

Module

Random

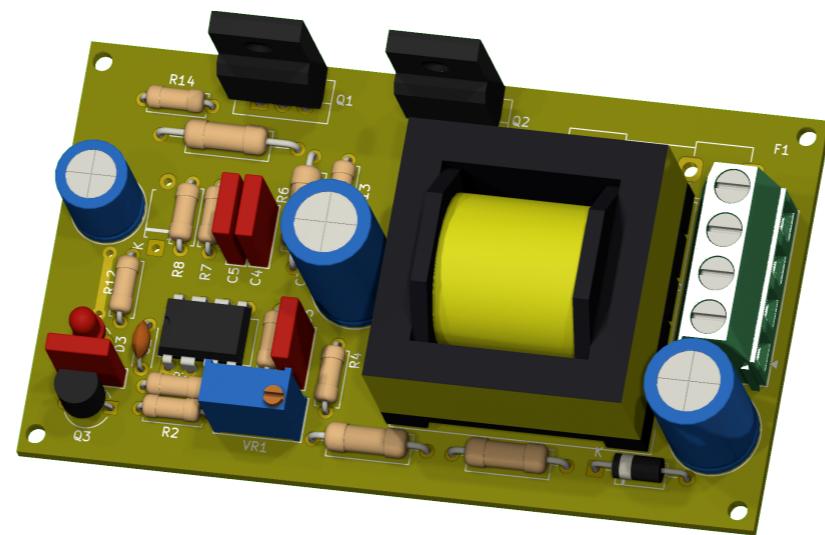
Variant: CHECKED

Rev + (Unreleased)

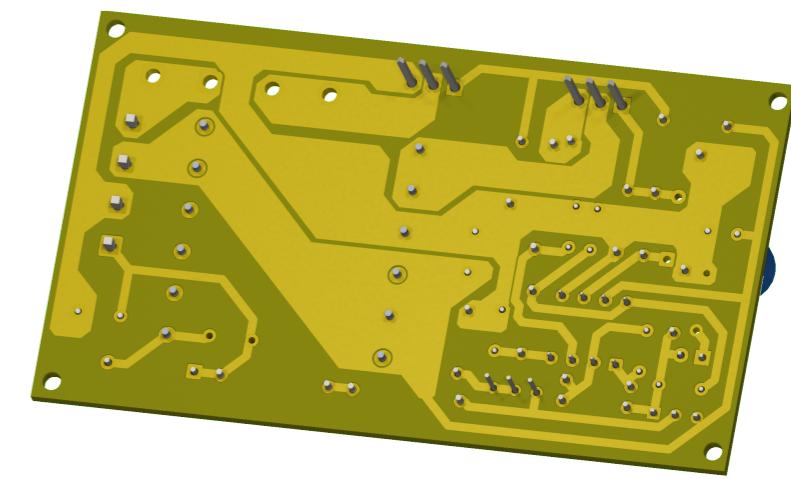
2025-12-19

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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.

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.

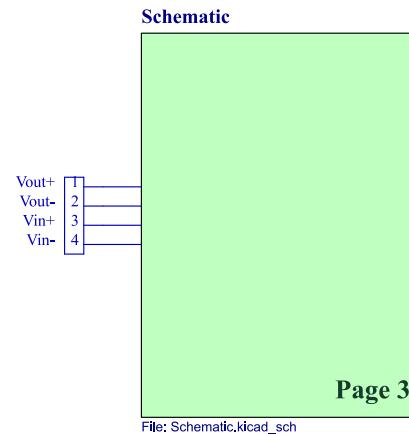
LAYOUT NOTE:
Example text for critical layout guidelines.

Date: 19-Dec-2025

	Comments: FR	Company: FR	Variant: CHECKED	Git Hash: 24e5711
	Board Name: Module	Project Name: Step-up module 12:450 V		
	Sheet Title: File Name: StepUp_module_12to450V.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)
	Sheet Path: /	Reviewer: NA	Size: A3	Sheet: 1 of 4

