

Module

Random

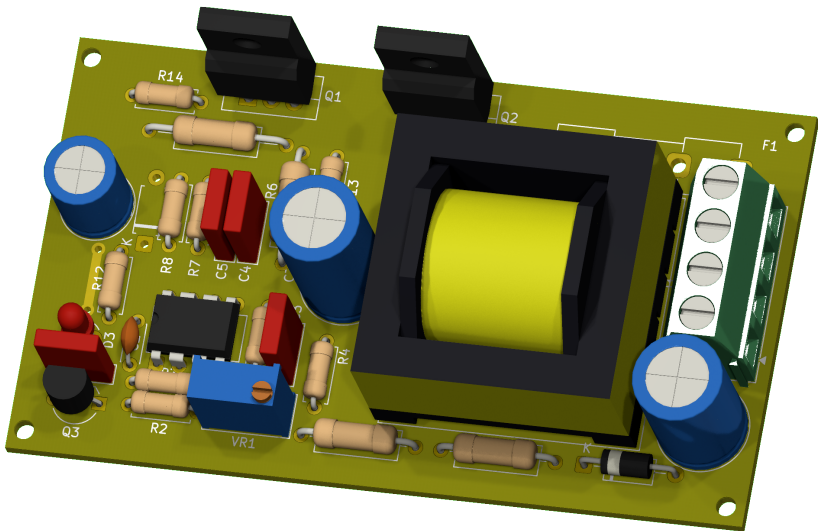
Rev + (Unreleased)

Variant: CHECKED

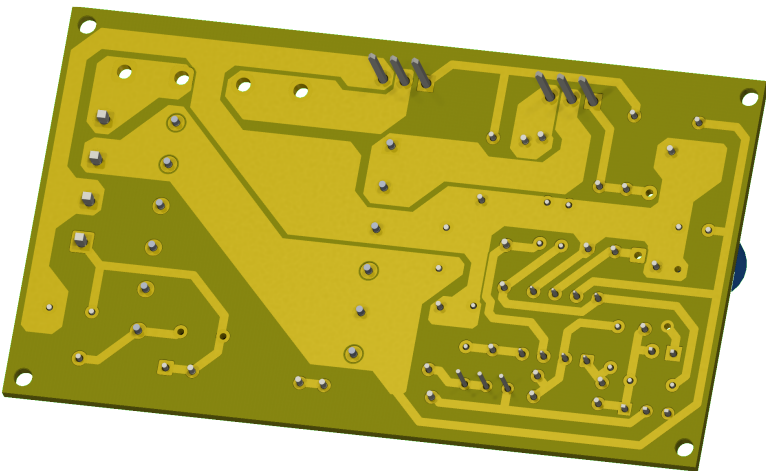
2025-12-19

Page	Index
1	Cover Page
2	Block Diagram
3	Schematic
4	Revision History
5	
6	
7	
8	
9	
10	

TOP VIEW



BOTTOM VIEW



NOTES

Comment

Not fitted components are marked as X

- 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:	Company: FR	Variant: CHECKED	Git Hash: 14654ba
	Sheet Title:	Board Name: Module	Project Name: Step-up module 12:450 V	
	Sheet Path: /	File Name: StepUp_module_12to450V.kicad_sch	Designer: FR	Date: 2025-01-12
		Reviewer: NA	Size: A3	Revision: + (Unreleased)
				Sheet: 1 of 4

