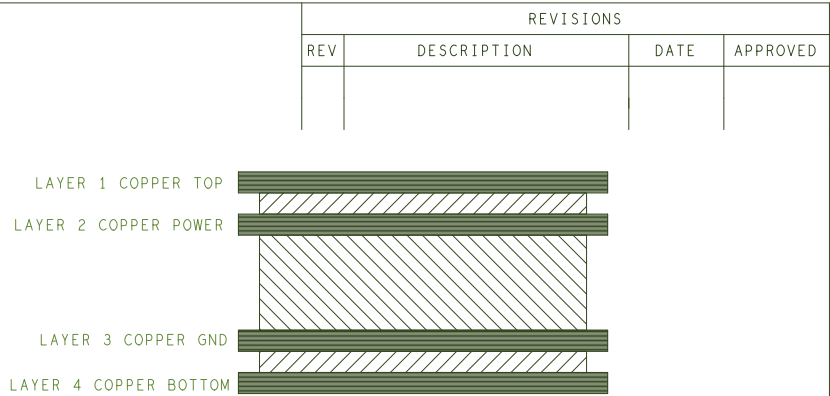
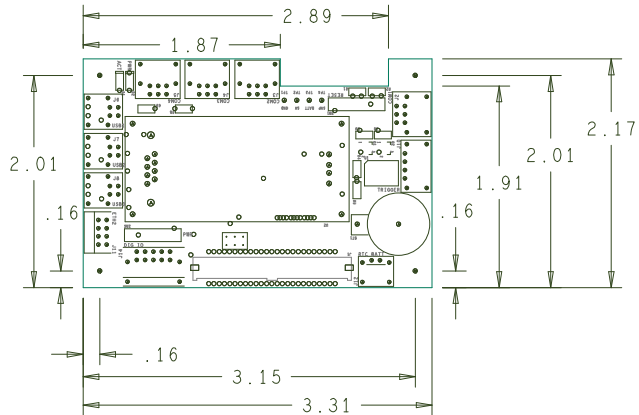


| DRILL CHART: TOP to BOTTOM |        |        |     |
|----------------------------|--------|--------|-----|
| ALL UNITS ARE IN MILS      |        |        |     |
| FIGURE                     | SIZE   | PLATED | QTY |
| ◦                          | 10.0   | PLATED | 106 |
| •                          | 35.0   | PLATED | 60  |
| ·                          | 36.0   | PLATED | 6   |
| •                          | 39.0   | PLATED | 40  |
| •                          | 43.0   | PLATED | 6   |
| •                          | 46.0   | PLATED | 16  |
| ◻                          | 50.0   | PLATED | 2   |
| ⊙                          | 65.0   | PLATED | 2   |
| •                          | 114.17 | PLATED | 4   |



- CLASS II FABRICATION NOTES: (UNLESS OTHERWISE SPECIFIED)
- BOARDS SHALL BE 100% NET LIST TESTED FOR OPENS AND SHORTS PER PROVIDED IPC-D-336 NETLIST.
  - THIS BOARD SHALL BE MANUFACTURED IN ACCORDANCE WITH IPC-6012A CLASS II SPECIFICATIONS AND MEET IPC-600 CLASS II ACCEPTABILITY STANDARDS.
  - MATERIAL:
    - FR4 PER IPC 4101B/24 /26, OR /28.
    - SIGNAL LAYERS TO BE 1 OZ. COPPER.
    - PLANE LAYERS TO BE 1 OZ. COPPER.
    - OVERALL THICKNESS TO BE 0.062" +/- 0.003"
  - LEGEND:
    - WHITE NON-CONDUCTIVE EPOXY INK BOTH SIDES.
  - SOLDERMASK:
    - APPLY LIQUID PHOTO-IMAGABLE (LPI) SOLDER MASK OVER BARE COPPER PER IPC-SM-840 CLASS H, COLOR RED, BOTH SIDES.
  - PLATING FINISH:
    - HOT AIR SOLDER LEVELING (HASL) SN63A SnPb SOLDER.
  - PROCESS ALLOWANCES:
    - MAXIMUM BOW AND TWIST ACROSS DIAGONAL CORNERS OF THE BOARD SHALL NOT EXCEED 0.75%.
    - HOLE DIMENSIONS APPLY AFTER PLATING.
    - ALL HOLES SHALL BE LOCATED WITHIN 0.003" DIAMETER OF TRUE POSITION.
    - LAYER TO LAYER REGISTRATION SHALL BE WITHIN 0.003".
    - CONDUCTOR WIDTHS AND SPACING SHALL BE WITHIN +/- 0.002".
    - REMOVE ALL BURRS AND BREAK SHARP EDGES 0/015" MAX.
    - CUT OUTSIDE OF 0.001" BOARD OUTLINE.

| UNLESS OTHERWISE SPECIFIED                                                                                                              | SIGNATURES               | DATE | MBARI FALCON FANOUT W/ ETH               |               |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------|------------------------------------------|---------------|-------------------|
|                                                                                                                                         |                          |      | MONTEREY BAY AQUARIUM RESEARCH INSTITUTE |               |                   |
|                                                                                                                                         |                          |      | 7700 SANDHOLDT ROAD                      |               |                   |
|                                                                                                                                         |                          |      | MOSS LANDING, CA                         |               |                   |
| DIMENSIONS ARE IN INCHES<br>TOLERANCES ON:<br>2 PL DECIMALS +/- 0.02"<br>3 PL DECIMALS +/- 0.005"<br>ANGLES +/- 1 Degree<br>FRACTIONS " | DESIGNED BY: EJM         |      | SIZE<br>B                                | REVISION<br>2 | DWG NO<br>DOR0006 |
|                                                                                                                                         | LAYOUT BY: ERIC J MARTIN |      | SCALE                                    | 1-1           | SHEET             |
|                                                                                                                                         |                          |      |                                          |               | 1-1               |