

Module

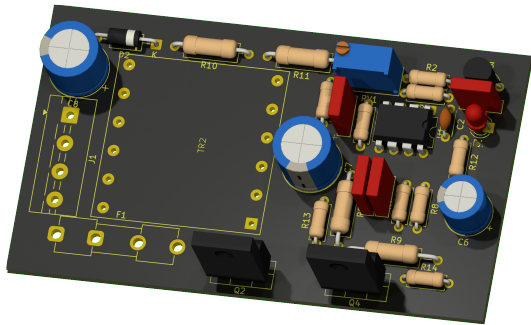
Rev + (Unreleased)

Variant: PRELIMINARY

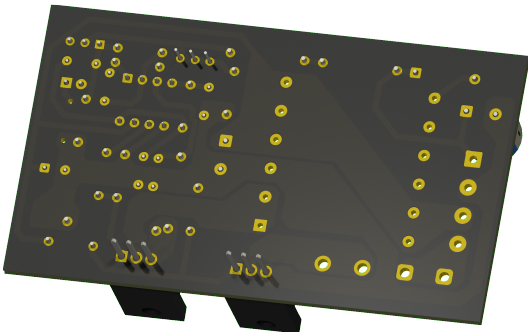
2025-12-13

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TOP VIEW



BOTTOM VIEW



NOTES

Comment

Not fitted components are marked as **X**

DRAFT - Early concept stage, schematic drafted.

PRELIMINARY - Minor schematic changes are expected, ready for layout planning.

CHECKED - DRC completed, schematic and layout ready for review.

RELEASED - Design ready for manufacturing.

Date: 13-Dec-2025

DESIGN CONSIDERATIONS

DESIGN NOTE:

Example text for informational design notes.

DESIGN NOTE:

Example text for debug notes.

DESIGN NOTE:

Example text for cautionary design notes.

DESIGN NOTE:

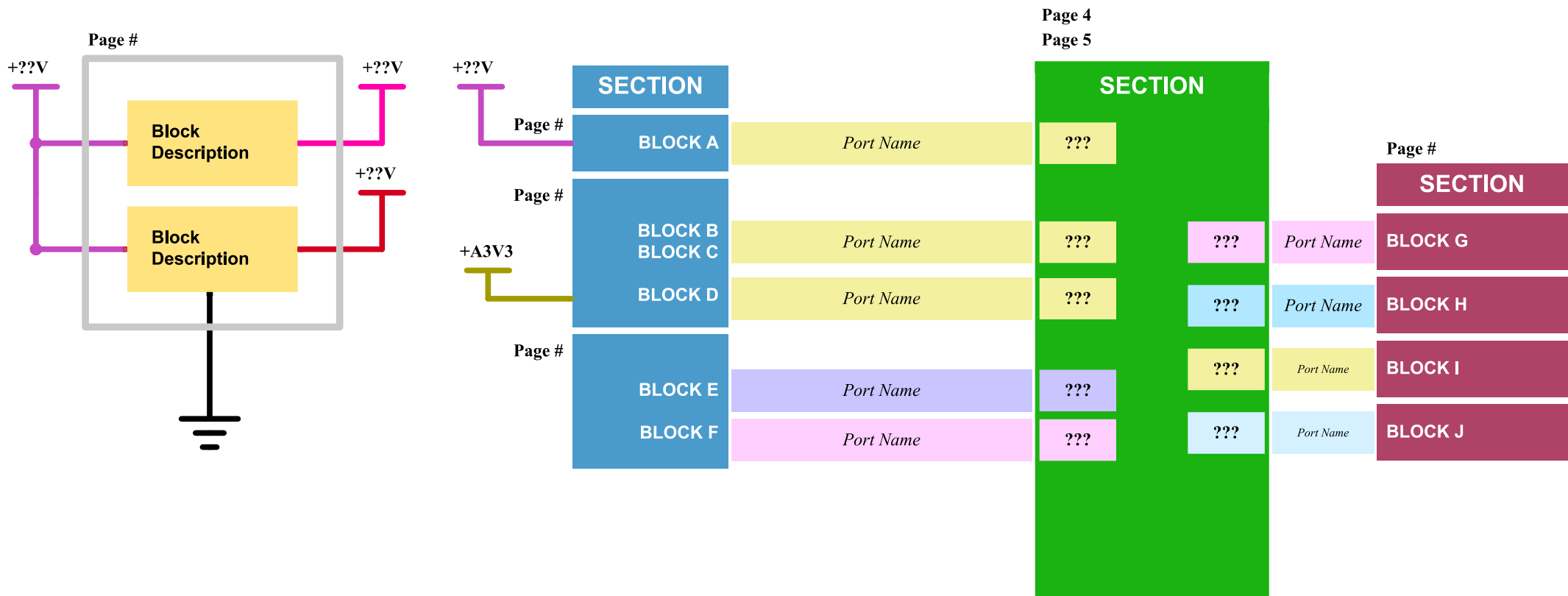
Example text for critical design notes.

