

# Mainboard Fabrication Document

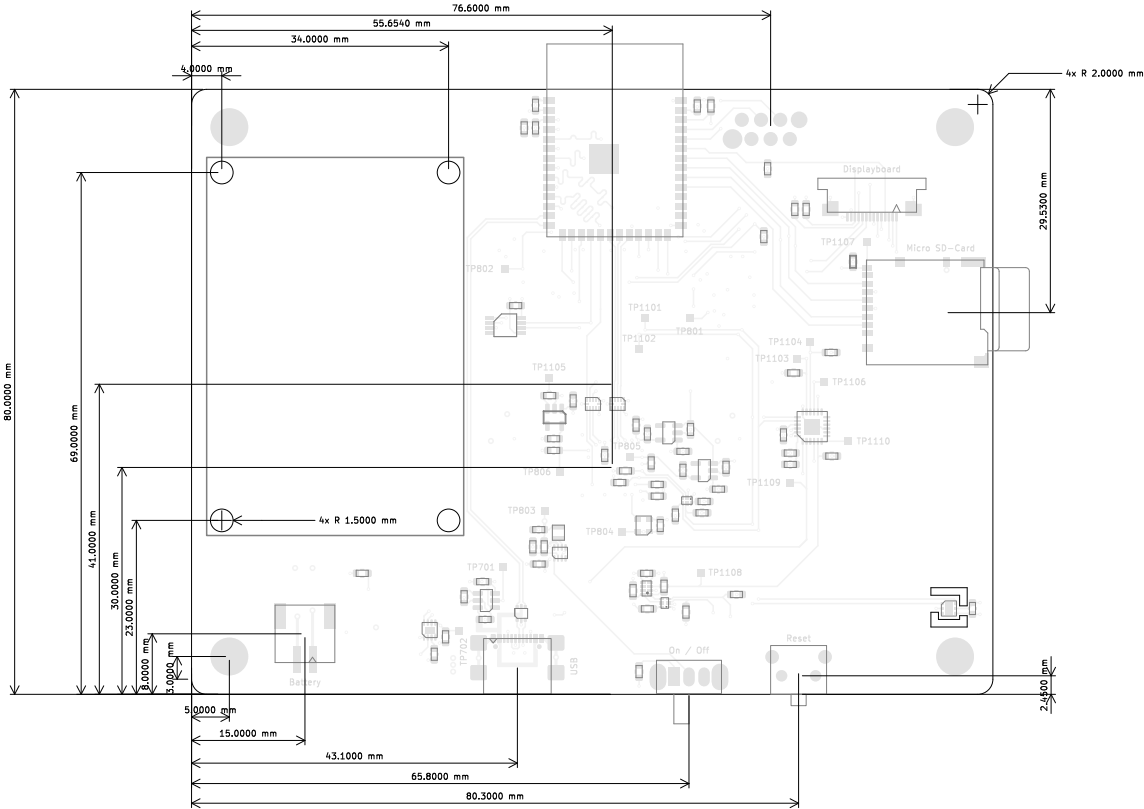
|  | Material | Layer        | Thickness        | Dielectric | Type        | Gerber |
|--|----------|--------------|------------------|------------|-------------|--------|
|  |          | F,Paste      |                  |            | Paste Mask  |        |
|  |          | F,Silkscreen |                  |            | Legend      | GBR    |
|  |          | F,Mask       | 0,01mm           |            | Solder Mask | GBR    |
|  | Copper   | F,Cu         | 0,035mm (1,00oz) |            | Signal      | GBR    |
|  | Core     |              | 0,196mm          | FR4        | Dielectric  |        |
|  | Copper   | Inner1 (GND) | 0,035mm (1,00oz) |            | Plane       | GBR    |
|  | Prepreg  |              | 1,03mm           | FR4        | Dielectric  |        |
|  | Copper   | Inner2       | 0,035mm (1,00oz) |            | Plane       | GBR    |
|  | Core     |              | 0,196mm          | FR4        | Dielectric  |        |
|  | Copper   | B,Cu         | 0,035mm (1,00oz) |            | Signal      | GBR    |
|  |          | B,Mask       | 0,01mm           |            | Solder Mask | GBR    |
|  |          | B,Silkscreen |                  |            | Legend      | GBR    |
|  |          | B,Paste      |                  |            | Paste Mask  |        |

