

Module

Random

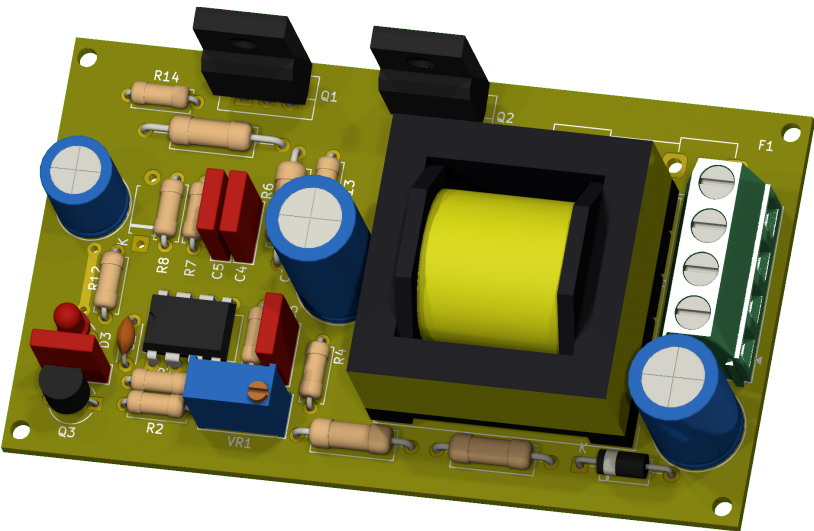
Rev + (Unreleased)

Variant: CHECKED

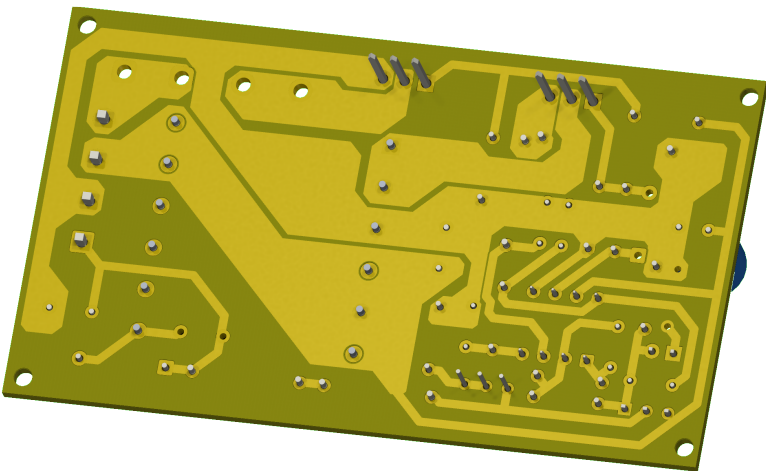
2025-12-19

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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.

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: 24c5711
		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

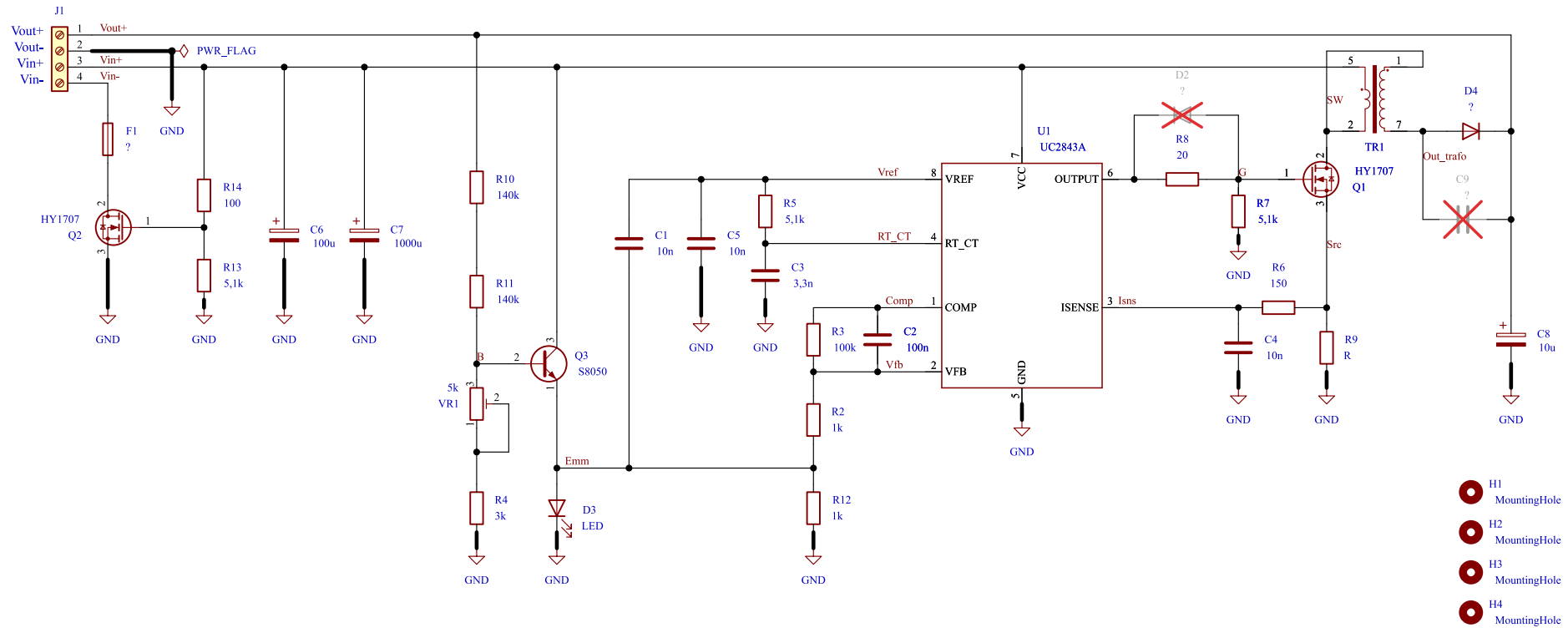
[2] Block Diagram

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: 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



- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

Comments:

Company:

Variant:

Git Hash:

FR

CHECKED

24e5711

Board Name:

Project Name:

Module

Step-up module 12:450 V

Sheet Title:

File Name:

Designer:

Date:

Revision:

Schematic

Schematic.kicad_sch

FR

2025-01-12

+(Unreleased)

Sheet Path:

Reviewer:

Size:

Sheet:

/Block Diagram/Schematic/

NA

A4

3 of 4

[4] Revision History

Version 1.0.0 not found.

Version 1.0.0 not found.

	<div>Comments:</div> <div>"Comment 1"</div> <div>"Comment 2"</div> <div>"Comment 3"</div> <div>"Comment 4"</div>	<div>Company:</div> <div>FR</div>	<div>Variant:</div> <div>CHECKED</div>	<div>Git Hash:</div> <div>24e5711</div>	
		<div>Board Name:</div> <div>Module</div>	<div>Project Name:</div> <div>Step-up module 12:450 V</div>		
	<div>Sheet Title:</div> <div>Revision History</div>	<div>File Name:</div> <div>Revision History.kicad_sch</div>	<div>Designer:</div> <div>FR</div>	<div>Date:</div> <div>2025-01-12</div>	<div>Revision:</div> <div>+ (Unreleased)</div>
	<div>Sheet Path:</div> <div>/Revision History/</div>		<div>Reviewer:</div> <div>NA</div>	<div>Size:</div> <div>A4</div>	<div>Sheet:</div> <div>4 of 4</div>