LAYOUT NOTE:

Example text for critical layout guidelines.

	Comments:	Company:	Variant:	Git Hash:
		FR	PRELIMINARY	76a8903
		Board Name:	Project Name:	
	Sheet Title:	File Name:	Designer:	Date:
		StepUp_module_12to450V.kicad_sch	FR	2025-01-12
	Sheet Path:	Reviewer:	Size:	Revision:
	/		A3	+ (Unreleased)
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[2] Block Diagram



Target specifications:	
Input voltage:	?? - ?? V
Spec 2	??
Spec 3	??
Spec 4	??

	Comments:	Company: FR		Variant: PRELIMINARY	Git Hash: 76a8903
		Board Name: Module		Project Name: Alixp Step up module 12 to 450 V	
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)
Sheet Path: /Block Diagram/			Reviewer:	Size: A3	Sheet: 2 of 7

[3] Project Architecture

Description

Section A - Title A

Page 4

File: Section A - Title A.kicad_sch

Section B - Title B

Page 5

File: Section B - Title B.kicad_sch

Description

	Comments:	Company:		Variant:	Git Hash:
		Board Name:		Project Name:	
	Sheet Title:	File Name:	Designer:	Date:	Revision:
	Sheet Path:	Reviewer:		Size:	Sheet:

FR

PRELIMINARY

76a8903

Module

Alixp Step up module 12 to 15V

Project Architecture

Project Architecture.kicad_sch

FR

2025-01-12

+ (Unreleased)