Total thickness: 1,582mm  
Note: external layer thicknesses are specified after plating

## Top Fabrication (Scale 1:1)

### Impedance Table

| Transmission Line | Impedance [ohms] | Tolerance [%] | Layer | Trace Width [mm] | Gap [mm] | Ref. Layers |
|-------------------|------------------|---------------|-------|------------------|----------|-------------|
|-------------------|------------------|---------------|-------|------------------|----------|-------------|



#### FABRICATION NOTES (UNLESS OTHERWISE SPECIFIED)

- FABRICATE PER IPC-6012A CLASS 2.
- OUTLINE DEFINED IN SEPARATE GERBER FILE WITH "Edge\_Cuts.GBR" SUFFIX.  
  
DIMENSIONS OF CIRCUMSIZED RECTANGLE SHOWN ON THIS DRAWING FOR REFERENCE ONLY.
- SEE SEPARATE DRILL FILES WITH ".DRL" SUFFIX FOR HOLE LOCATIONS.  
  
SELECTED HOLE LOCATIONS SHOWN ON THIS DRAWING FOR REFERENCE ONLY.
- SURFACE FINISH: HAL LEAD-FREE
- SOLDERMASK ON BOTH SIDES OF THE BOARD SHALL BE LPI, COLOR WHITE.
- SILK SCREEN LEGEND TO BE APPLIED PER LAYER STACKUP USING BLACK NON-CONDUCTIVE EPOXY INK.
- ALL VIAS ARE TENTED ON BOTH SIDES UNLESS SOLDERMASK OPENED IN GERBER.
- VENDOR SHOULD FOLLOW ROHS COMPLIANT PROCESS AND Pb FREE FOR MANUFACTURING
- PCB MATERIAL REQUIREMENTS:
  - FLAMMABILITY RATING MUST MEET OR EXCEED UL94V-0 REQUIREMENTS.
  - Tg 150 C OR EQUIVALENT.
  - EQUIVALENT MATERIAL SHALL BE ROHS COMPLIANT, HALOGEN FREE AND APPROVED BY PYROVISION.

#### 10) DESIGN GEOMETRY MINIMUM FEATURE SIZES:

|                  |                     |
|------------------|---------------------|
| BOARD SIZE       | 106,000 × 80,000 mm |
| BOARD THICKNESS  | 1,582 mm            |
| TRACE WIDTH      | 0,200 mm            |
| TRACE TO TRACE   | -0,000 mm           |
| MIN. HOLE (PTH)  | 0,250 mm            |
| MIN. HOLE (NPTH) | 0,650 mm            |
| ANNULAR RING     | 0,100 mm            |
| COPPER TO HOLE   | 0,125 mm            |
| COPPER TO EDGE   | 0,125 mm            |
| HOLE TO HOLE     | 0,250 mm            |

All dimensions are in millimeters unless otherwise specified.