[2] Block Diagram

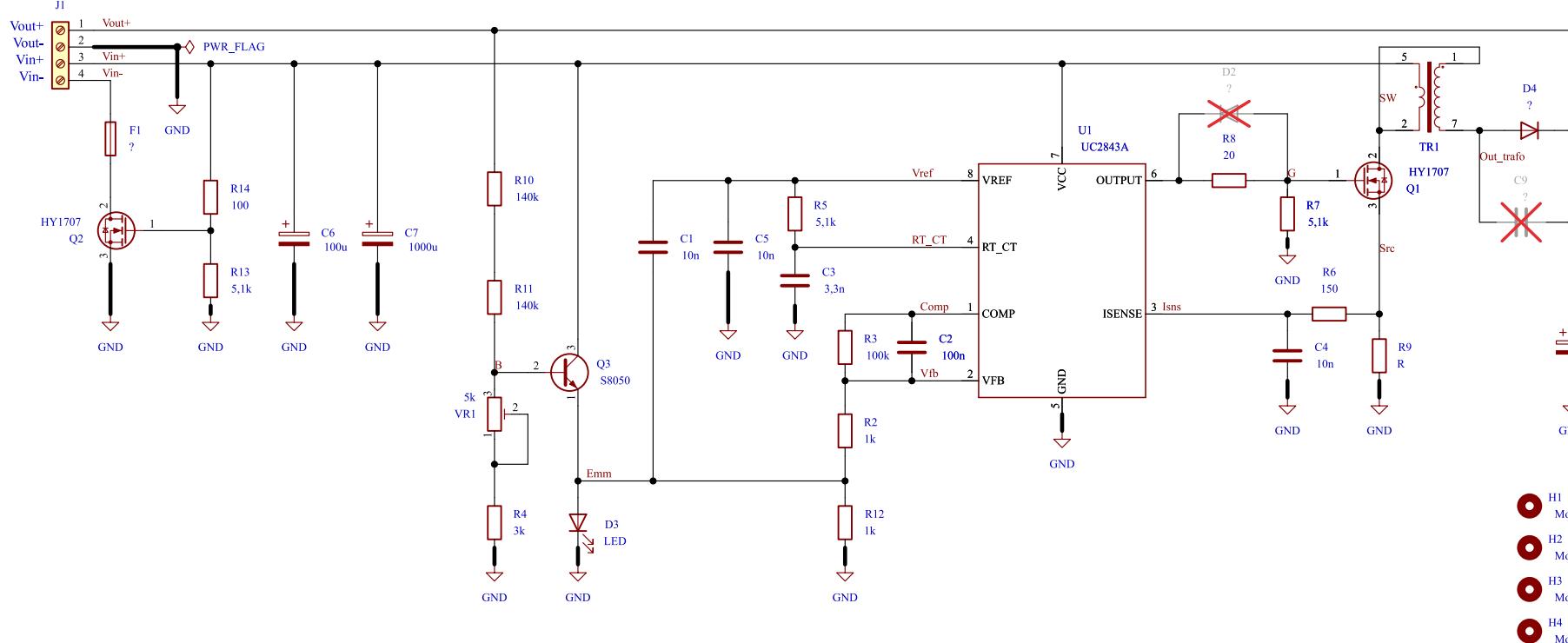
MODULE INTERFACE:
Vin: 9 V to 2 V according to
AliExpress product page
Vout: 200 V to 450 V,
adjustable through VR1



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	Comments: AliExpress module	Company: FR	Variant: CHECKED	Git Hash: 24e5711
	Board Name: Module			Project Name: Step-up module 12:450 V
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: FR	Date: 2025-01-12 Revision: + (Unreleased)
	Sheet Path: /Block Diagram/		Reviewer: NA	Size: A4 Sheet: 2 of 4

[3] Schematic



		Comments: FR	Company: FR	Variant: CHECKED	Git Hash: 24e5711
		Board Name: Module	Project Name: Step-up module 12:450 V		
		Sheet Title: Schematic	File Name: Schematic.kicad_sch	Designer: FR	Date: 2025-01-12
		Sheet Path: /Block Diagram/Schematic/		Reviewer: NA	Revision: + (Unreleased)

[4] Revision History

	1	2	3	4	5	6																								
A	Version 1.0.0 not found. Version 1.0.0 not found.					A																								
B						B																								
C						C																								
D			<table border="1"><tr><td colspan="2"></td><td>Comments: "Comment 1" "Comment 2" "Comment 3" "Comment 4"</td><td>Company: FR</td><td>Variant: CHECKED</td><td>Git Hash: 24e5711</td></tr><tr><td colspan="2"></td><td>Board Name: Module</td><td colspan="3">Project Name: Step-up module 12:450 V</td></tr><tr><td colspan="2"></td><td>Sheet Title: Revision History</td><td>File Name: Revision History.kicad_sch</td><td>Designer: FR</td><td>Date: 2025-01-12</td><td>Revision: + (Unreleased)</td></tr><tr><td colspan="2"></td><td>Sheet Path: /Revision History/</td><td colspan="2">Reviewer: NA</td><td>Size: A4</td><td>Sheet: 4 of 4</td></tr></table>			Comments: "Comment 1" "Comment 2" "Comment 3" "Comment 4"	Company: FR	Variant: CHECKED	Git Hash: 24e5711			Board Name: Module	Project Name: Step-up module 12:450 V					Sheet Title: Revision History	File Name: Revision History.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)			Sheet Path: /Revision History/	Reviewer: NA		Size: A4	Sheet: 4 of 4	D
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		Sheet Path: /Revision History/	Reviewer: NA		Size: A4	Sheet: 4 of 4																								