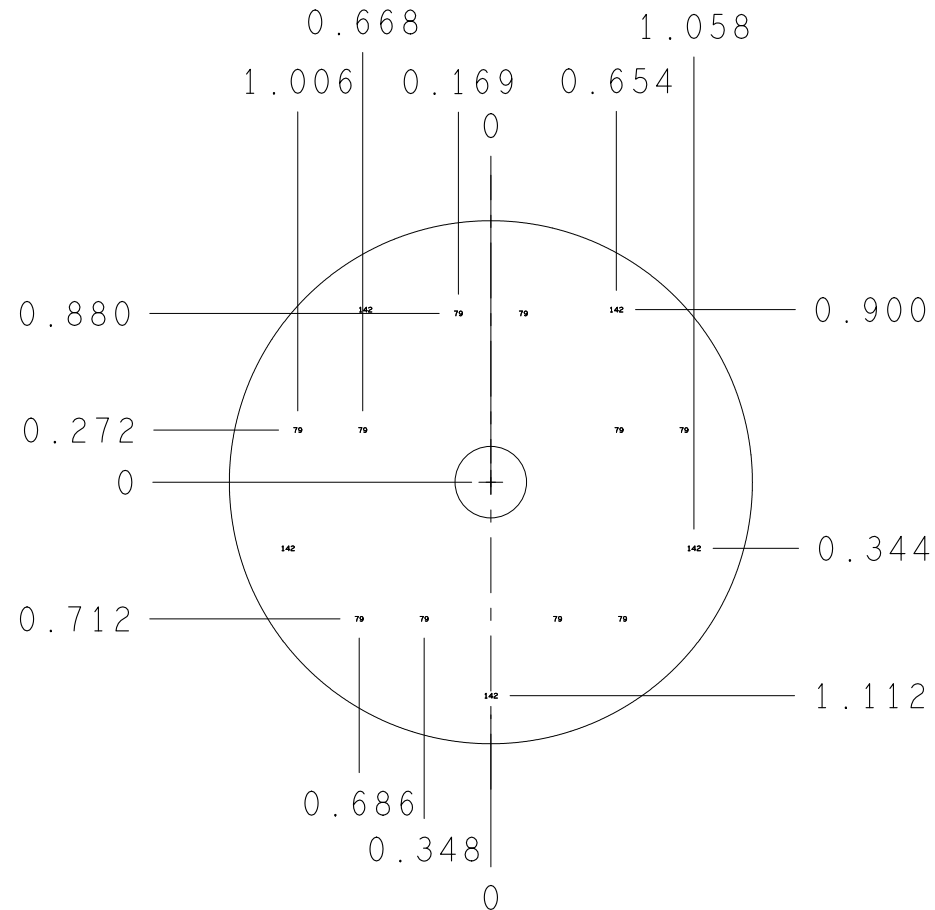


CLASS II FABRICATION NOTES: (UNLESS OTHERWISE SPECIFIED)

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. BERGQUIST ALx3 (HT) x4 6061T6
 - b. SIGNAL LAYERS TO BE 4 OZ. COPPER.
 - ~~c. PLANE LAYERS TO BE 1 OZ. COPPER.~~
 - d. OVERALL THICKNESS TO BE 0.062" +/- 10%
4. LEGEND:
 - a. BLACK NON-CONDUCTIVE EPOXY INK ON TOP SIDE ONLY.
5. SOLDERMASK:
 - a. APPLY TAYIO PSR-4000 LEW1 SOLDER MASK OVER BARE COPPER PER IPC-SM-840 CLASS H, COLOR WHITE, TOP SIDE ONLY.
6. PLATING FINISH:
 - ~~a. HOT AIR SOLDER LEVELING (HASL) SN62A SMLR SOLDER.~~
 - b. IMMERSION TIN.
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.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
79	79.0	NON-PLATED	10
142	142.0	NON-PLATED	5

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	SCPI 5 LED LIGHT MPCB			
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			
	DESIGNED BY: MARK CHAFFEY		SIZE B	REVISION A	DWG NO 10020893-2	
	LAYOUT BY: JOSE ROSAL		SCALE 1 - 1			SHEET 1 - 1