#### Comments:

PyroVision

#### Company:

**PyroVision**

#### Variant:

RELEASED

#### Git Hash:

7d35ea0

#### Board Name:

**Mainboard**

#### Project Name:

**PyroVision**

#### Sheet Title:

Top Fabrication (Scale 1:1)

#### File Name:

Mainboard.kicad\_pcb

#### Designer:

Daniel Kampert

#### Date:

2025-05-12

#### Revision:

1.0.1

#### Sheet Path:

#### Reviewer:

#### Size:

**A3**

#### Sheet:

**1** of **10**



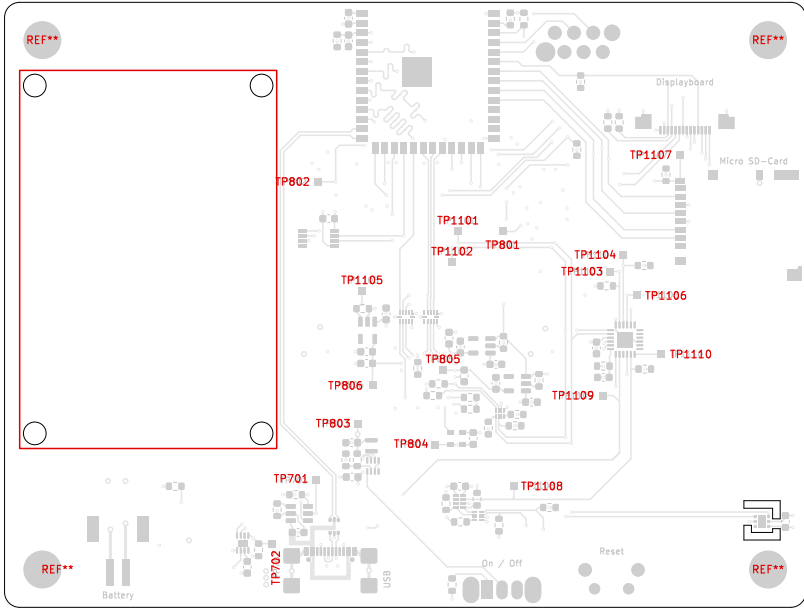
| Mainboard Fabrication Document   |       |                     |        |                |                  |           |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
|--|-------|---------------------|--------|----------------|------------------|-----------|-------------|--|---------------|-----------|-------|-----------|--------|------------|------------------|-----------|---|-----|-------------------|-----|-------|-------------|-----|---|----|--------------------|-----|-------|-------------|-----|---|----|--------------------|-----|-------|-------------|-----|---|---|--------------------|-----|-------|-------------|-----|---|---|--------------------|-----|-------|-------------|-----|---|---|--------------------|-----|-------|-------------|-----|---|---|--------------------|-----|-------|-------------|-----|---|---|--------------------|-----|-------|-------------|-----|-----------|--|--|--|--|--|--|
| Drill Drawing L1 - L4 (Scale 1:1)  |       |                     |        |                |                  |           |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| <div><div><div>Drill Table</div><table><tr><th>Symbol</th><th>Count</th><th>Hole Size</th><th>Plated</th><th>Hole Shape</th><th>Drill Layer Pair</th><th>Hole Type</th></tr><tr><td>×</td><td>247</td><td>0,25mm (9,84mils)</td><td>PTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Via</td></tr><tr><td>○</td><td>16</td><td>0,40mm (15,75mils)</td><td>PTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Via</td></tr><tr><td>+</td><td>32</td><td>0,50mm (19,69mils)</td><td>PTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Pad</td></tr><tr><td>□</td><td>3</td><td>0,90mm (35,43mils)</td><td>PTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Pad</td></tr><tr><td>◇</td><td>2</td><td>1,00mm (39,37mils)</td><td>PTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Pad</td></tr><tr><td>⊠</td><td>2</td><td>1,30mm (51,18mils)</td><td>PTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Pad</td></tr><tr><td>※</td><td>8</td><td>1,50mm (59,06mils)</td><td>PTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Pad</td></tr><tr><td>⊠</td><td>4</td><td>2,50mm (98,43mils)</td><td>PTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Pad</td></tr><tr><td colspan="2">Total 314</td><td></td><td></td><td></td><td></td><td></td></tr></table></div><div></div></div> |       |                     |        |                |                  |           |             |  |               | Symbol    | Count | Hole Size | Plated | Hole Shape | Drill Layer Pair | Hole Type | × | 247 | 0,25mm (9,84mils) | PTH | Round | F,Cu - B,Cu | Via | ○ | 16 | 0,40mm (15,75mils) | PTH | Round | F,Cu - B,Cu | Via | + | 32 | 0,50mm (19,69mils) | PTH | Round | F,Cu - B,Cu | Pad | □ | 3 | 0,90mm (35,43mils) | PTH | Round | F,Cu - B,Cu | Pad | ◇ | 2 | 1,00mm (39,37mils) | PTH | Round | F,Cu - B,Cu | Pad | ⊠ | 2 | 1,30mm (51,18mils) | PTH | Round | F,Cu - B,Cu | Pad | ※ | 8 | 1,50mm (59,06mils) | PTH | Round | F,Cu - B,Cu | Pad | ⊠ | 4 | 2,50mm (98,43mils) | PTH | Round | F,Cu - B,Cu | Pad | Total 314 |  |  |  |  |  |  |
