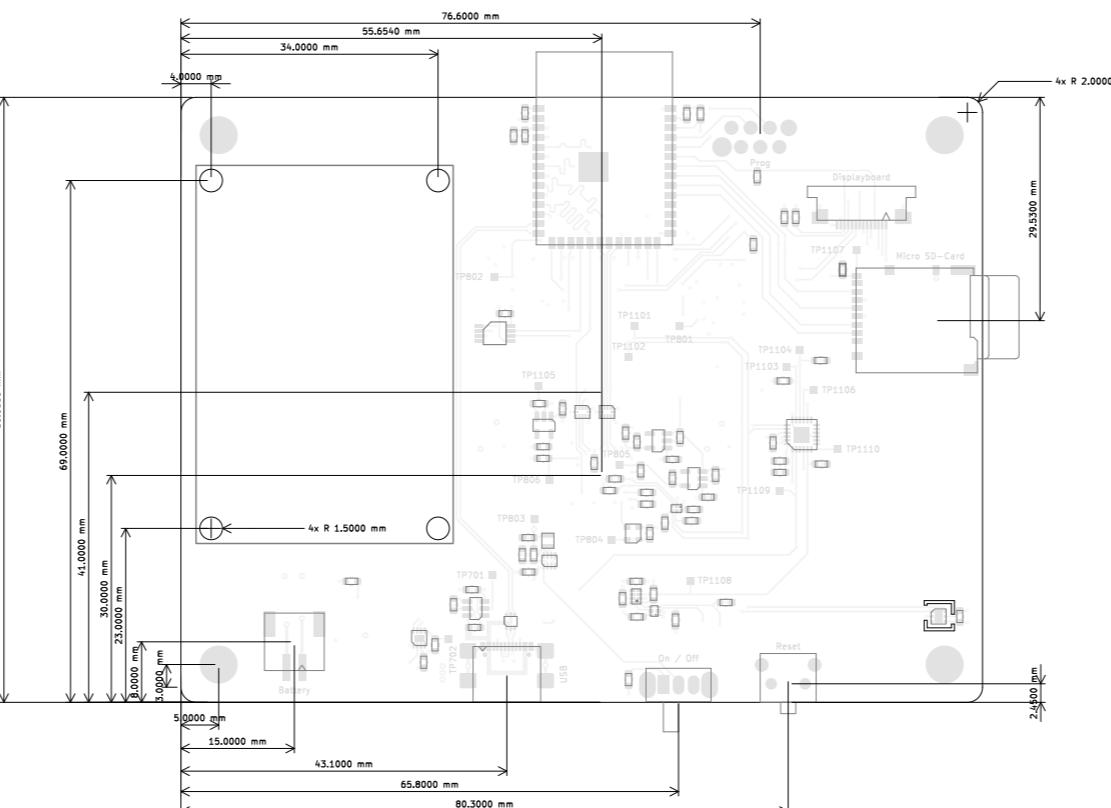


Mainboard Fabrication Document

| 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) | FR4 | Signal | GBR |
| | Core | 0.196mm | | Dielectric | |
| Copper | Inner1 (GND) | 0.035mm (1.00oz) | FR4 | Plane | GBR |
| | Prepreg | 1.03mm | | Dielectric | |
| Copper | Inner2 | 0.035mm (1.00oz) | FR4 | Plane | GBR |
| | Core | 0.196mm | | Dielectric | |
| Copper | B.Cu | 0.035mm (1.00oz) | FR4 | 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)



FABRICATION NOTES (UNLESS OTHERWISE SPECIFIED)