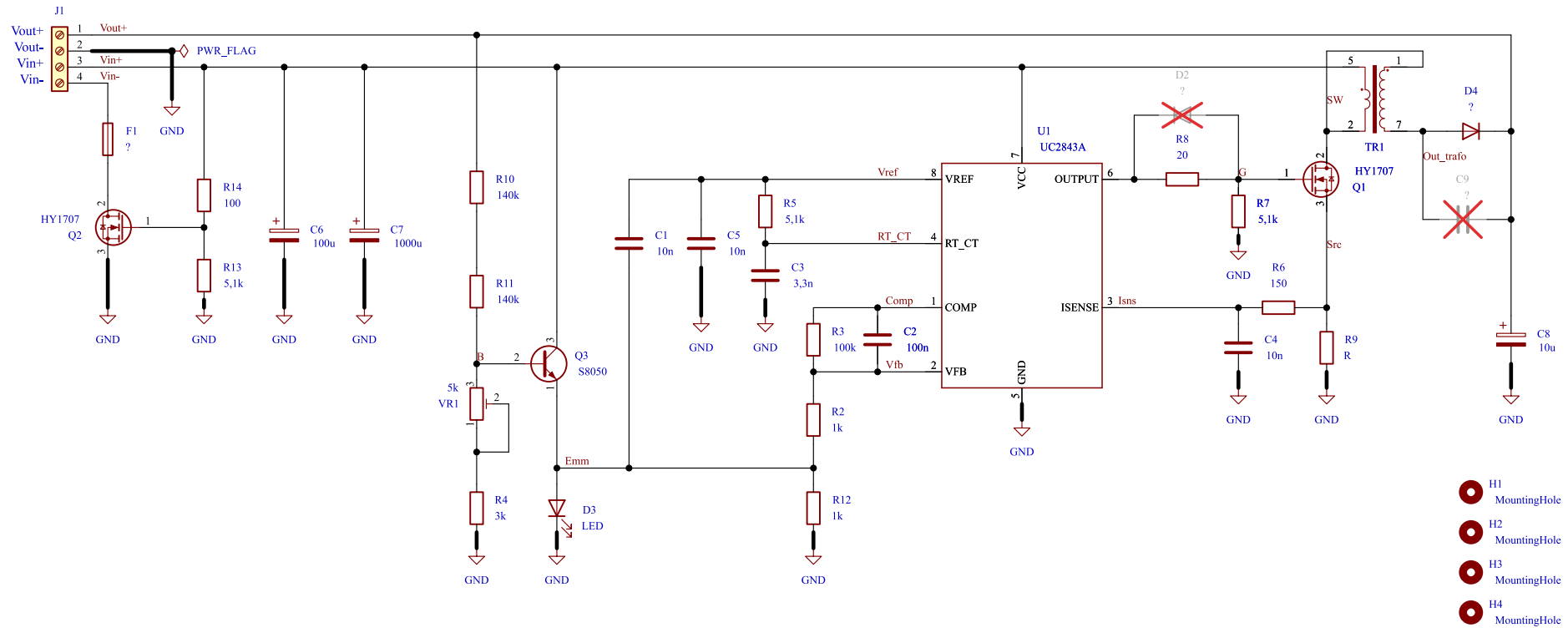
[2] Block Diagram

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



	Comments:	Company:		Variant:	Git Hash:
	AliExpress module	FR		CHECKED	14654ba
	Sheet Title:	Board Name:		Project Name:	
	Block Diagram	Module		Step-up module 12:450 V	
	Sheet Path:	File Name:	Designer:	Date:	Revision:
	/Block Diagram/	Block Diagram.kicad_sch	FR	2025-01-12	+ (Unreleased)
		Reviewer:	Size:	Sheet:	
		NA	A4	2 of 4	

[3] Schematic



Comments:

Company:

FR

Variant:

CHECKED

Git Hash:

14654ba

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

Revision:

+(Unreleased)

Sheet Path:

/Block Diagram/Schematic/

Reviewer:

NA

Size:

A4

Sheet:

3 of 4

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A	<div>[4] Revision History</div>					A																																																	
	<div><div><div>Version 1.0.0 - 2025-12-19</div><div><div>First issue</div><div><div>- Schematic</div><div>- PCB layout</div></div></div></div><div><div>Version 1.0.1 not found.</div><div>Version 1.0.1 not found.</div></div><div><div>Version 1.0.2 not found.</div><div>Version 1.0.2 not found.</div></div><div><div>Version 1.1.0 not found.</div><div>Version 1.1.0 not found.</div></div></div>					B																																																	
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