| Symbol   | Count | Hole Size           | Plated | Hole Shape     | Drill Layer Pair | Hole Type |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| ×  | 247   | 0,25mm (9,84mils)   | PTH    | Round          | F,Cu - B,Cu      | Via       |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| ○  | 16    | 0,40mm (15,75mils)  | PTH    | Round          | F,Cu - B,Cu      | Via       |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| +  | 32    | 0,50mm (19,69mils)  | PTH    | Round          | F,Cu - B,Cu      | Pad       |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| □  | 3     | 0,90mm (35,43mils)  | PTH    | Round          | F,Cu - B,Cu      | Pad       |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| ◇  | 2     | 1,00mm (39,37mils)  | PTH    | Round          | F,Cu - B,Cu      | Pad       |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| ⊠  | 2     | 1,30mm (51,18mils)  | PTH    | Round          | F,Cu - B,Cu      | Pad       |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| ※  | 8     | 1,50mm (59,06mils)  | PTH    | Round          | F,Cu - B,Cu      | Pad       |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| ⊠  | 4     | 2,50mm (98,43mils)  | PTH    | Round          | F,Cu - B,Cu      | Pad       |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| Total 314  |       |                     |        |                |                  |           |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
|  |       |                     |        |                | Comments:        |           | Company:    |  | Variant:      | Git Hash: |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
|  |       |                     |        |                | PyroVision       |           | PyroVision  |  | RELEASED      | 7d35ea0   |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
|  |       |                     |        |                |                  |           | Board Name: |  | Project Name: |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
|  |       |                     |        |                |                  |           | Mainboard   |  | PyroVision    |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| Sheet Title:   |       | File Name:          |        | Designer:      | Date:            | Revision: |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| Drill Drawing (L1 - L4)  |       | Mainboard.kicad_pcb |        | Daniel Kampert | 2025-05-12       | 1.0.1     |             |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
| Sheet Path:  |       |                     |        | Reviewer:      |                  | Size:     | Sheet:      |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |
|  |       |                     |        |                |                  | A3        | 3 of 10     |  |               |           |       |           |        |            |                  |           |   |     |                   |     |       |             |     |   |    |                    |     |       |             |     |   |    |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |   |   |                    |     |       |             |     |           |  |  |  |  |  |  |

