

Mainboard Fabrication Document

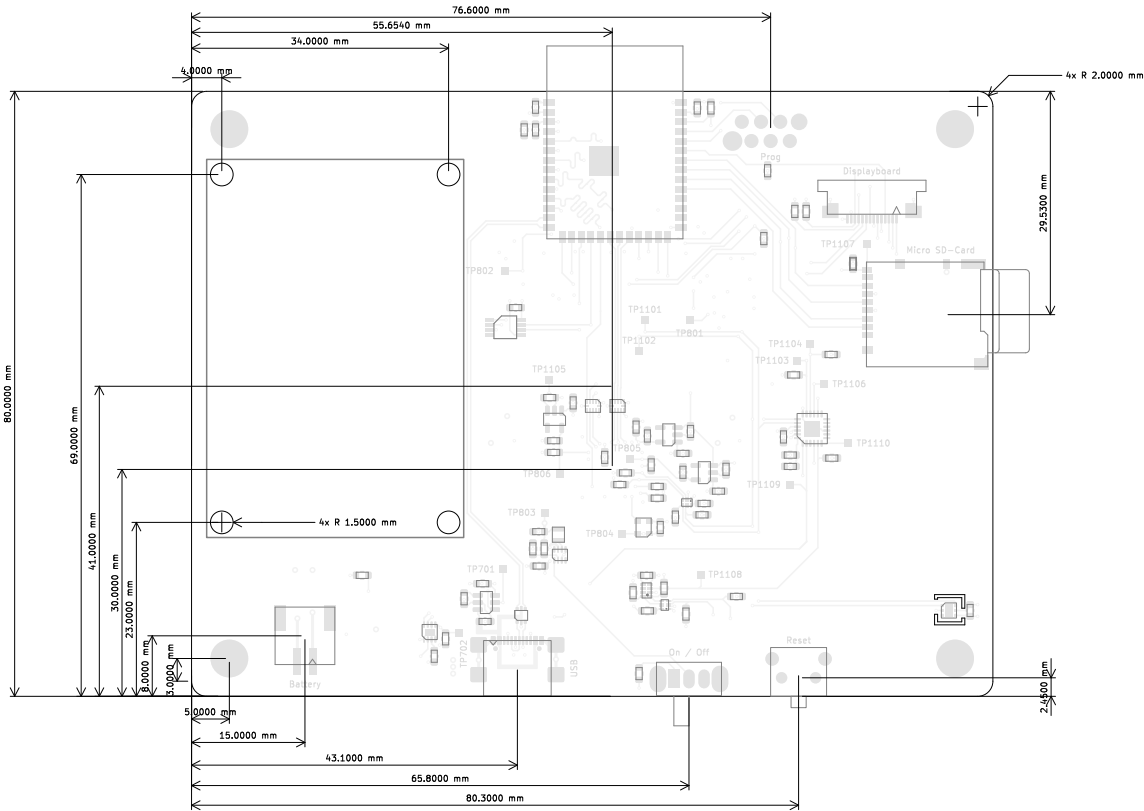
	Material	Layer	Thickness	Dielectric	Type	Gerber
		F,Paste			Paste Mask	
		F,Silkscreen			Legend	GBR
		F.Mask	0,01mm		Solder Mask	GBR
	Copper	F,Cu	0,035mm (1,00oz)		Signal	GBR
	Core		0,196mm	FR4	Dielectric	
	Copper	Inner1 (GND)	0,035mm (1,00oz)		Plane	GBR
	Prepreg		1,03mm	FR4	Dielectric	
	Copper	Inner2	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
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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 NULL.
- DESIGN GEOMETRY MINIMUM FEATURE SIZES:

