

Module

Randoms

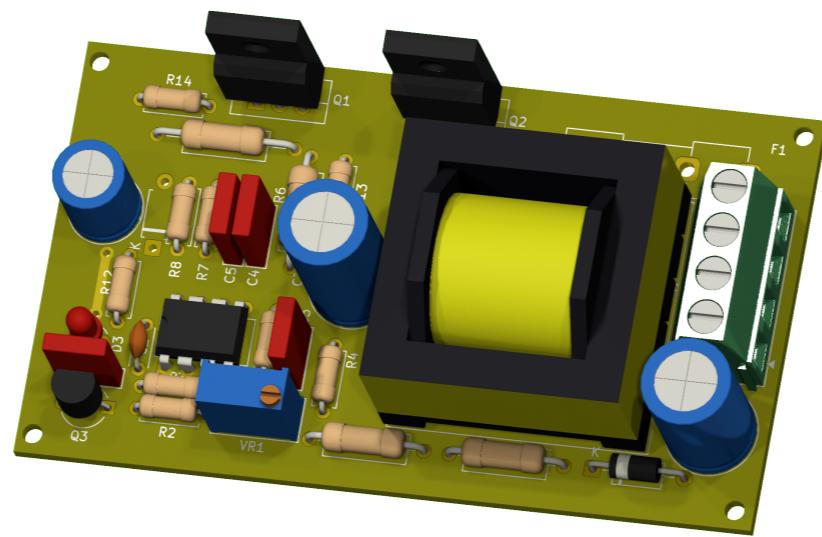
Variant: CHECKED

Rev + (Unreleased)

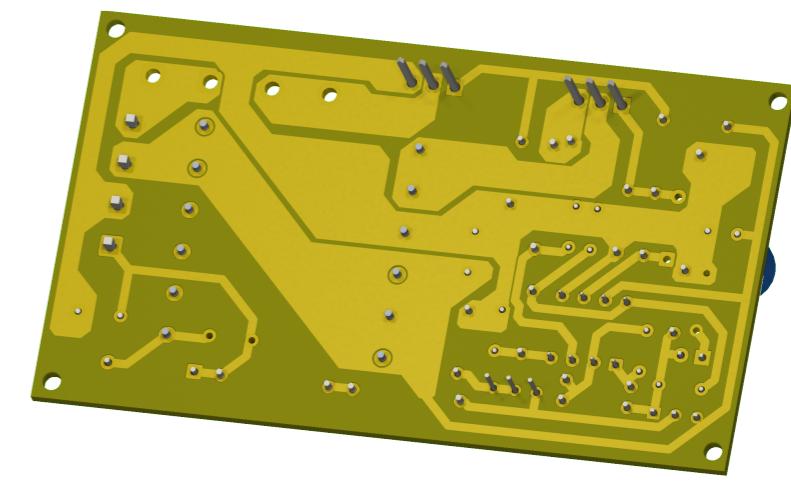
2025-12-19

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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.

Date: 19-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.

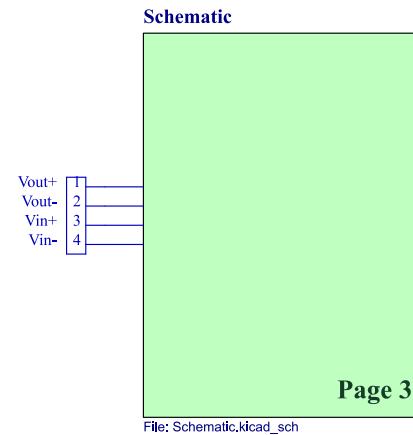
DESIGN NOTE:
Example text for critical design notes.

LAYOUT NOTE:
Example text for critical layout guidelines.