|  |  |  |  |                                    |                                    |                             |
|--|--|--|--|------------------------------------|------------------------------------|-----------------------------|
|  | <b>Comments:</b><br>PyroVision                 |  | <b>Company:</b><br>PyroVision            |                                    | <b>Variant:</b><br>RELEASED        | <b>Git Hash:</b><br>7d35ea0 |
|  |  |  | <b>Board Name:</b><br>Mainboard          |                                    | <b>Project Name:</b><br>PyroVision |                             |
|  | <b>Sheet Title:</b><br>Drill Drawing (L1 - L4) |  | <b>File Name:</b><br>Mainboard.kicad_pcb | <b>Designer:</b><br>Daniel Kampert | <b>Date:</b><br>2025-05-12         | <b>Revision:</b><br>1.0.1   |
|  | <b>Sheet Path:</b>                             |  |  | <b>Reviewer:</b>                   | <b>Size:</b><br>A3                 | <b>Sheet:</b><br>3 of 10    |

|        | 1   | 2                   | 3      | 4          | 5                                       | 6                                 | 7                           | 8                           |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
|--------|---|---------------------|--------|------------|---|-----------------------------------|-----------------------------|-----------------------------|----------------------|-------|-----------|--------|------------|------------------|-----------|---|---|--------------------|------|-------|-------------|------------|---|---|--------------------|------|-------|-------------|------------|---|---|---------------------|------|-------|-------------|------------|--|---------|--|--|--|--|--|
| A      | <h1>Mainboard Fabrication Document</h1>   |                     |        |            |   |                                   |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
| B      | <h2>Drill Drawing L1 - L4 (Scale 1:1)</h2>  |                     |        |            |   |                                   |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
| C      | <div><div><h3>Drill Table</h3><table><tr><th>Symbol</th><th>Count</th><th>Hole Size</th><th>Plated</th><th>Hole Shape</th><th>Drill Layer Pair</th><th>Hole Type</th></tr><tr><td>×</td><td>2</td><td>0,65mm (25,59mils)</td><td>NPTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Mechanical</td></tr><tr><td>○</td><td>1</td><td>2,20mm (86,61mils)</td><td>NPTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Mechanical</td></tr><tr><td>+</td><td>1</td><td>2,60mm (102,36mils)</td><td>NPTH</td><td>Round</td><td>F,Cu - B,Cu</td><td>Mechanical</td></tr><tr><td></td><td>Total 4</td><td></td><td></td><td></td><td></td><td></td></tr></table></div><div></div></div> |                     |        |            |   |                                   |                             |                             | Symbol               | Count | Hole Size | Plated | Hole Shape | Drill Layer Pair | Hole Type | × | 2 | 0,65mm (25,59mils) | NPTH | Round | F,Cu - B,Cu | Mechanical | ○ | 1 | 2,20mm (86,61mils) | NPTH | Round | F,Cu - B,Cu | Mechanical | + | 1 | 2,60mm (102,36mils) | NPTH | Round | F,Cu - B,Cu | Mechanical |  | Total 4 |  |  |  |  |  |
| Symbol | Count   | Hole Size           | Plated | Hole Shape | Drill Layer Pair                        | Hole Type                         |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
| ×      | 2   | 0,65mm (25,59mils)  | NPTH   | Round      | F,Cu - B,Cu                             | Mechanical                        |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
| ○      | 1   | 2,20mm (86,61mils)  | NPTH   | Round      | F,Cu - B,Cu                             | Mechanical                        |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
| +      | 1   | 2,60mm (102,36mils) | NPTH   | Round      | F,Cu - B,Cu                             | Mechanical                        |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
|        | Total 4   |                     |        |            |   |                                   |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
| D      |   |                     |        |            |   |                                   |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
| E      |   |                     |        |            |   |                                   |                             |                             |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
| F      | 1   | 2                   | 3      | 4          | 5                                       | 6                                 | 7                           | 8                           |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
|        |   |                     |        |            | Comments:<br>PyroVision                 | Company:<br>PyroVision            |                             | Variant:<br>RELEASED        | Git Hash:<br>7d35ea0 |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
|        |   |                     |        |            |   | Board Name:<br>Mainboard          |                             | Project Name:<br>PyroVision |                      |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
|        |   |                     |        |            | Sheet Title:<br>Drill Drawing (L1 - L4) | File Name:<br>Mainboard.kicad_pcb | Designer:<br>Daniel Kampert | Date:<br>2025-05-12         | Revision:<br>1.0.1   |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |
|        |   |                     |        |            | Sheet Path:                             |                                   | Reviewer:                   | Size:<br>A3                 | Sheet:<br>4 of 10    |       |           |        |            |                  |           |   |   |                    |      |       |             |            |   |   |                    |      |       |             |            |   |   |                     |      |       |             |            |  |         |  |  |  |  |  |