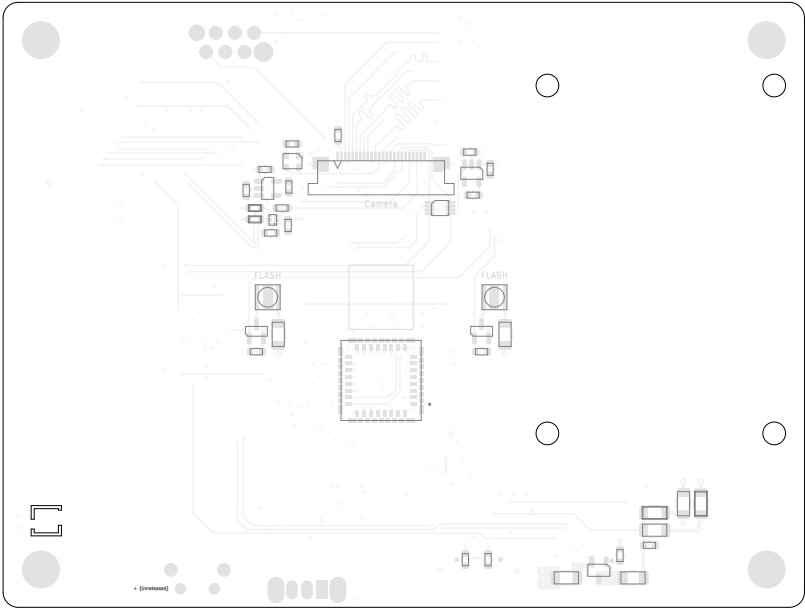
BOARD SIZE	106,000 × 80,000 mm
BOARD THICKNESS	1,582 mm
TRACE WIDTH	0,200 mm
TRACE TO TRACE	-0,000 mm
MIN. HOLE (PTH)	0,250 mm
MIN. HOLE (NPTH)	0,650 mm
ANNULAR RING	0,100 mm
COPPER TO HOLE	0,125 mm
COPPER TO EDGE	0,125 mm
HOLE TO HOLE	0,250 mm

All dimensions are in millimeters unless otherwise specified.

Comments: PyroVision	Company: PyroVision		Variant: PRELIMINARY	Git Hash: 1c4f4f2
	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