- 1) FABRICATE PER IPC-6012A CLASS 2.
- 2) OUTLINE DEFINED IN SEPARATE GERBER FILE WITH "Edge_Cuts.GBR" SUFFIX.
- 3) DIMENSIONS OF CIRCUMSIZED RECTANGLE SHOWN ON THIS DRAWING FOR REFERENCE ONLY.
- 3) SEE SEPARATE DRILL FILES WITH ".DRL" SUFFIX FOR HOLE LOCATIONS.
- 4) SELECTED HOLE LOCATIONS SHOWN ON THIS DRAWING FOR REFERENCE ONLY.
- 4) SURFACE FINISH: HAL LEAD-FREE
- 5) SOLDERMASK ON BOTH SIDES OF THE BOARD SHALL BE LPI, COLOR WHITE.
- 6) SILK SCREEN LEGEND TO BE APPLIED PER LAYER STACKUP USING BLACK NON-CONDUCTIVE EPOXY INK.
- 7) ALL VIAS ARE TENTED ON BOTH SIDES UNLESS SOLDERMASK OPENED IN GERBER.
- 8) VENDOR SHOULD FOLLOW ROHS COMPLIANT PROCESS AND PI FREE FOR MANUFACTURING
- 9) PCB MATERIAL REQUIREMENTS:

- A. FLAMMABILITY RATING MUST MEET OR EXCEED UL94V-0 REQUIREMENTS.
- B. Tg 150 C OR EQUIVALENT.
- C. EQUIVALENT MATERIAL SHALL BE RoHS COMPLIANT, HALOGEN FREE AND APPROVED BY NULL.

10) DESIGN GEOMETRY MINIMUM FEATURE SIZES:

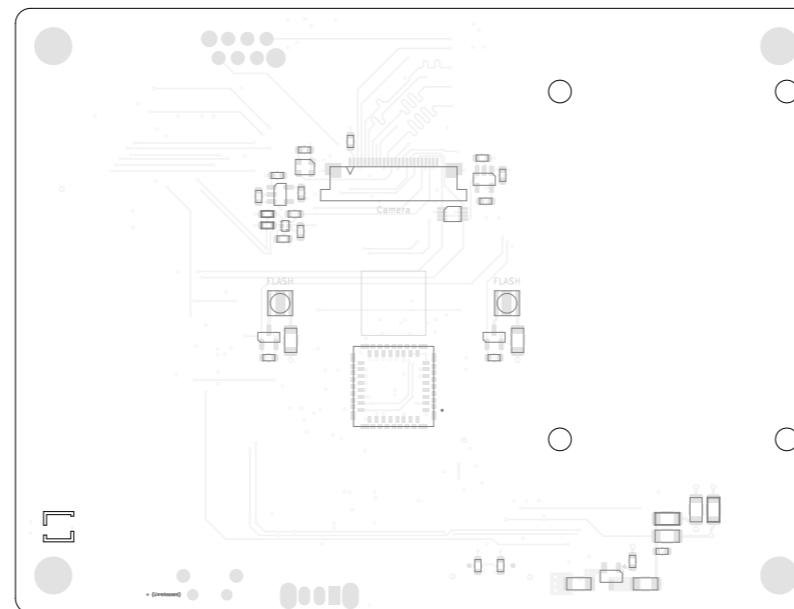
| | |
|------------------|---------------------|
| BOARD SIZE | 106.000 x 80.000 mm |
| BOARD THICKNESS | 1.582 mm |
| TRACE WIDTH | 0.200 mm |
| TRACE TO TRACE | -0.000 mm |
| MIN. HOLE (PTH) | 0.250 mm |
| MIN. HOLE (NPTH) | 0.650 mm |
| ANNULAR RING | 0.100 mm |
| COPPER TO HOLE | 0.125 mm |
| COPPER TO EDGE | 0.125 mm |
| HOLE TO HOLE | 0.250 mm |

All dimensions are in millimeters unless otherwise specified.