Mainboard Fabrication Document

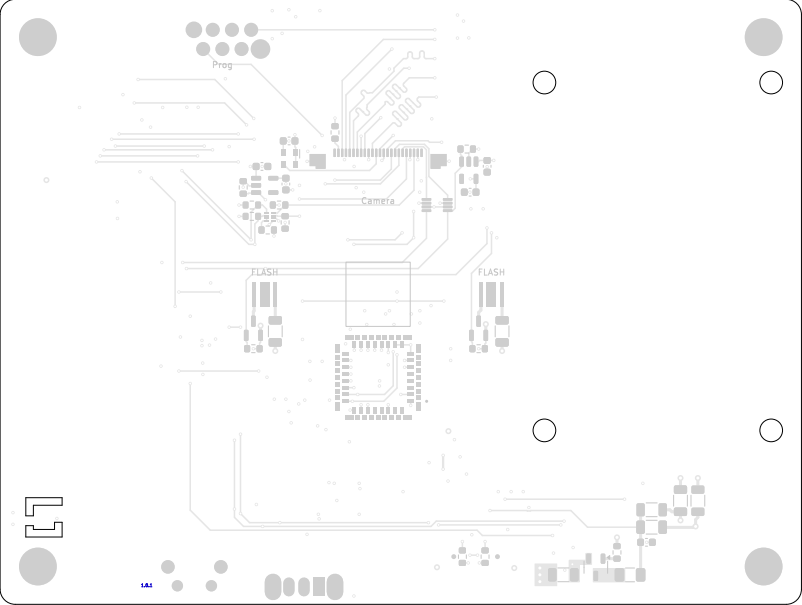
Top Test Points (Scale 1:1)

