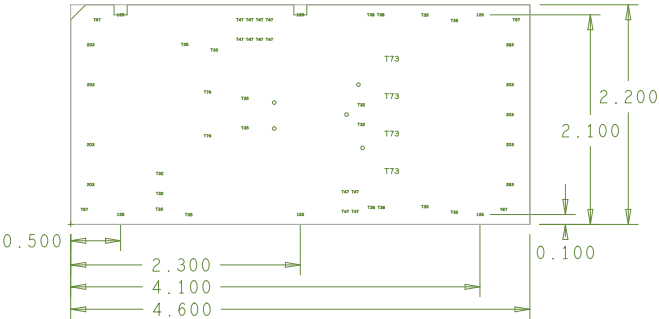


- CLASS II FABRICATION NOTES: (UNLESS OTHERWISE SPECIFIED)
1. BOARDS SHALL BE 100% NET LIST TESTED FOR OPENS AND SHORTS PER PROVIDED IPC-D-356 NETLIST.
  2. THIS BOARD SHALL BE MANUFACTURED IN ACCORDANCE WITH IPC-6012A CLASS II SPECIFICATIONS AND MEET IPC-600 CLASS II ACCEPTABILITY STANDARDS.
  3. MATERIAL:
    - a. FR4 PER IPC 4101B/24./26. OR /28.
    - b. SIGNAL LAYERS TO BE 2 OZ. FINISH COPPER.
    - c. ~~PLATE THICKNESS TO BE 0.0005"~~
    - d. OVERALL THICKNESS TO BE 0.062" +/- 0.007"
  4. LEGEND:
    - a. WHITE NON-CONDUCTIVE EPOXY INK BOTH SIDES.
  5. SOLDERMASK:
    - a. ADD 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. ~~NONLEAD SOLDER FINIS.~~
  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.



| VISIBLE<br>LAYERS |
|-------------------|
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|----------------------------------------------------------------------------------------------------------------|---------------------------|------|-------------------------------------------------------------------------------------|---------------|
| UNLESS OTHERWISE SPECIFIED                                                                                     | SIGNATURES                | DATE | MiniROV Vicor Maxi Carrier Board                                                    |               |
| DIMENSIONS ARE IN INCHES                                                                                       |                           |      | MONTEREY BAY AQUARIUM RESEARCH INSTITUTE<br>7700 SANDHOLDT ROAD<br>MOSS LANDING, CA |               |
| TOLERANCES UNL:<br>2 PL. DECIMALS +/- 0.02"<br>3 PL. DECIMALS +/- 0.005"<br>ANGLES +/- 1 Degree<br>FRACTIONS + |                           |      |                                                                                     |               |
|                                                                                                                | DESIGNED BY: CHAD KESEY   |      | SIZE<br>B                                                                           | REVISION<br>B |
|                                                                                                                | LAYOUT BY: JIM MONTGOMERY |      | DWG NO<br>10020775                                                                  |               |
|                                                                                                                |                           |      | SCALE<br>1-1                                                                        | SHEET<br>1-1  |

| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| REV       | DESCRIPTION | DATE | APPROVED |
|           |             |      |          |

| DRILL CHART: TOP to BOTTOM |       |        |     |
|----------------------------|-------|--------|-----|
| ALL UNITS ARE IN MILS      |       |        |     |
| FIGURE                     | SIZE  | PLATED | QTY |
| Ø                          | 10.0  | PLATED | 5   |
| T26                        | 32.0  | PLATED | 4   |
| T28                        | 35.0  | PLATED | 10  |
| T29                        | 38.0  | PLATED | 4   |
| T41                        | 47.0  | PLATED | 12  |
| T47                        | 67.0  | PLATED | 4   |
| T73                        | 73.0  | PLATED | 4   |
| T76                        | 76.0  | PLATED | 2   |
| T28                        | 125.0 | PLATED | 6   |
| Ø20                        | 203.0 | PLATED | 7   |
| Ø28                        | 283.0 | PLATED | 2   |