

Module

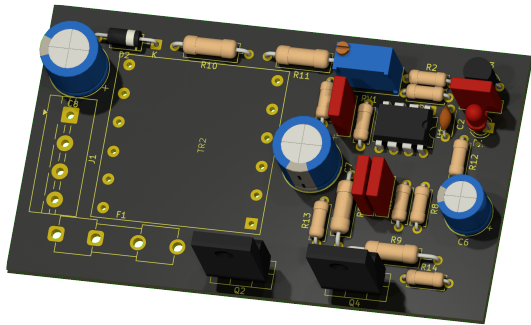
Variant: PRELIMINARY

Rev + (Unreleased)

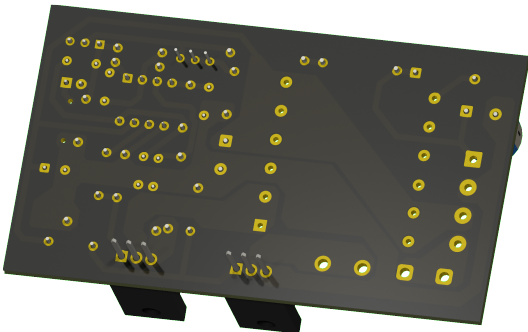
2025-12-13

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TOP VIEW



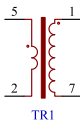
BOTTOM VIEW



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: 13-Dec-2025

DESIGN CONSIDERATIONS

DESIGN NOTE:  
Example text for informational design notes.

DESIGN NOTE:  
Example text for debug notes.

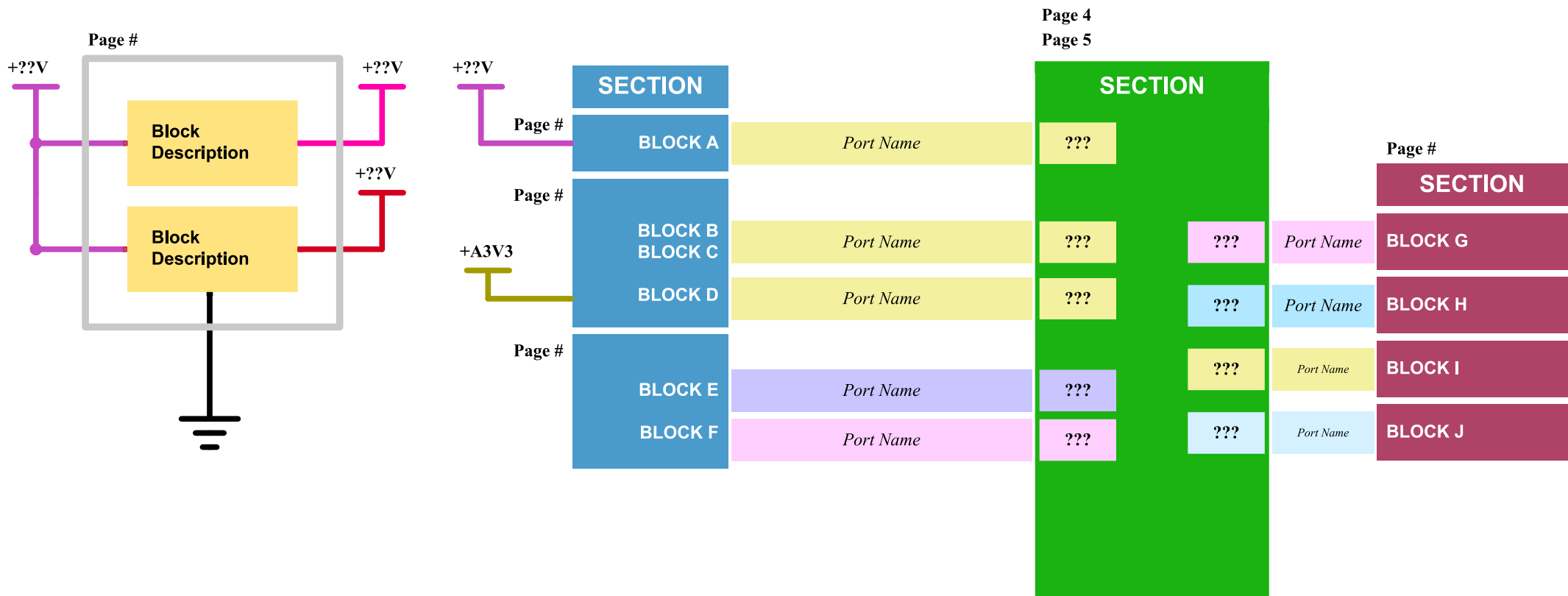
DESIGN NOTE:  
Example text for cautionary design notes.

DESIGN NOTE:  
Example text for critical design notes.

LAYOUT NOTE:  
Example text for critical layout guidelines.