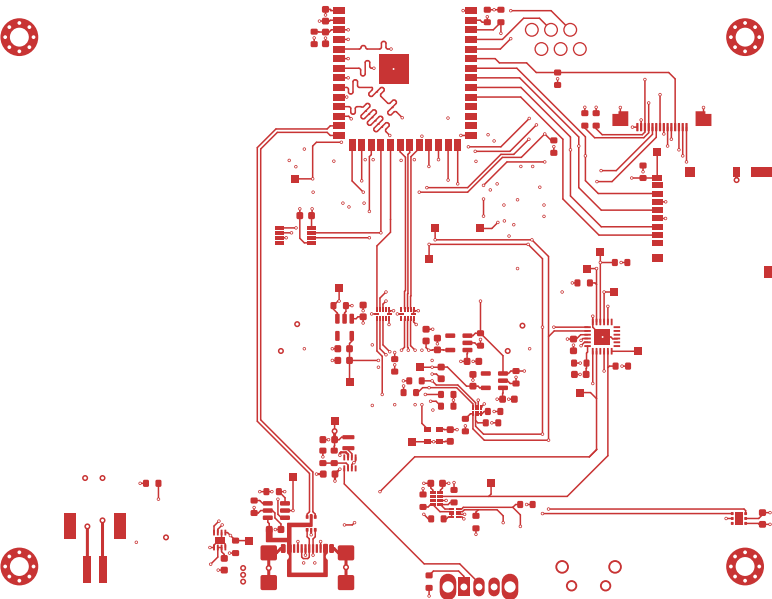


| Ref.   | Net             | X [mm] | Y [mm] |
|--------|-----------------|--------|--------|
| TP701  | Net-(IC702-OUT) | 42.10  | -68.62 |
| TP702  | Battery-Alert   | 36.30  | -77.00 |
| TP801  | Camera-2V8      | 66.80  | -35.73 |
| TP802  | Camera-1V5      | 42.40  | -29.16 |
| TP803  | +3V3            | 47.60  | -61.12 |
| TP804  | Lepton-3V0      | 57.90  | -63.92 |
| TP805  | Lepton-2V8      | 58.90  | -54.07 |
| TP806  | Lepton-1V2      | 49.57  | -56.02 |
| TP1101 | I2C-SDA         | 60.90  | -35.73 |
| TP1102 | I2C-SCL         | 60.10  | -39.82 |
| TP1103 | Camera-PWR      | 81.00  | -41.02 |
| TP1104 | Camera-Reset    | 82.75  | -38.82 |
| TP1105 | Lepton-PWR      | 48.20  | -43.62 |
| TP1106 | Lepton-Reset    | 84.60  | -44.12 |
| TP1107 | SD-CD           | 90.30  | -25.62 |
| TP1108 | RTC-INT         | 68.30  | -69.33 |
| TP1109 | Battery-Charge  | 80.10  | -57.42 |
| TP1110 | LED-Flash       | 87.80  | -51.96 |

| Ref. | Net | X [mm] | Y [mm] |
|------|-----|--------|--------|
|------|-----|--------|--------|

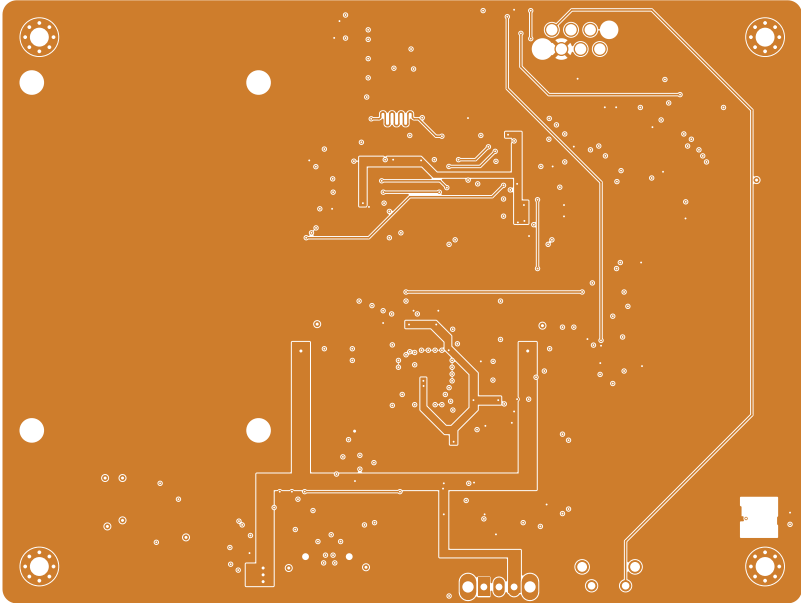
|  |   |                                   |                             |                             |                      |
|--|---|-----------------------------------|-----------------------------|-----------------------------|----------------------|
|  | Comments:<br>PyroVision                     | Company:<br>PyroVision            |                             | Variant:<br>RELEASED        | Git Hash:<br>7d35ea0 |
|  |   | Board Name:<br>Mainboard          |                             | Project Name:<br>PyroVision |                      |
|  | Sheet Title:<br>Top Test Points (Scale 1:1) | File Name:<br>Mainboard.kicad_pcb | Designer:<br>Daniel Kampert | Date:<br>2025-05-12         | Revision:<br>1.0.1   |
|  | Sheet Path:                                 |                                   | Reviewer:                   | Size:<br>A3                 | Sheet:<br>5 of 10    |