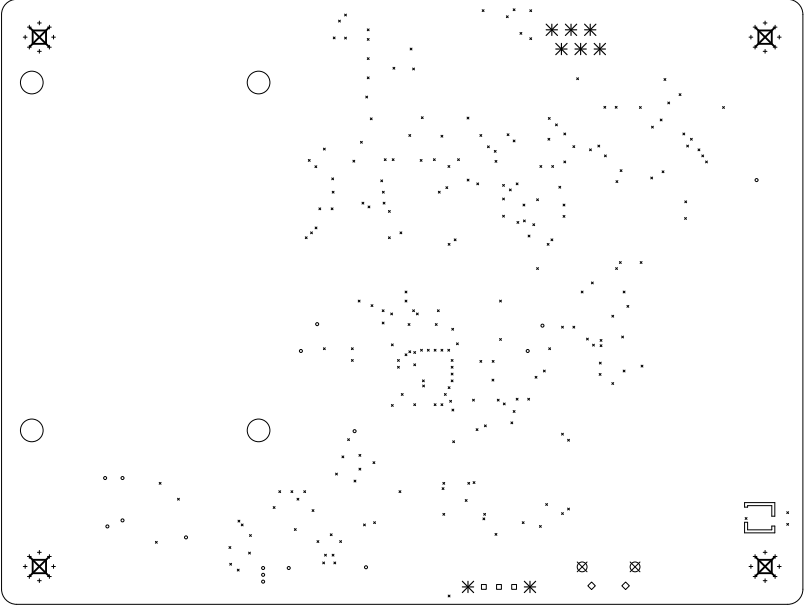
Mainboard Fabrication Document

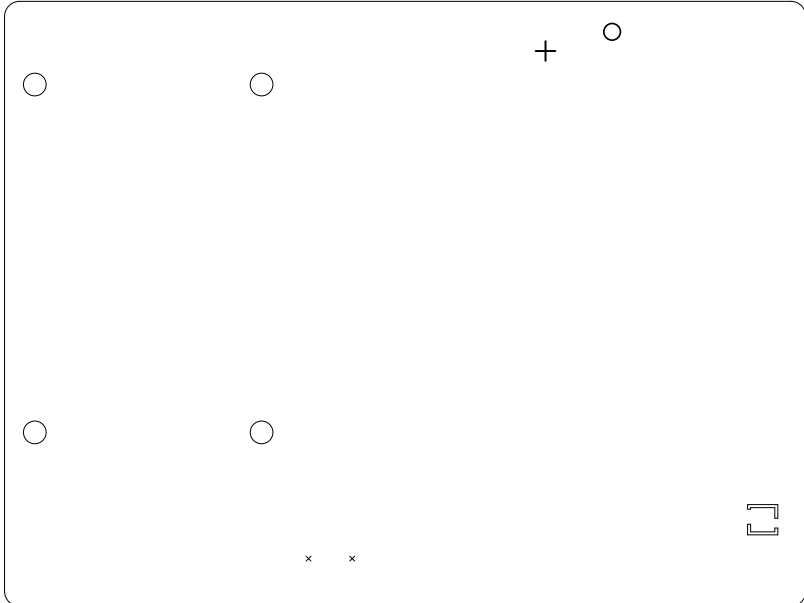
Bottom Fabrication (Scale 1:1)



	Comments: PyroVision	Company: PyroVision		Variant: PRELIMINARY	Git Hash: 1c4f4f2
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	Sheet Title: Bottom Fabrication (Scale 1:1)	File Name: Mainboard.kicad_pcb	Designer: Daniel Kampert	Date: 2025-05-12	Revision: + (Unreleased)
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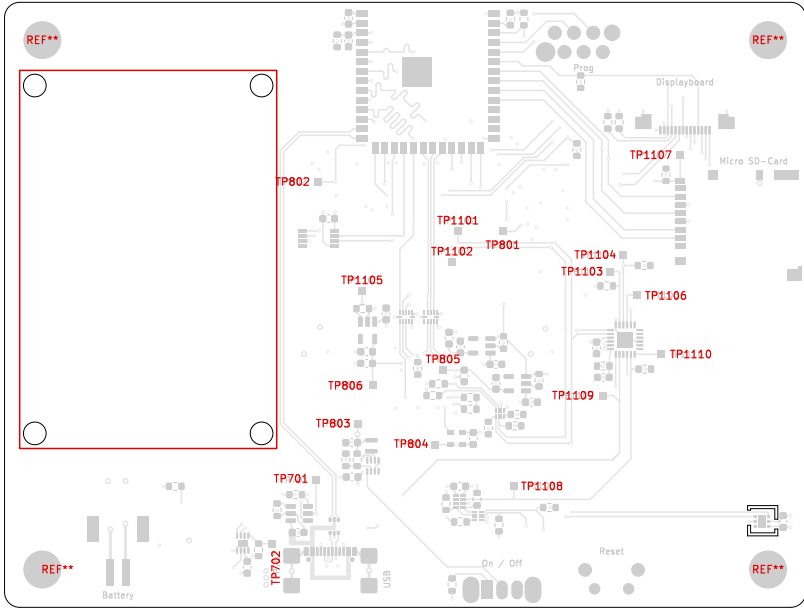
All dimensions are in millimeters unless otherwise specified.

	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								
D								
E								
F						<div><div>Comments:</div><div>PyroVision</div></div>	<div><div>Company:</div><div>PyroVision</div></div> <div><div>Board Name:</div><div>Mainboard</div></div>	<div><div>Variant:</div><div>PRELIMINARY</div></div> <div><div>Project Name:</div><div>PyroVision</div></div>
						<div><div>Sheet Title:</div><div>Drill Drawing (L1 - L4)</div></div>	<div><div>File Name:</div><div>Mainboard.kicad_pcb</div></div> <div><div>Designer:</div><div>Daniel Kampert</div></div>	<div><div>Date:</div><div>2025-05-12</div></div> <div><div>Revision:</div><div>+ (Unreleased)</div></div>
						<div><div>Sheet Path:</div></div>	<div><div>Reviewer:</div></div>	<div><div>Size:</div><div>A3</div></div> <div><div>Sheet:</div><div>3 of 10</div></div>
	1	2	3	4	5	6	7	8

Mainboard Fabrication Document											
Drill Drawing L1 - L4 (Scale 1:1)											
											
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							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	+ (Unreleased)				
Sheet Path:				Reviewer:		Size:	Sheet:				
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Mainboard Fabrication Document