/Project Architecture/

A3

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Section A - Title A

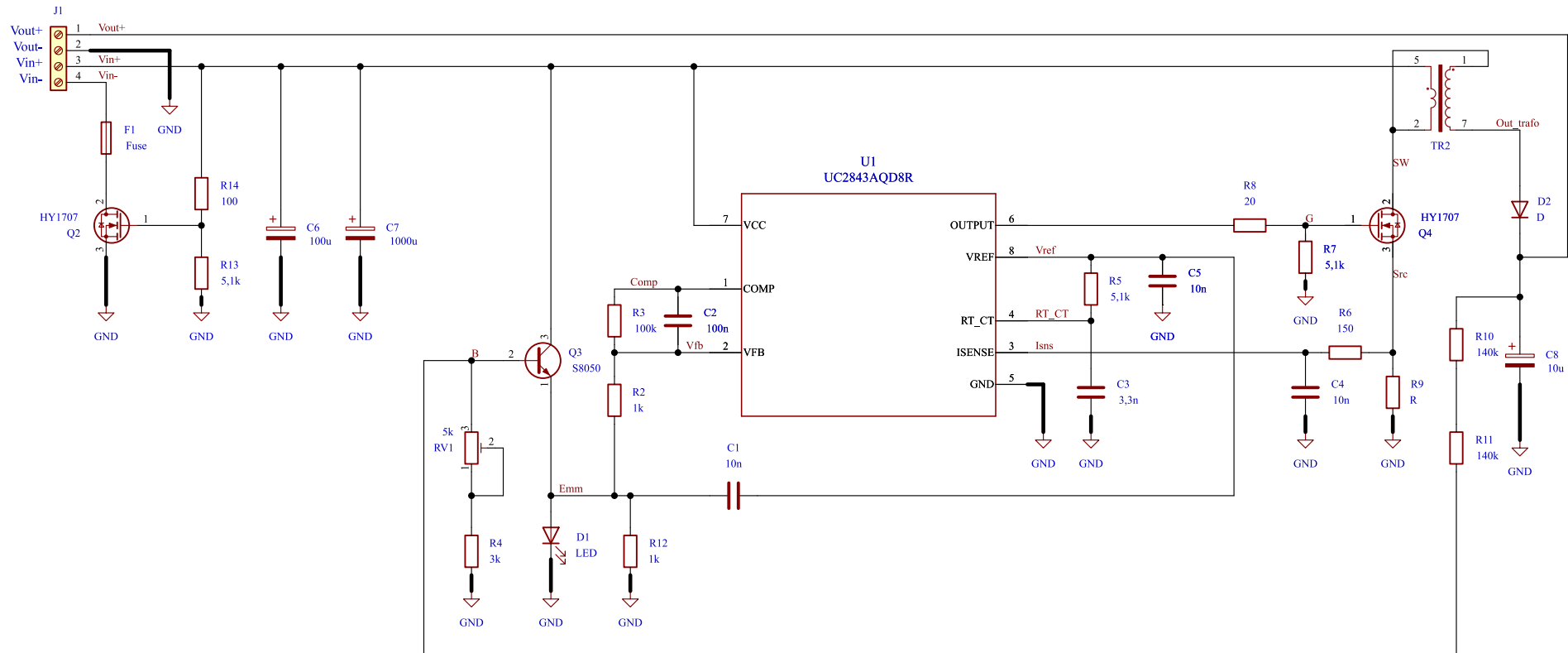
File: Section A - Title A.kicad_sch

Description

File: Section B - Title B.kicad_sch

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		FR		PRELIMINARY	76a8903
		Board Name:		Project Name:	
		Module		Alixp Step up module 12 to 450 V	
	Sheet Title:	File Name:	Designer:	Date:	Revision:
	Project Architecture	Project Architecture.kicad_sch	FR	2025-01-12	+ (Unreleased)
	Sheet Path:		Reviewer:	Size:	Sheet:
	/Project Architecture/			A3	3 of 7

[4] Sheet Title A



	Comments: AliExpress module	Company: FR		Variant: PRELIMINARY	Git Hash: 76a8903
		Board Name: Module		Project Name: Alixp Step up module 12 to 450 V	
	Sheet Title: Sheet Title A	File Name: Section A - Title A.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)
Sheet Path: /Project Architecture/Section A - Title A/			Reviewer:	Size: A4	Sheet: 4 of 7