	Comments:	Company: FR		Variant: PRELIMINARY	Git Hash: 1fe9677
		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:	Variant:		Git Hash:	
		FR	PRELIMINARY		1fe9677	
		Board Name:	Project Name:			
		Module	Alixp Step up module 12 to 450 V			
	Sheet Title:	File Name:	Designer:	Date:	Revision:	
Block Diagram	Block Diagram.kicad_sch	FR	2025-01-12	+ (Unreleased)		
Sheet Path:		Reviewer:	Size:	Sheet:		
/Block Diagram/			A3	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:
			FR		PRELIMINARY	1fc9677
			Board Name:		Project Name:	
			Module		Alixp Step up module 12 to 15V	
	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	

## Section A - Title A

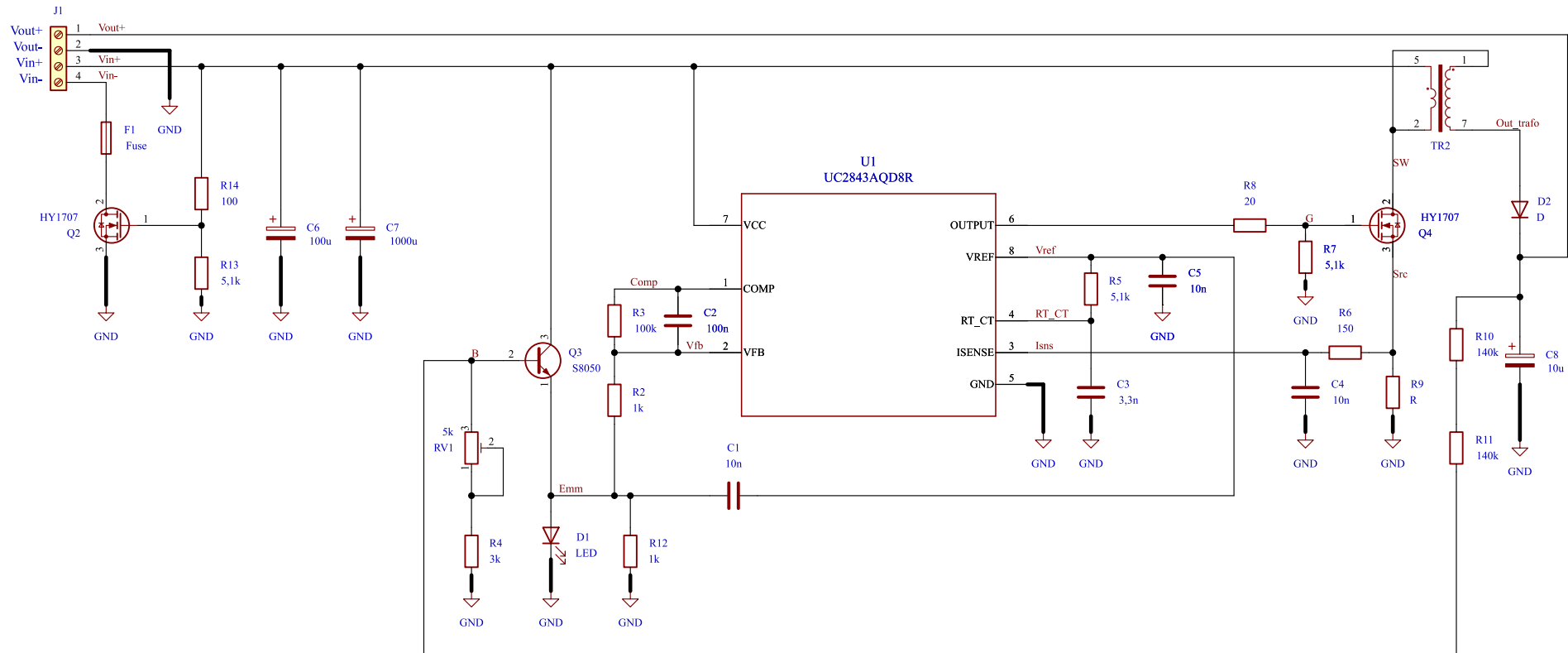
File: Section A - Title A.kicad\_sch

### Description

File: Section B - Title B.kicad\_sch

	Comments:	Company: <b>FR</b>		Variant: PRELIMINARY	Git Hash: 1fe9677	
		Board Name: <b>Module</b>		Project Name: <b>Alixp Step up module 12 to 450 V</b>		
	Sheet Title: Project Architecture	File Name: Project Architecture.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)	
	Sheet Path: /Project Architecture/		Reviewer:	Size: <b>A3</b>	Sheet: <b>3</b> of <b>7</b>	