Top Test Points (Scale 1:1)

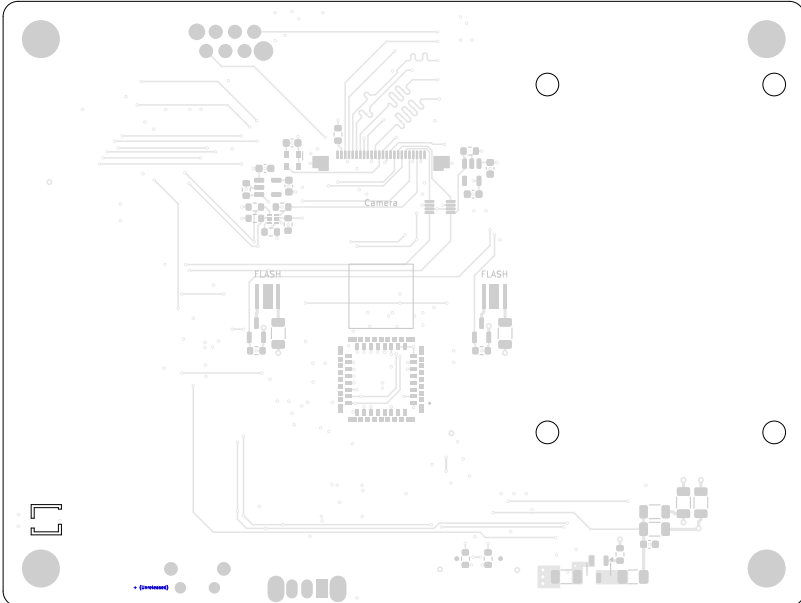


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		Board Name: Mainboard		Project Name: PyroVision	
	Sheet Title: Top Test Points (Scale 1:1)	File Name: Mainboard.kicad_pcb	Designer: Daniel Kampert	Date: 2025-05-12	Revision: + (Unreleased)
	Sheet Path:		Reviewer:	Size: A3	Sheet: 5 of 10

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A

Bottom Test Points (Scale 1:1)



Comments:PyroVision

Sheet Title:Bottom Test Points (Scale 1:1)

Sheet Path:

Company:PyroVision

Board Name:Mainboard

File Name:Mainboard.kicad_pcb

Designer:Daniel Kampert

Reviewer:

Variant:PRELIMINARY

Project Name:PyroVision

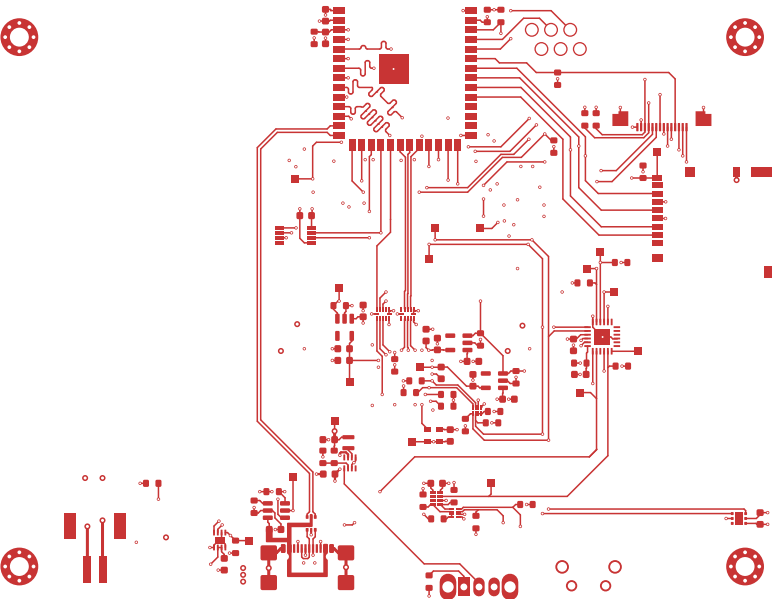
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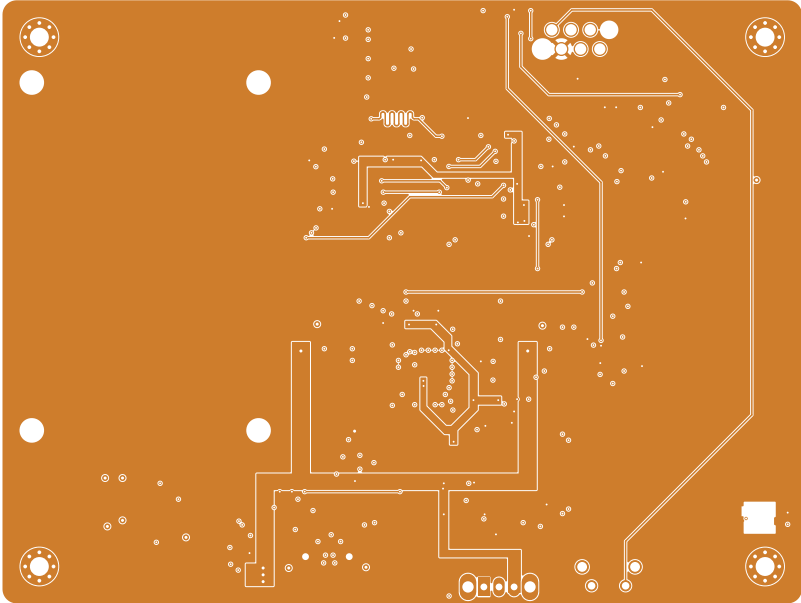
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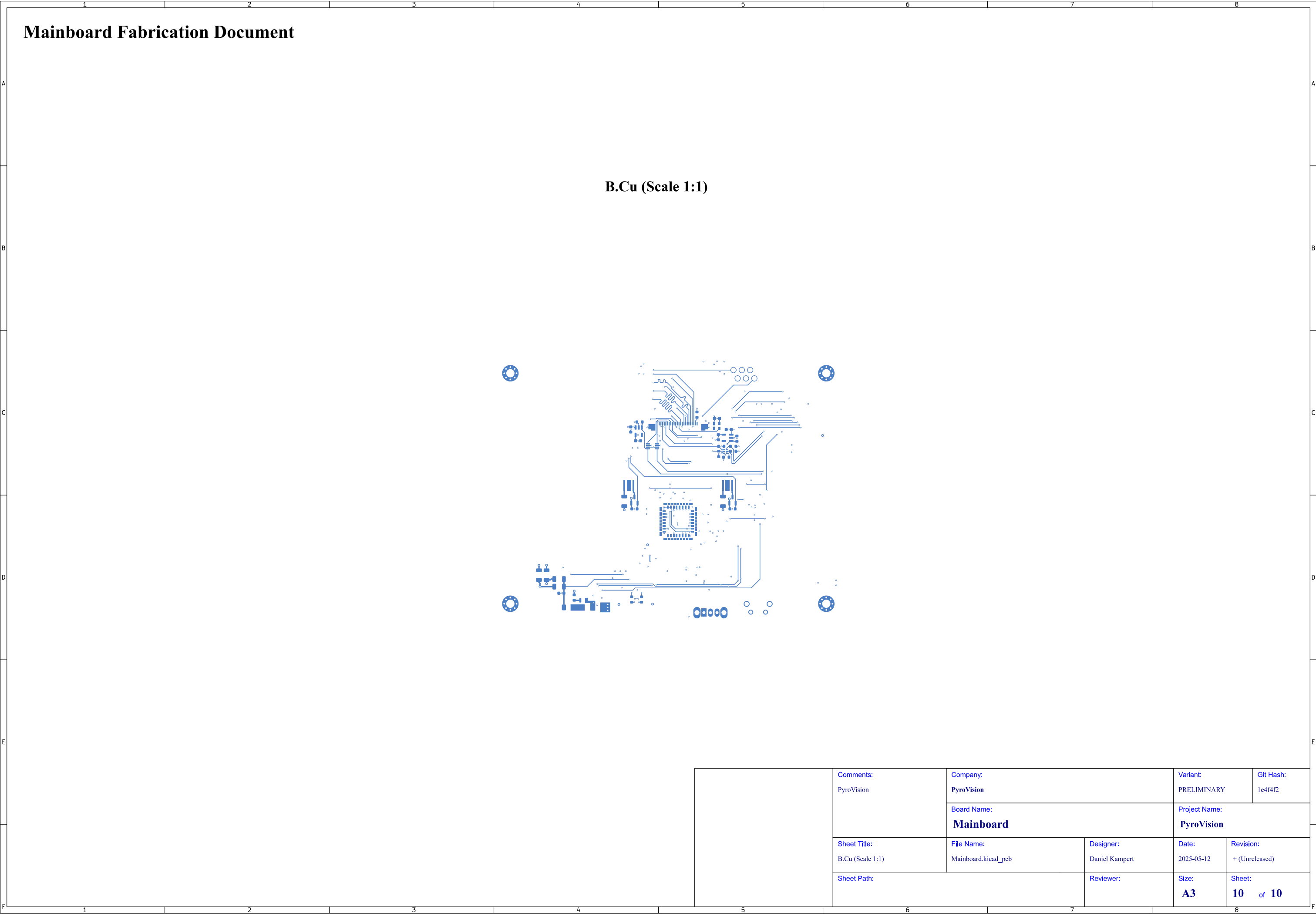
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Revision:+ (Unreleased)

