

L1: TOP CONDUCTOR - COPPER 2.7 MIL
* DIELECTRIC - FR-4 5.1 MIL
* DIELECTRIC - FR-4 4.7 MIL
L2: IN1 CONDUCTOR - COPPER 1.4 MIL

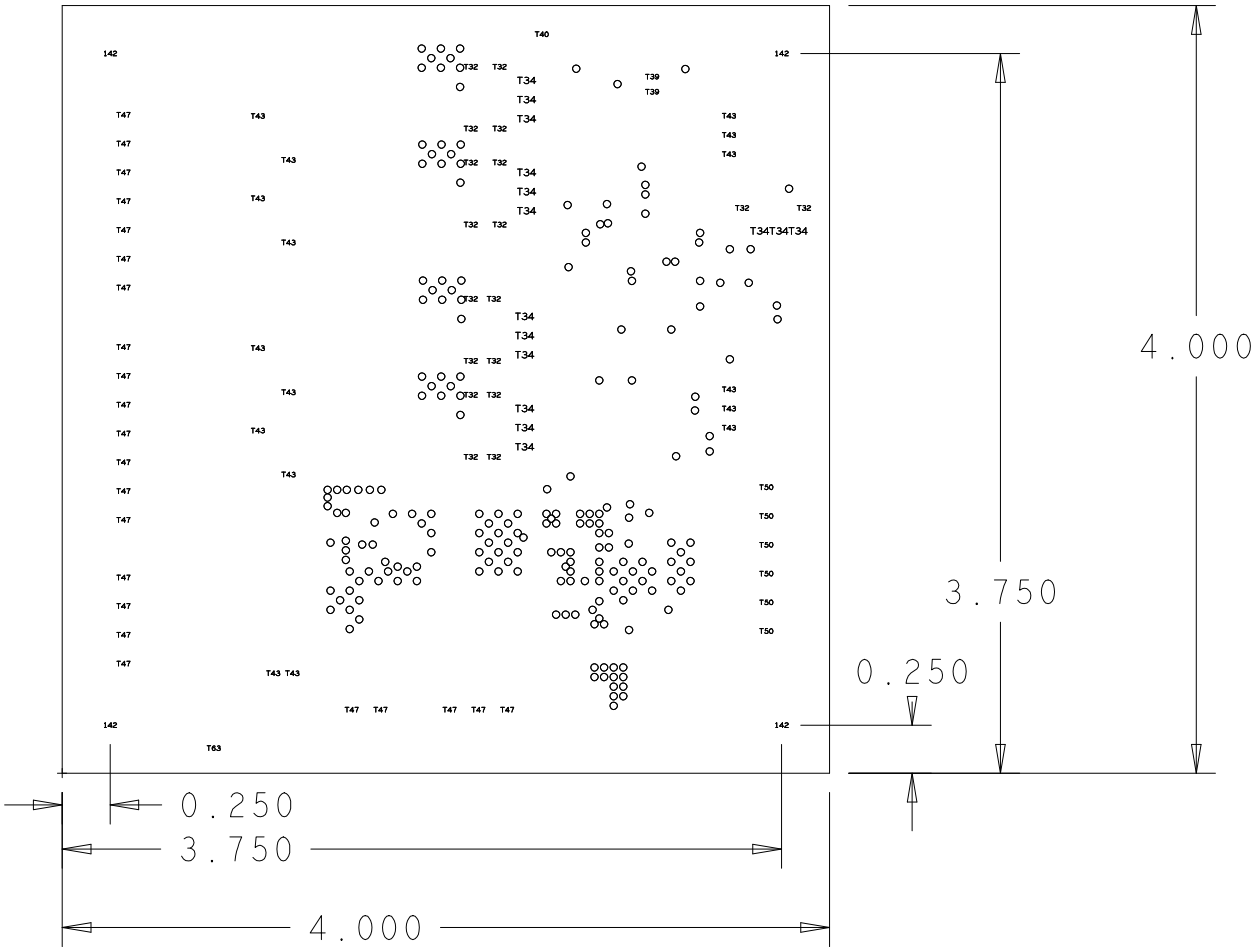
* DIELECTRIC - FR-4 35 MIL

L3: IN2 CONDUCTOR - COPPER 1.4 MIL
* DIELECTRIC - FR-4 4.7 MIL
* DIELECTRIC - FR-4 5.1 MIL
L4: BOTTOM CONDUCTOR - COPPER 2.7 MIL

DESIGN CROSS SECTION CHART
TOTAL THICKNESS 62.8 MIL

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
Ø	10.0	PLATED	213
T32	32.0	PLATED	18
T34	34.0	PLATED	15
T39	39.0	PLATED	2
T40	40.0	PLATED	1
T43	43.0	PLATED	16
T47	47.0	PLATED	23
T50	50.0	PLATED	6
T63	63.0	PLATED	1
142	142.0	NON-PLATED	4

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 2 OZ. COPPER.
 - c. PLANE LAYERS TO BE 1 OZ. COPPER.
 - d. OVERALL THICKNESS TO BE 0.062" +/- 0.007"
 - 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 RED, 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.

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	CAMERA TRIPOD CONTROLLER REV 1.0.1		
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		
			SIZE B	RELEASE A	DWG NO 10021181
	DESIGNED BY: ALANA SHERMAN		SCALE 1 - 1		SHEET 1 - 1
	LAYOUT BY: JOSE ROSAL				