

Module

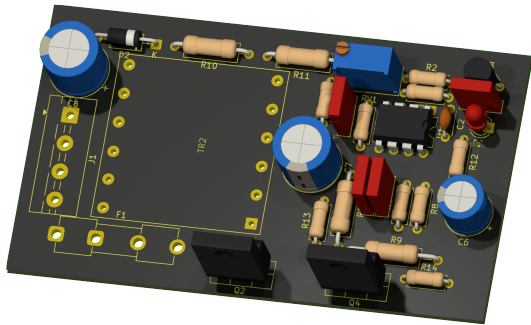
Rev + (Unreleased)

Variant: DRAFT

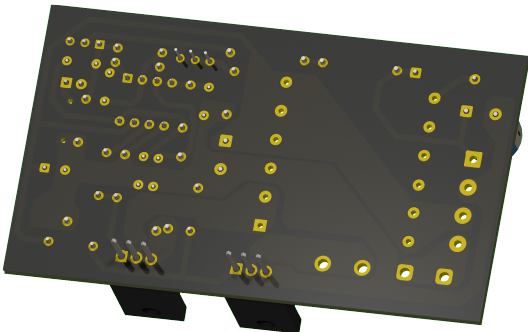
2025-12-12

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TOP VIEW



BOTTOM VIEW



NOTES

Comment

Not fitted components are marked as X

DRAFT - Very early stage of schematic, ignore details.
PRELIMINARY - Close to final schematic.
CHECKED - There shouldn't be any mistakes. Contact the engineer if you find any.
RELEASED - A board with this schematic has been sent to production.

Date: 12-Dec-2025

DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for
informational design
notes.

DESIGN NOTE:
Example text for
debug notes.

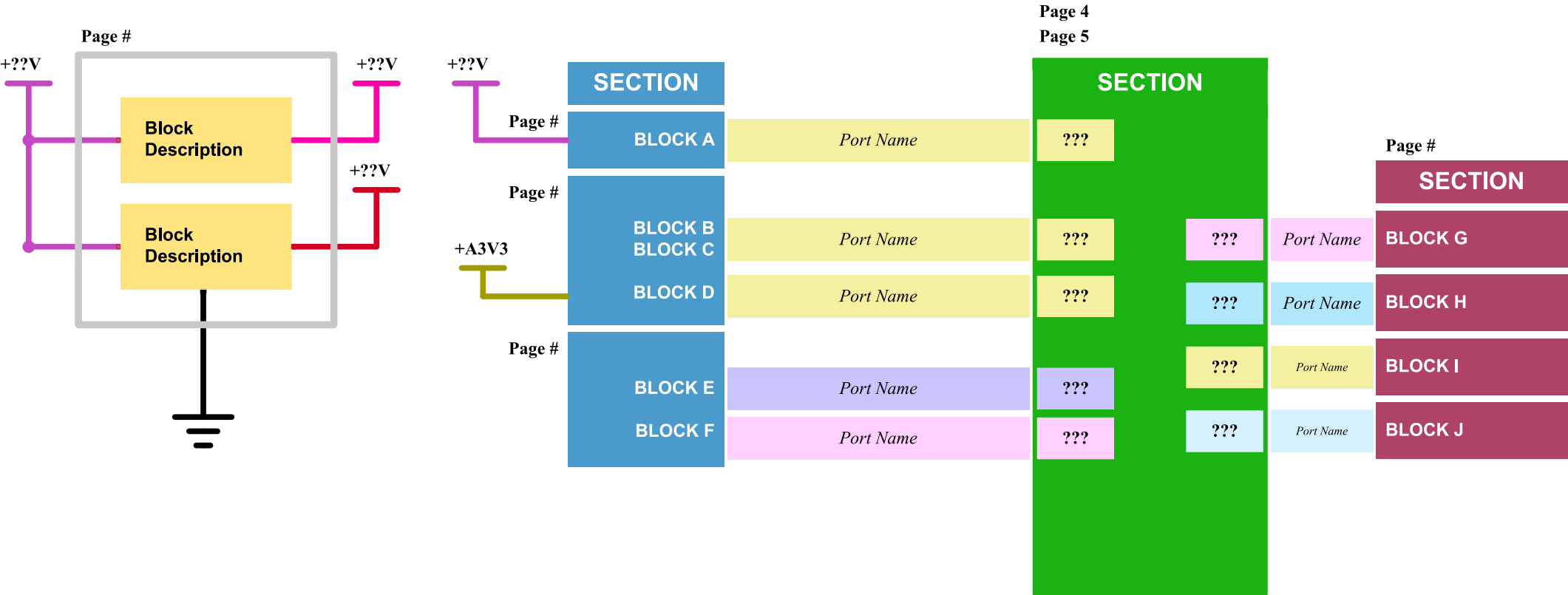
DESIGN NOTE:
Example text for
cautionary design
notes.