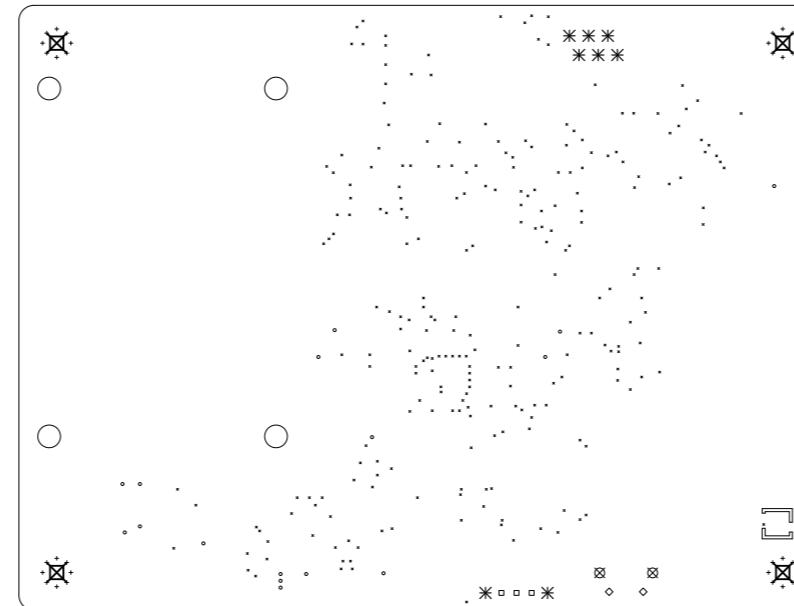
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| Comments: PyroVision | Company: PyroVision | Variant: PRELIMINARY | Git Hash: 1e4f42 |
| Board Name: Mainboard | Project Name: PyroVision | | |
| Sheet Title: Top Fabrication (Scale 1:1) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 Revision: + (Unreleased) |
| Sheet Path: | Reviewer: | Size: A3 | Sheet: 1 of 10 |

Mainboard Fabrication Document

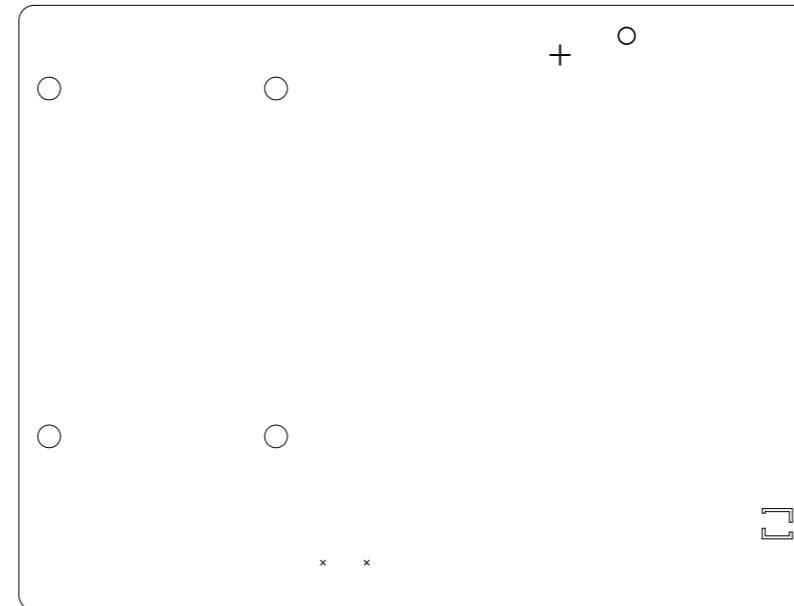
Bottom Fabrication (Scale 1:1)



| | | | |
|--|--|---|--|
| Comments: PyroVision | Company: PyroVision | Variant: PRELIMINARY | Git Hash: 1e4f4f2 |
| | Board Name: Mainboard | Project Name: PyroVision | |
| Sheet Title: Bottom Fabrication (Scale 1:1) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 Revision: + (Unreleased) |
| Sheet Path: | All dimensions are in millimeters unless otherwise specified. A3 | Reviewer: All dimensions are in millimeters unless otherwise specified. A3 | Size: 2 of 10 |