Sheet:6 of 10

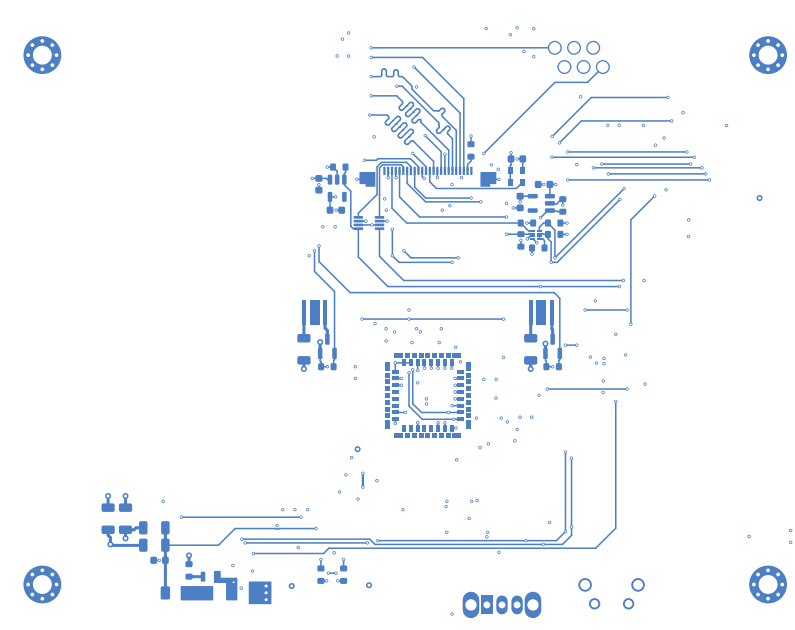
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F.Cu (Scale 1:1)								
								
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			Sheet Title: F.Cu (Scale 1:1)	File Name: Mainboard.kicad_pcb	Designer: Daniel Kampert	Date: 2025-05-12	Revision: + (Unreleased)	
			Sheet Path:		Reviewer:	Size: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

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Mainboard Fabrication Document							
A							
B	Inner2 (Scale 1:1)						
C							
D							
E							
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						PyroVision	
						Company:	
						PyroVision	
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						PRELIMINARY	
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F						Board Name:	
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						PyroVision	
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						Mainboard.kicad_pcb	
F						Designer:	
						Daniel Kampert	
						Date:	
						2025-05-12	
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F						Reviewer:	
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						A3	
F						Sheet:	
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1	2	3	4	5	6	7	8



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B.Cu (Scale 1:1)



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	PyroVision	PyroVision		PRELIMINARY	1c4f4f2
		Board Name:		Project Name:	
		Mainboard		PyroVision	
Sheet Title:	File Name:	Designer:	Date:	Revision:	
B.Cu (Scale 1:1)	Mainboard.kicad_pcb	Daniel Kampert	2025-05-12	+ (Unreleased)	
Sheet Path:	Reviewer:		Size:	Sheet:	
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