DESIGN NOTE:
Example text for
critical design notes.

LAYOUT NOTE:
Example text for
critical layout
guidelines.

	Comments:	Company: FR		Variant: DRAFT	Git Hash: 3e65155
		Board Name: Module		Project Name: Alixp Step up module 12 to 450 V	
	Sheet Title:	File Name: StepUp_module_12to450V.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)
	Sheet Path: /		Reviewer:	Size: A3	Sheet: 1 of 7

[2] Block Diagram



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

	Comments:		Company: FR		Variant: DRAFT	Git Hash: 3e65155
			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	

[illegible]

Section A - Title A

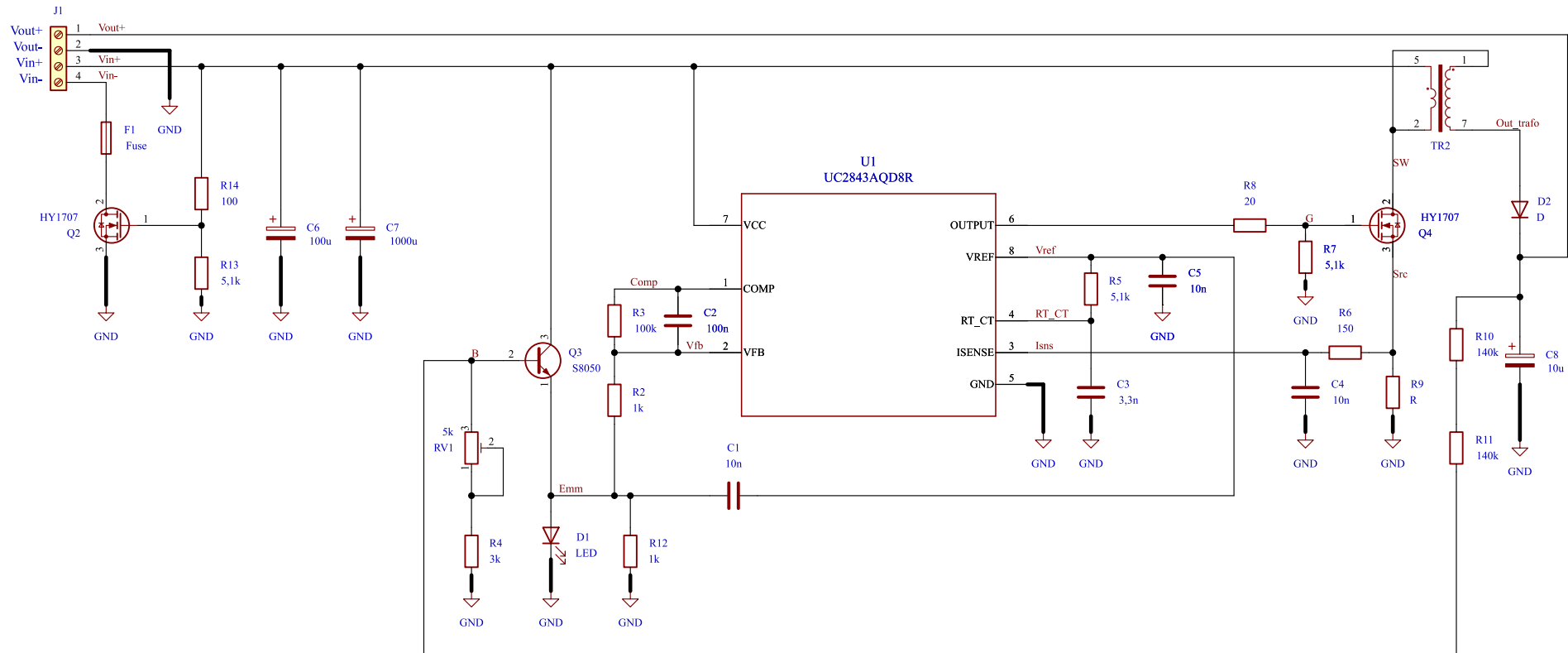
File: Section A - Title A.kicad_sch

Description

File: Section B - Title B.kicad_sch

	Comments:	Company:	Variant:	Git Hash:	
		FR	DRAFT	3e65155	
		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: DRAFT	Git Hash: 3e65155
		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