Mainboard Fabrication Document**Drill Drawing L1 - L4 (Scale 1:1)**

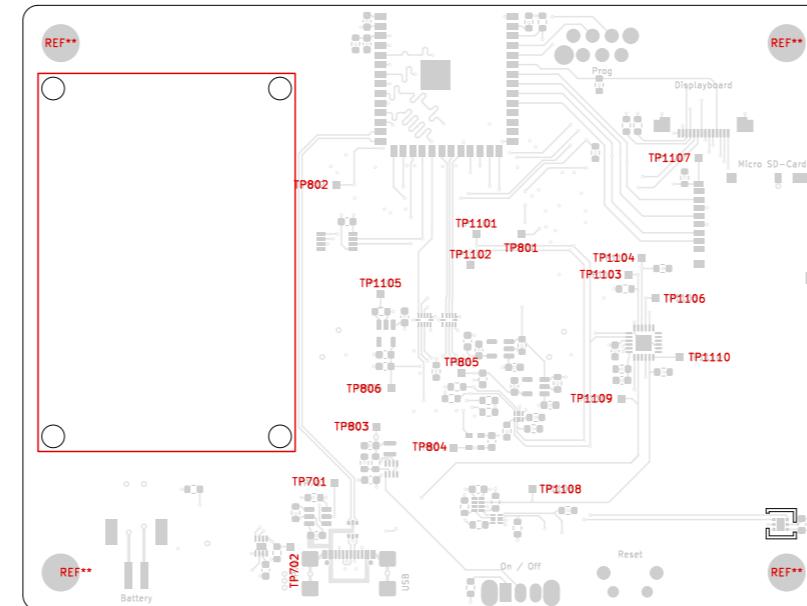
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| | Board Name: Mainboard | Project Name: PyroVision | | |
| | Sheet Title: Drill Drawing (L1 - L4) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 Revision: + (Unreleased) |
| | Sheet Path: | | Reviewer: | Size: A3 Sheet: 3 of 10 |

Mainboard Fabrication Document**Drill Drawing L1 - L4 (Scale 1:1)**

| | | | | |
|--|---|------------------------------------|-----------------------------|--|
| | Comments: PyroVision | Company: PyroVision | Variant: PRELIMINARY | Git Hash: 1e4f4f2 |
| | Board Name: Mainboard | Project Name: PyroVision | | |
| | Sheet Title: Drill Drawing (L1 - L4) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 + (Unreleased) |
| | Sheet Path: | | Reviewer: | Size: A3 Sheet: 4 of 10 |

Mainboard Fabrication Document

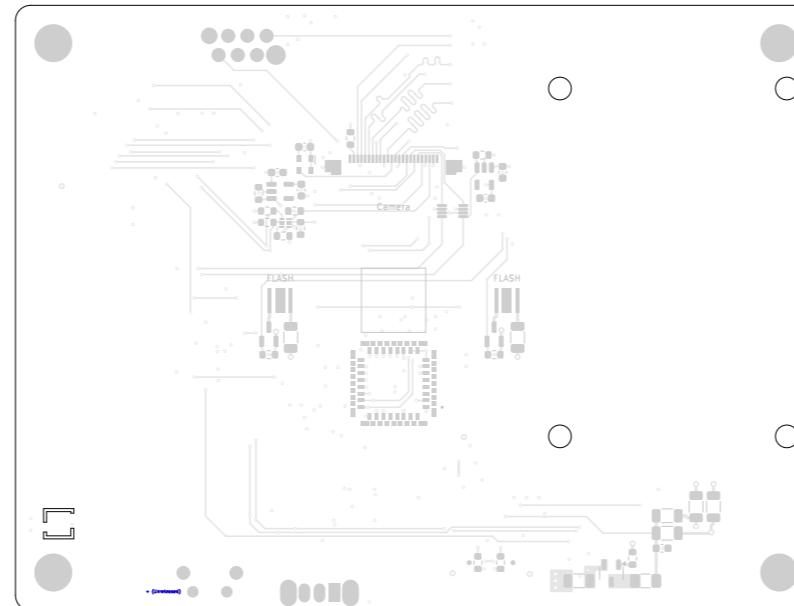
Top Test Points (Scale 1:1)



| | | | | |
|---|-----------------------------------|------------------------------------|-------------------------|-----------------------------|
| | Comments: PyroVision | Company: PyroVision | Variant: PRELIMINARY | Git Hash: 1e4f4f2 |
| | Board Name: Mainboard | Project Name: PyroVision | | |
| Sheet Title: Top Test Points (Scale 1:1) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 | Revision: + (Unreleased) |
| Sheet Path: | Reviewer: | | Size: A3 | Sheet: 5 of 10 |