[5] Sheet Title B

Block Description

DESIGN NOTE:
blabla

DESIGN NOTE:
blabla

LAYOUT NOTE:
blabla

Block Description

Block Description

Block Description

Block Description

Block Description

Block Description

Block Description

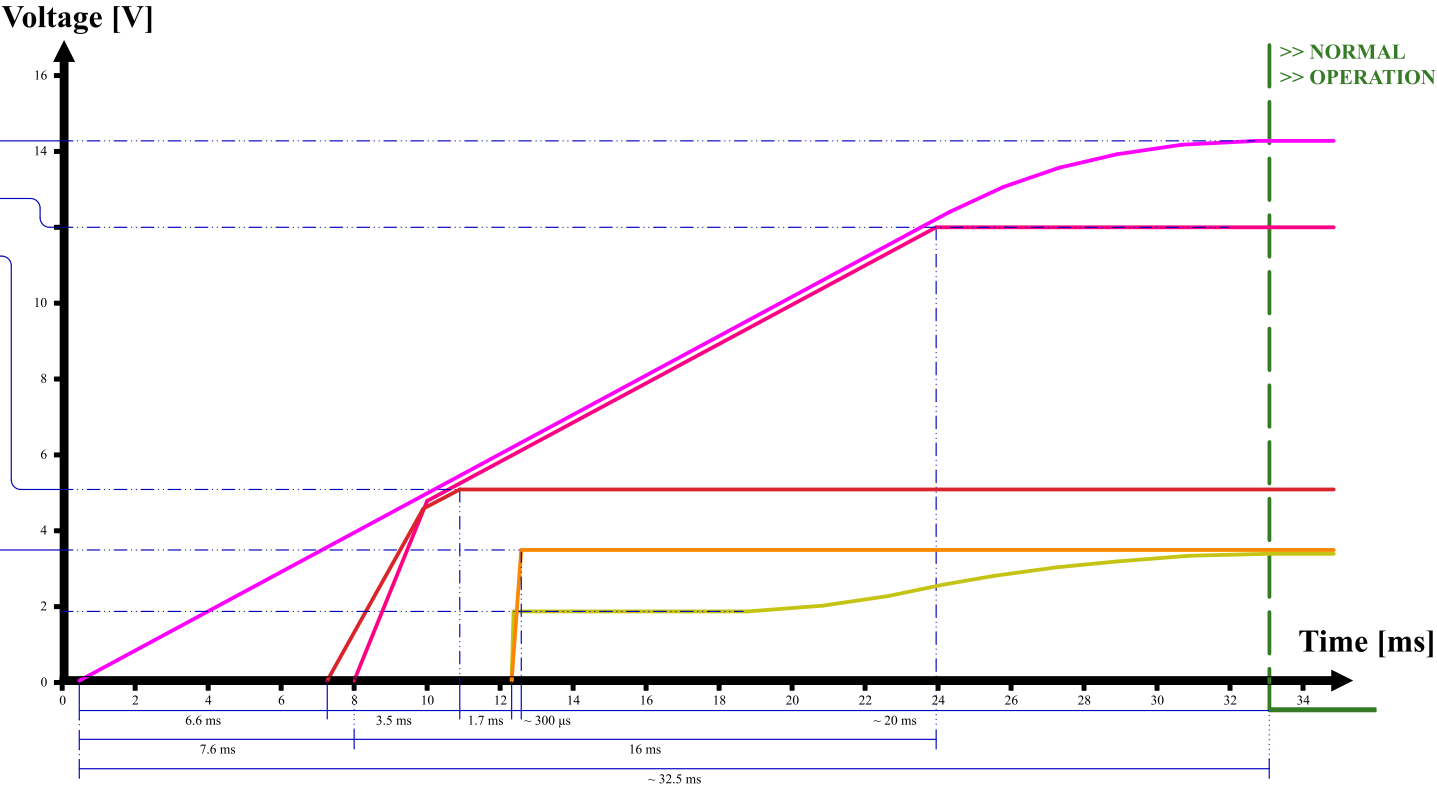
Block Description

Block Description

<div>Comments:</div> <div>References:</div> <div>Flexible I/O worked examples</div> <div>Flexible I/O source configuration</div>	<div>Company:</div> <div>FR</div>		<div>Variant:</div> <div>PRELIMINARY</div>	<div>Git Hash:</div> <div>76a8903</div>
	<div>Board Name:</div> <div>Module</div>	<div>Project Name:</div> <div>Alixp Step up module 12 to 450 V</div>		
<div>Sheet Title:</div> <div>Sheet Title B</div>	<div>File Name:</div> <div>Section B - Title B.kicad_sch</div>	<div>Designer:</div> <div>FR</div>	<div>Date:</div> <div>2025-01-12</div>	<div>Revision:</div> <div>+ (Unreleased)</div>
<div>Sheet Path:</div> <div>/Project Architecture/Section B - Title B/</div>		<div>Reviewer:</div>	<div>Size:</div> <div>A3</div>	<div>Sheet:</div> <div>5 of 7</div>

[6] Power - Sequencing

NAME	SOURCE	LEVEL
+V??	??	? - ? ± ??%
+V??	??	? - ? ± ??%
+V??	??	? - ? ± ??%
+V??	??	? - ? ± ??%
+V??	??	? - ? ± ??%



	Comments:	Company: FR	Variant: PRELIMINARY	Git Hash: 76a8903
		Board Name: Module	Project Name: Alixp Step up module 12 to 450 V	
	Sheet Title: Power - Sequencing	File Name: Power - Sequencing.kicad_sch	Designer: FR	Date: 2025-01-12
	Sheet Path: /Power - Sequencing/	Reviewer:	Size: A4	Revision: + (Unreleased)
			Sheet: 6 of 7	

[7] Revision History

	Comments:	Company:		Git Hash:	
		FR		PRELIMINARY 76a8903	
		Board Name:		Project Name:	
		Module		Alixp Step up module 12 to 450 V	
Sheet Title:	File Name:	Designer:	Date:	Revision:	
Revision History	Revision History.kicad_sch	FR	2025-01-12	+ (Unreleased)	
Sheet Path:		Reviewer:	Size:	Sheet:	
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