEET 1-1	