Mainboard Fabrication Document

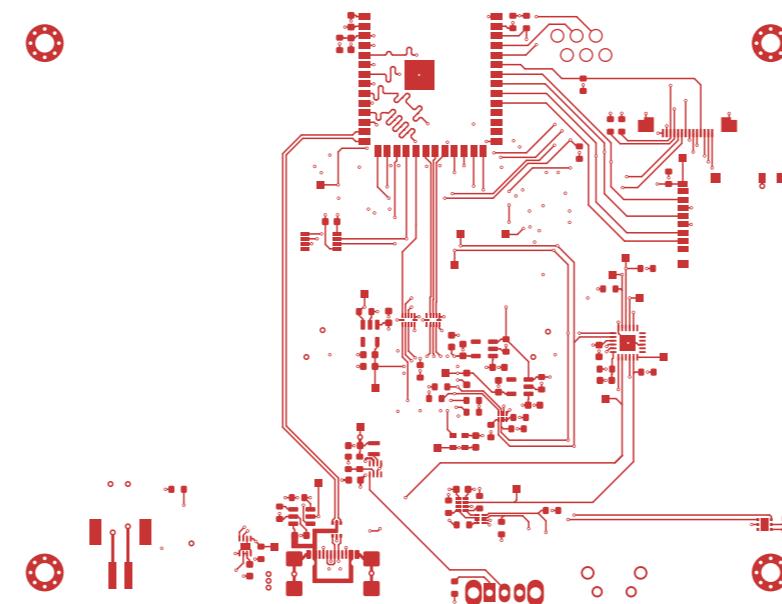
Bottom Test Points (Scale 1:1)



| | | | | |
|--|--|------------------------------------|-----------------------------|--|
| | Comments: PyroVision | Company: PyroVision | Variant: PRELIMINARY | Git Hash: 1e4f4f2 |
| | Board Name: Mainboard | Project Name: PyroVision | | |
| | Sheet Title: Bottom Test Points (Scale 1:1) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 Revision: + (Unreleased) |
| | Sheet Path: | Reviewer: | | Size: A3 Sheet: 6 of 10 |

Mainboard Fabrication Document

F.Cu (Scale 1:1)



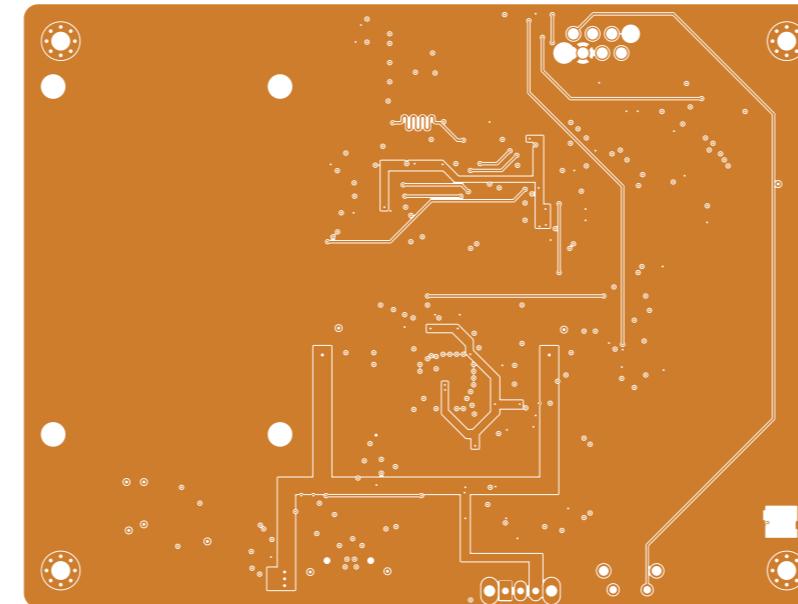
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| | | Board Name: Mainboard | Project Name: PyroVision | |
| | Sheet Title: F.Cu (Scale 1:1) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 Revision: + (Unreleased) |
| | | Sheet Path: | Reviewer: | Size: A3 Sheet: 7 of 10 |