|   |  |   |   |   |   |   |   |  |
|---|--|---|---|---|---|---|---|--|
|   | 1  | 2 | 3 | 4 | 5 | 6   | 7   | 8  |
| A | Mainboard Fabrication Document   |   |   |   |   |   |   |  |
| B | Bottom Test Points (Scale 1:1)   |   |   |   |   |   |   |  |
| C |  |   |   |   |   |   |   |  |
| D |  |   |   |   |   |   |   |  |
| E |  |   |   |   |   |   |   |  |
| F |  |   |   |   |   | <div>Comments:</div> <div>PyroVision</div>                        | <div>Company:</div> <div>PyroVision</div> <div>Board Name:</div> <div>Mainboard</div>               | <div>Variant:</div> <div>RELEASED</div> <div>Project Name:</div> <div>PyroVision</div> |
|   |  |   |   |   |   | <div>Sheet Title:</div> <div>Bottom Test Points (Scale 1:1)</div> | <div>File Name:</div> <div>Mainboard.kicad_pcb</div> <div>Designer:</div> <div>Daniel Kampert</div> | <div>Date:</div> <div>2025-05-12</div> <div>Revision:</div> <div>1.0.1</div>           |
|   |  |   |   |   |   | <div>Sheet Path:</div>  | <div>Reviewer:</div>  | <div>Size:</div> <div>A3</div> <div>Sheet:</div> <div>6 of 10</div>                    |
|   | 1  | 2 | 3 | 4 | 5 | 6   | 7   | 8  |

|  |                                  |  |                                   |  |                             |                             |                      |  |                    |  |
|--|----------------------------------|--|-----------------------------------|--|-----------------------------|-----------------------------|----------------------|--|--------------------|--|
| Mainboard Fabrication Document   |                                  |  |                                   |  |                             |                             |                      |  |                    |  |
| F.Cu (Scale 1:1)   |                                  |  |                                   |  |                             |                             |                      |  |                    |  |
|  |                                  |  |                                   |  |                             |                             |                      |  |                    |  |
|  | Comments:<br>PyroVision          |  | Company:<br>PyroVision            |  | Variant:<br>RELEASED        |                             | Git Hash:<br>7d35ea0 |  |                    |  |
|  |                                  |  | Board Name:<br>Mainboard          |  |                             | Project Name:<br>PyroVision |                      |  |                    |  |
|  | Sheet Title:<br>F.Cu (Scale 1:1) |  | File Name:<br>Mainboard.kicad_pcb |  | Designer:<br>Daniel Kampert |                             | Date:<br>2025-05-12  |  | Revision:<br>1.0.1 |  |
|  | Sheet Path:                      |  |                                   |  | Reviewer:                   |                             | Size:<br>A3          |  | Sheet:<br>7 of 10  |  |

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|--------------------------------|--|---|---|---|--------------------|---------------------|----------------|
| 1                              | 2  | 3 | 4 | 5 | 6                  | 7                   | 8              |
| Mainboard Fabrication Document |  |   |   |   |                    |                     |                |
| A                              |  |   |   |   |                    |                     |                |
| B                              | Inner2 (Scale 1:1)   |   |   |   |                    |                     |                |
| C                              |  |   |   |   |                    |                     |                |
| D                              |  |   |   |   |                    |                     |                |
| E                              |  |   |   |   |                    |                     |                |
| F                              |  |   |   |   | Comments:          |                     | Company:       |
|                                |  |   |   |   | PyroVision         |                     | PyroVision     |
|                                |  |   |   |   |                    |                     | Board Name:    |
|                                |  |   |   |   |                    |                     | Mainboard      |
| F                              |  |   |   |   | Sheet Title:       | File Name:          | Designer:      |
|                                |  |   |   |   | Inner2 (Scale 1:1) | Mainboard.kicad_pcb | Daniel Kampert |
|                                |  |   |   |   | Sheet Path:        |                     | Reviewer:      |
| F                              | F  | F | F | F | F                  | F                   | F              |
| 1                              | 2  | 3 | 4 | 5 | 6                  | 7                   | 8              |