**[4] Sheet Title A**

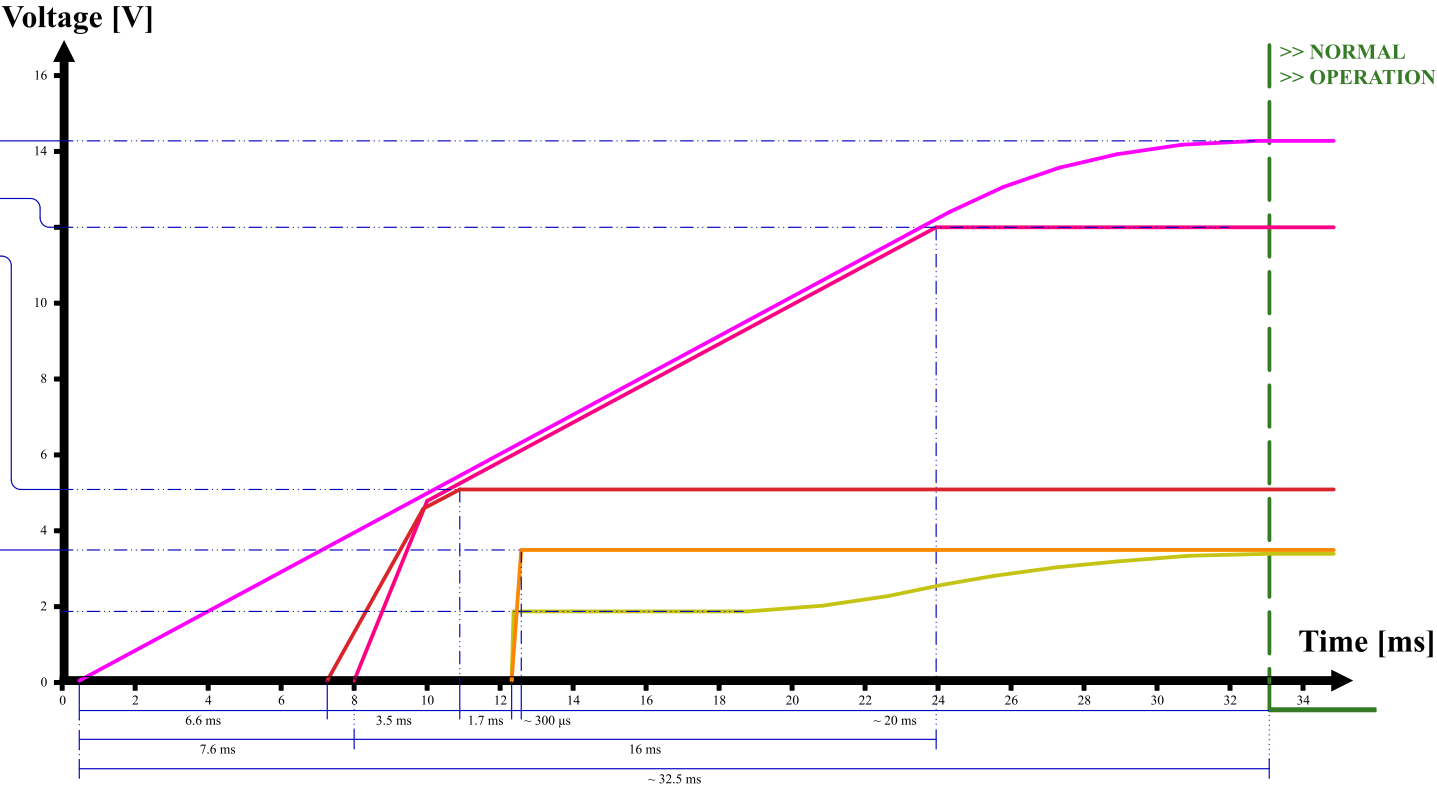


	Comments: AliExpress module	Company: <b>FR</b>		Variant: PRELIMINARY	Git Hash: 1fe9677
		Board Name: <b>Module</b>		Project Name: <b>Alixp Step up module 12 to 450 V</b>	
	Sheet Title: Sheet Title A	File Name: Section A - Title A.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)
Sheet Path: /Project Architecture/Section A - Title A/			Reviewer:	Size: <b>A4</b>	Sheet: <b>4</b> of <b>7</b>

[5] Sheet Title B															
<div></div> <div>DESIGN NOTE: blabla</div> <div>DESIGN NOTE: blabla</div> <div>LAYOUT NOTE: blabla</div> <div>Block Description</div>			<div></div> <div>Block Description</div>							<div></div>					
<div></div> <div>Block Description</div>			<div></div> <div>Block Description</div>				<div></div> <div>Block Description</div>			<div></div> <div>Block Description</div>					
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							Comments:		Company:			Variant:		Git Hash:	
							References:		FR			PRELIMINARY		1fe9677	
							Flexible I/O worked examples Flexible I/O source configuration		Board Name:			Project Name:			
									Module			Alixp Step up module 12 to 450 V			
Sheet Title:		File Name:			Designer:		Date:		Revision:						
Sheet Title B		Section B - Ttle B.kicad_sch			FR		2025-01-12		+ (Unreleased)						
Sheet Path:					Reviewer:		Size:		Sheet:						
/Project Architecture/Section B - Title B/							A3		5 of 7						

[6] Power - Sequencing

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



	Comments:	Company: FR	Variant: PRELIMINARY	Git Hash: 1fe9677
		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					