	Comments:	Company: FR	Variant: CHECKED	Git Hash: 373616a
	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

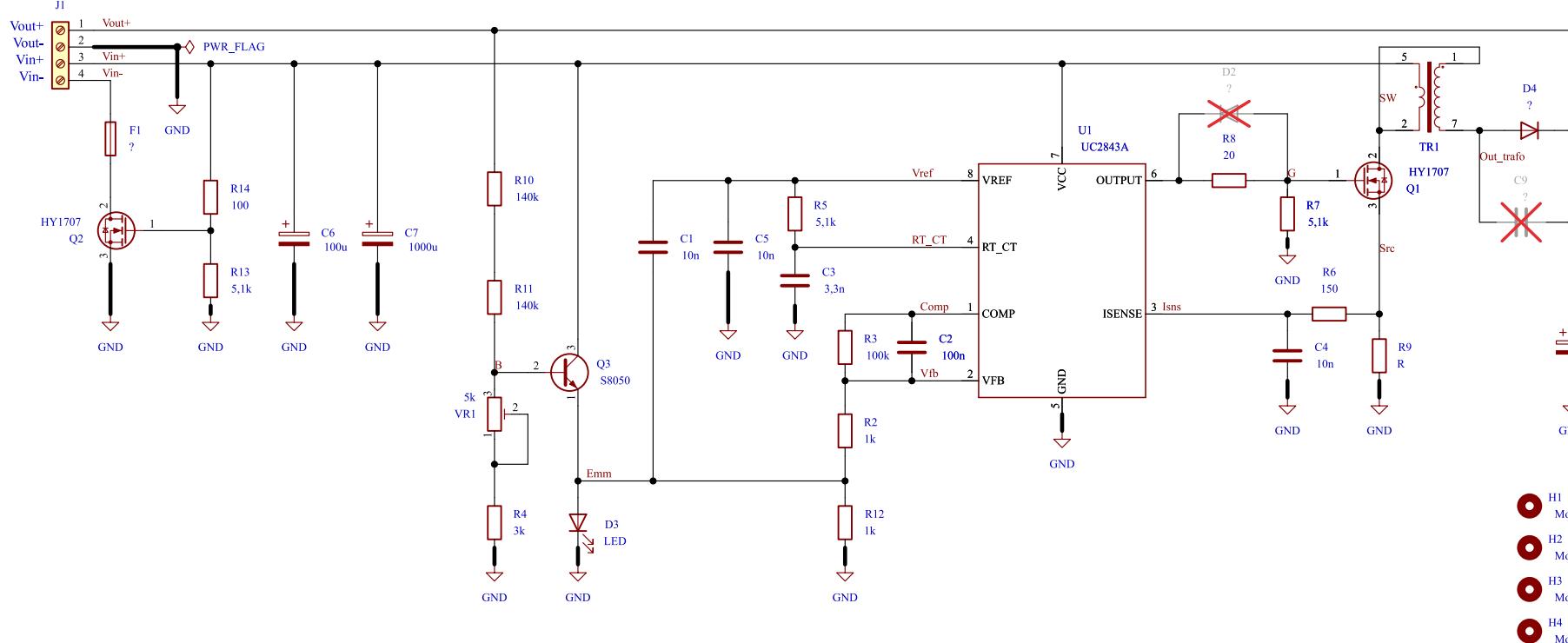
[2] Block Diagram

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



	Comments: AliExpress module	Company: FR	Variant: CHECKED	Git Hash: 373616a
	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: 373616a
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	Size: A4	Sheet: 3 of 4

[4] Revision History

	1	2	3	4	5	6
A	Version 1.0.0 - 2025-12-19 <hr/> <p>First issue</p> <ul style="list-style-type: none">- Schematic- PCB layout	Version 1.0.1 - 2025-12-18 <hr/> <p>EMPTY1</p> <ul style="list-style-type: none">- Nada- Nic	Version 1.0.2 - 2025-12-17 <hr/> <p>EMPTY2</p>	Version 1.1.0 - 2025-12-16 <hr/> <p>EMPTY3</p>	A	
B					B	
C					C	
D			<p>Comments: "Comment 1" "Comment 2" "Comment 3" "Comment 4"</p> <p>Sheet Title: Revision History</p> <p>Sheet Path: /Revision History/</p>	<p>Company: FR</p> <p>Board Name: Module</p> <p>File Name: Revision History.kicad_sch</p>	<p>Variant: CHECKED</p> <p>Project Name: Step-up module 12:450 V</p> <p>Designer: FR</p> <p>Reviewer: NA</p>	<p>Git Hash: 373616a</p> <p>Date: 2025-01-12</p> <p>Revision: + (Unreleased)</p> <p>Size: A4</p> <p>Sheet: 4 of 4</p>