Mainboard Fabrication Document**Inner1 (GND) (Scale 1:1)**

| | | | | |
|--|--|------------------------------------|-----------------------------|--|
| | Comments: PyroVision | Company: PyroVision | Variant: PRELIMINARY | Git Hash: 1e4f4f2 |
| | Board Name: Mainboard | Project Name: PyroVision | | |
| | Sheet Title: Inner1 (GND) (Scale 1:1) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 Revision: (Unreleased) |
| | Sheet Path: | | Reviewer: | Size: A3 Sheet: 8 of 10 |

Mainboard Fabrication Document

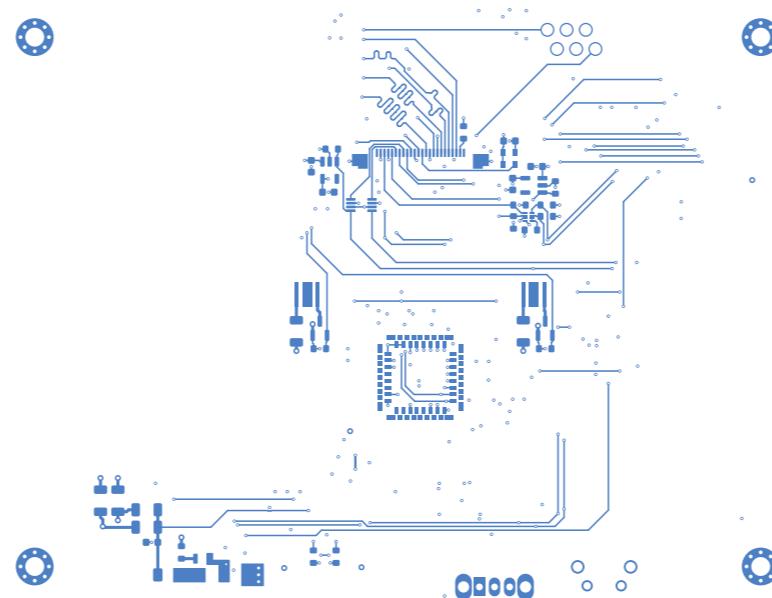
Inner2 (Scale 1:1)



| | | | | |
|--|------------------------------------|------------------------------------|-----------------------------|--|
| | Comments: PyroVision | Company: PyroVision | Variant: PRELIMINARY | Git Hash: 1e4f4f2 |
| | Board Name: Mainboard | Project Name: PyroVision | | |
| | Sheet Title: Inner2 (Scale 1:1) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 Revision: + (Unreleased) |
| | Sheet Path: | | Reviewer: | Size: A3 Sheet: 9 of 10 |

Mainboard Fabrication Document

B.Cu (Scale 1:1)



| | | | | |
|--|---|------------------------------------|-----------------------------|--|
| | Comments: PyroVision | Company: PyroVision | Variant: PRELIMINARY | Git Hash: 1e4f4f2 |
| | Board Name: Mainboard | Project Name: PyroVision | | |
| | Sheet Title: B.Cu (Scale 1:1) | File Name: Mainboard.kicad_pcb | Designer: Daniel Kampert | Date: 2025-05-12 + (Unreleased) |
| | Sheet Path: | | Reviewer: | Size: A3 Sheet: 10 of 10 |