

A
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

Module

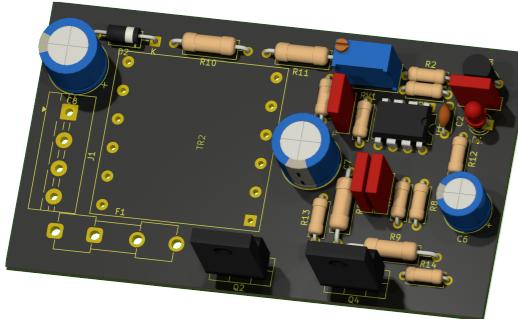
Rev + (Unreleased)

Variant: PRELIMINARY

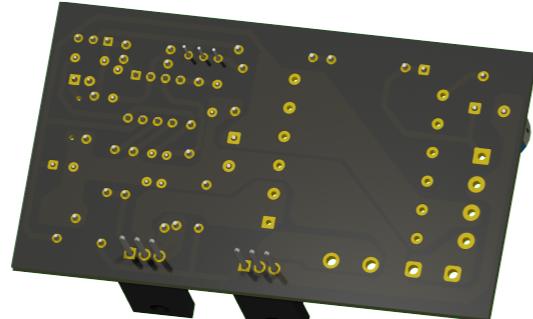
2025-12-13

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TOP VIEW



BOTTOM VIEW



NOTES

Comment

Not fitted components are marked as

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.

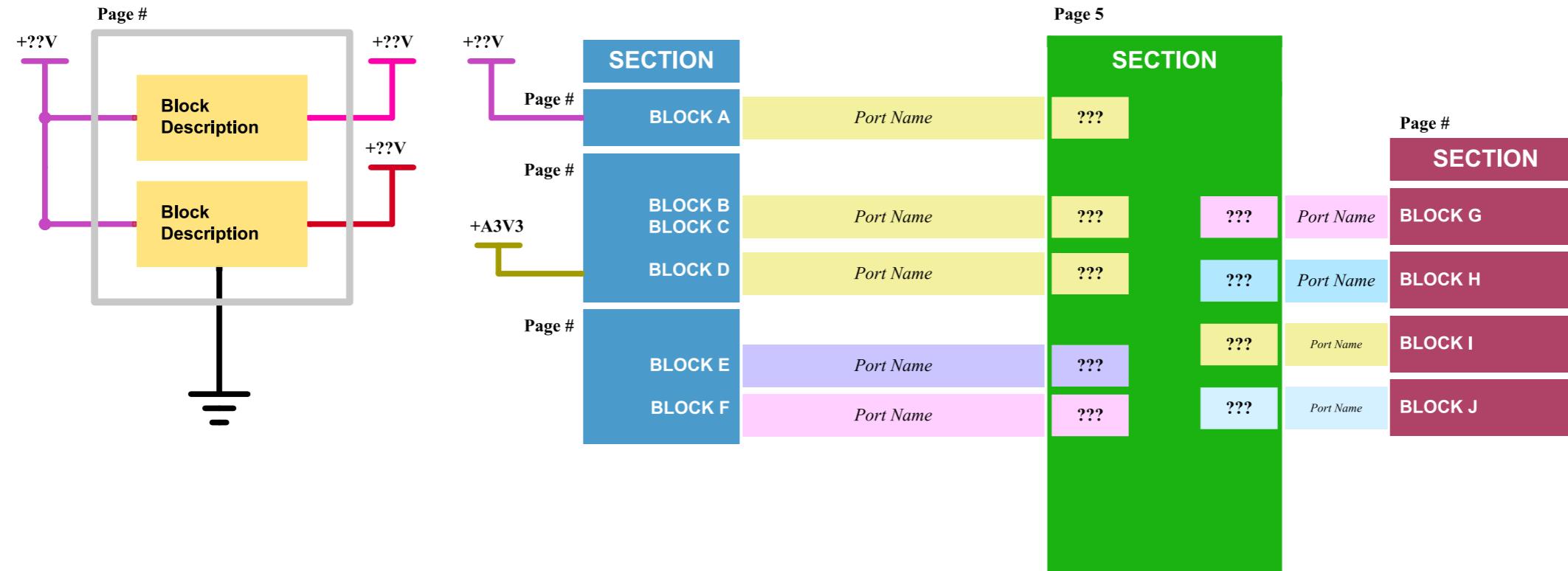
DESIGN NOTE:
Example text for cautionary design notes.