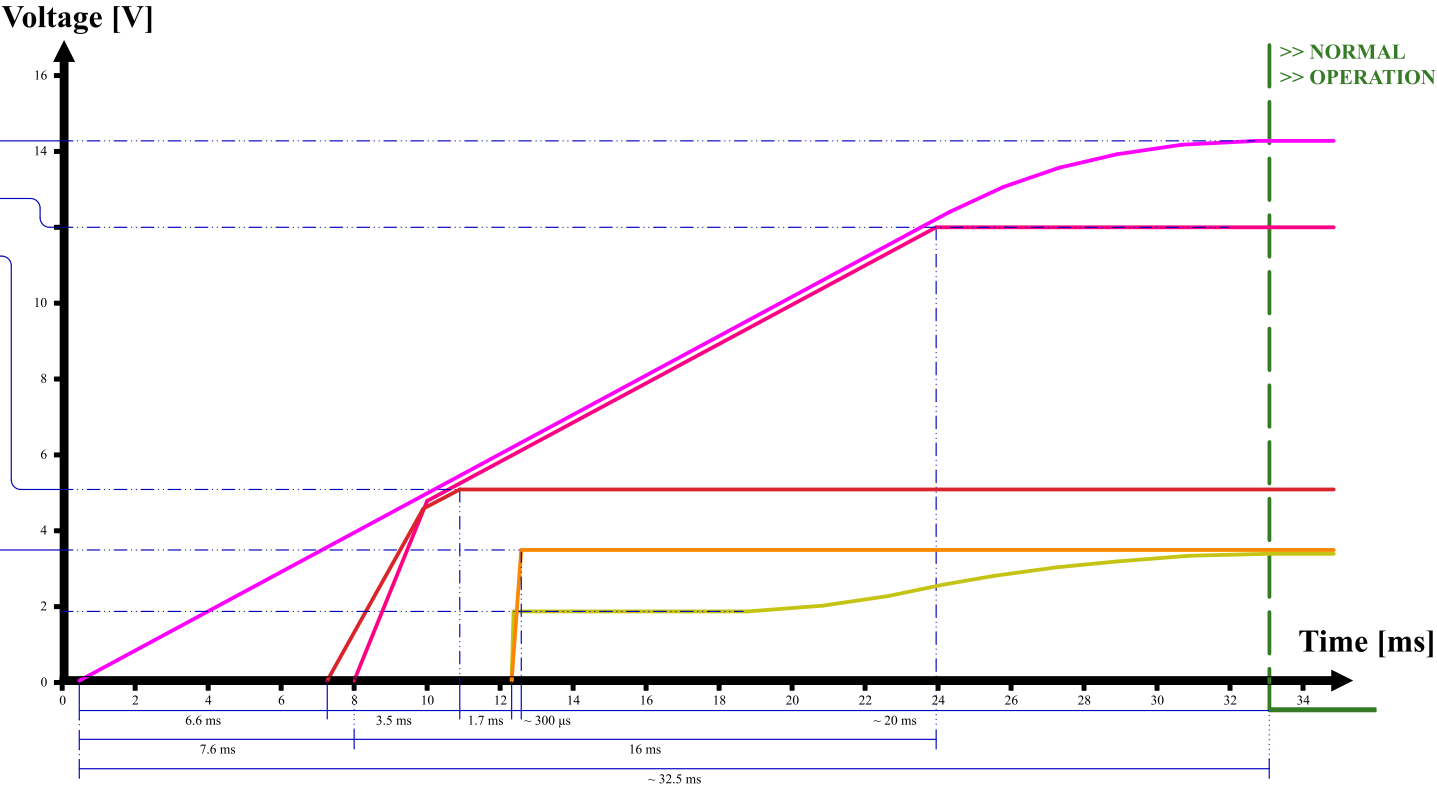
Block Description

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>DRAFT</div>	<div>Git Hash:</div> <div>3e65155</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: DRAFT	Git Hash: 3e65155
		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:	Revision: + (Unreleased)
			Size: A4	Sheet: 6 of 7

[7] Revision History

	Comments:	Company: FR		Variant: DRAFT	Git Hash: 3e65155	
		Board Name: Module		Project Name: Alixp Step up module 12 to 450 V		
	Sheet Title: Revision History	File Name: Revision History.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)	
	Sheet Path: /Revision History/		Reviewer:	Size: A4	Sheet: 7 of 7	