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:	Module	Project Name:	
	Sheet Title:	File Name:	Designer:	Date: Revision:
		StepUp_module_12to450V.kicad_sch	FR	2025-01-12 + (Unreleased)
	Sheet Path:	/	Reviewer:	Size: Sheet:
				A3 1 of 7

[2] Block Diagram

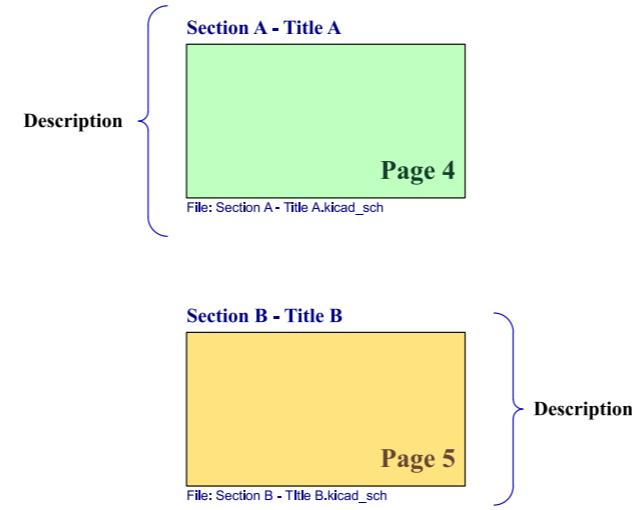


Target specifications:

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

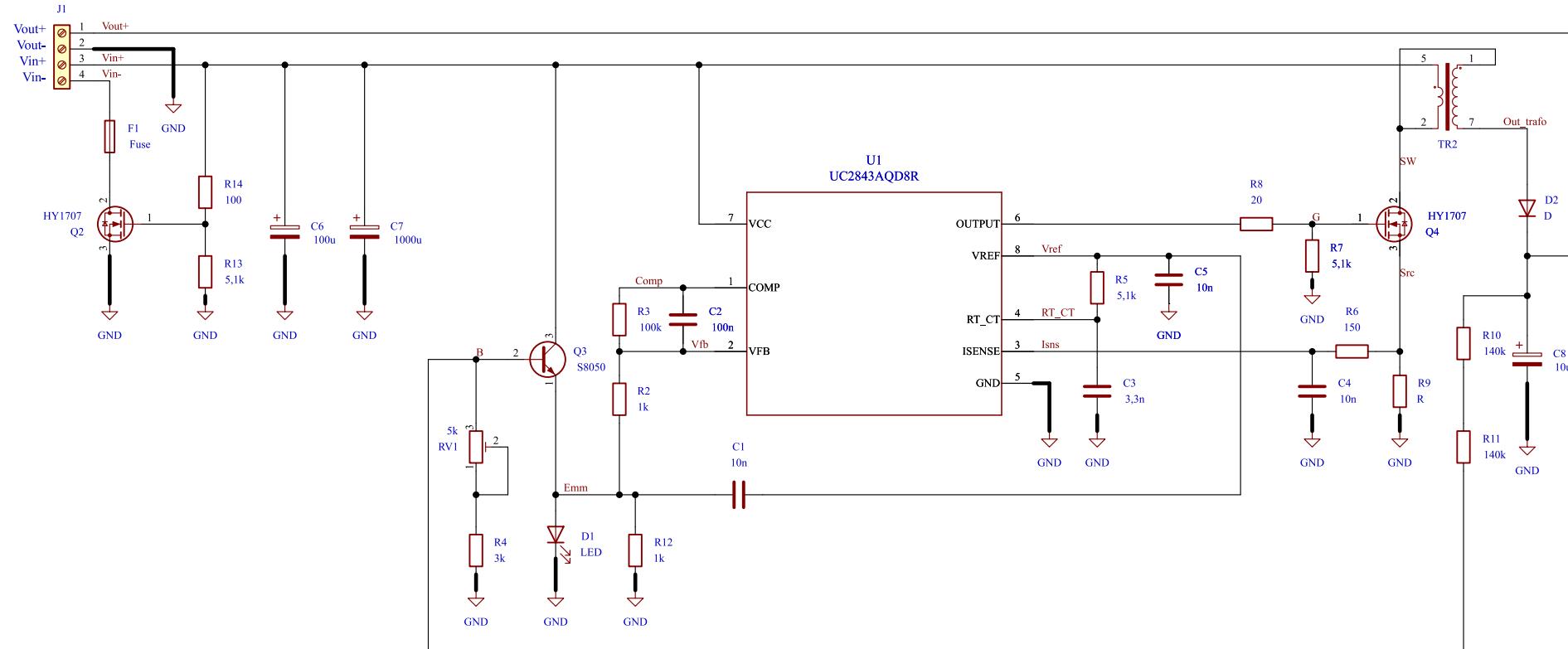
	Comments: FR	Company: FR	Variant: PRELIMINARY	Git Hash: 76a8903
		Board Name: Module	Project Name: Alixp Step up module 12 to 450 V	
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: FR	Date: 2025-01-12 Revision: + (Unreleased)
	Sheet Path: /Block Diagram/	Reviewer:	Size: A3	Sheet: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

[3] Project Architecture



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

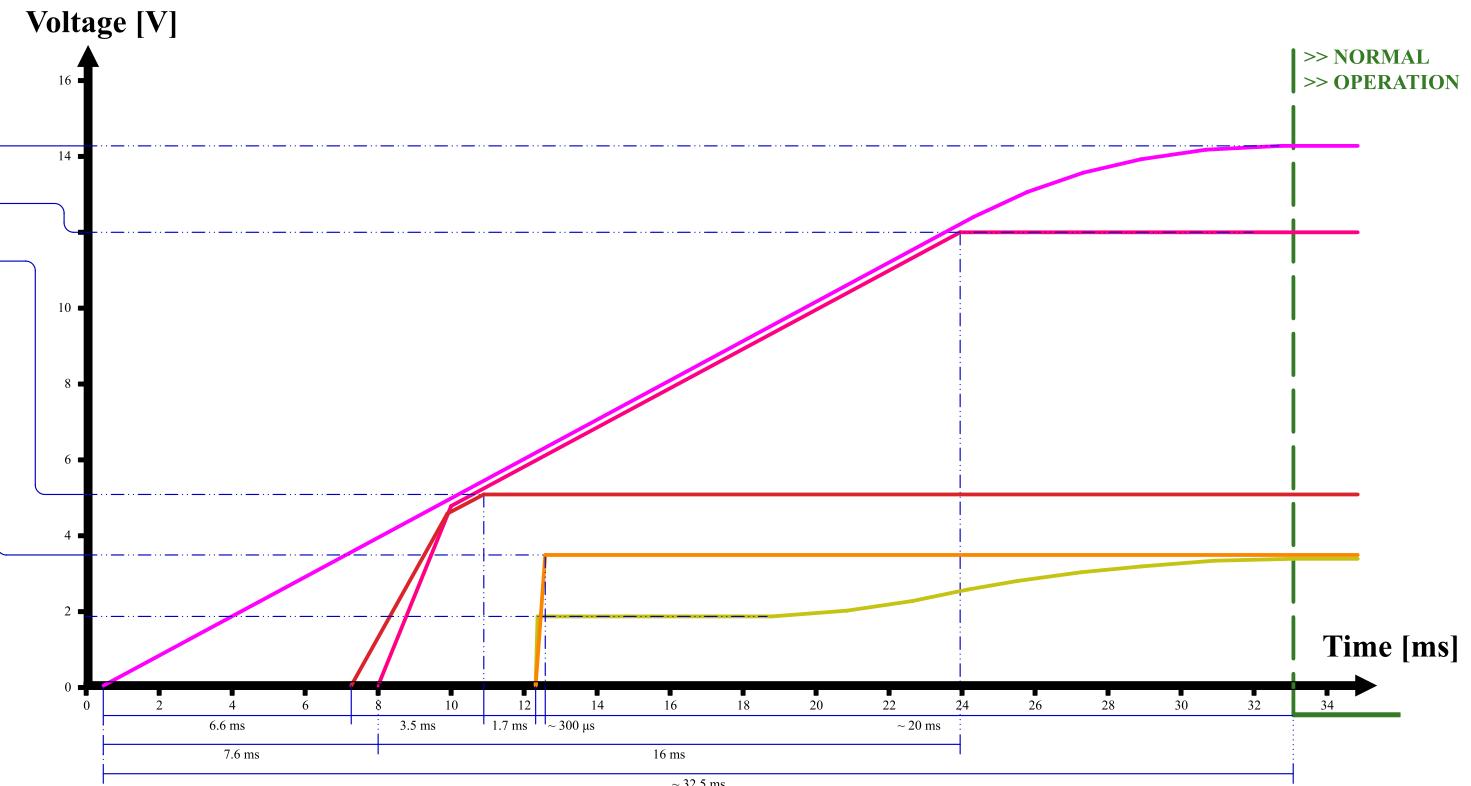
[5] Sheet Title B



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

[6] Power - Sequencing

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



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

[7] Revision History

	Comments:	Company: FR	Variant: PRELIMINARY	Git Hash: 76a8903	
		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 + (Unreleased)	Revision: D
	Sheet Path: /Revision History/		Reviewer:	Size: A4	Sheet: 7 of 7