

Module

Randommss

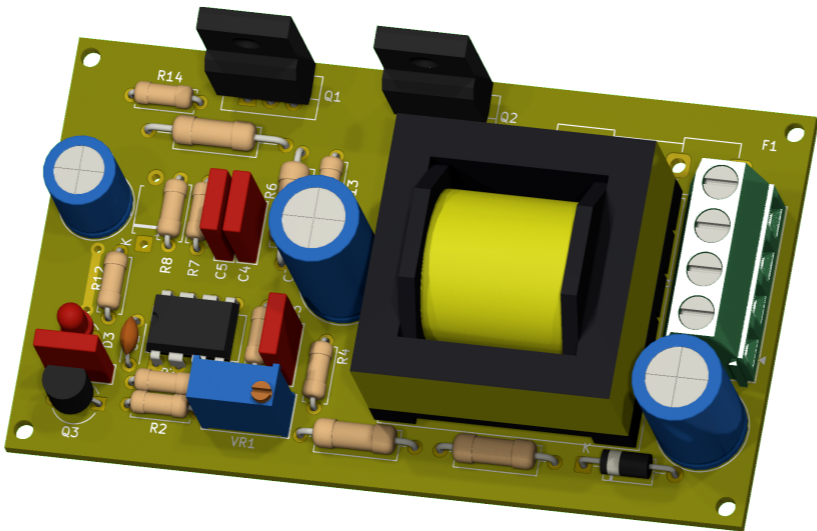
Rev + (Unreleased)

Variant: CHECKED

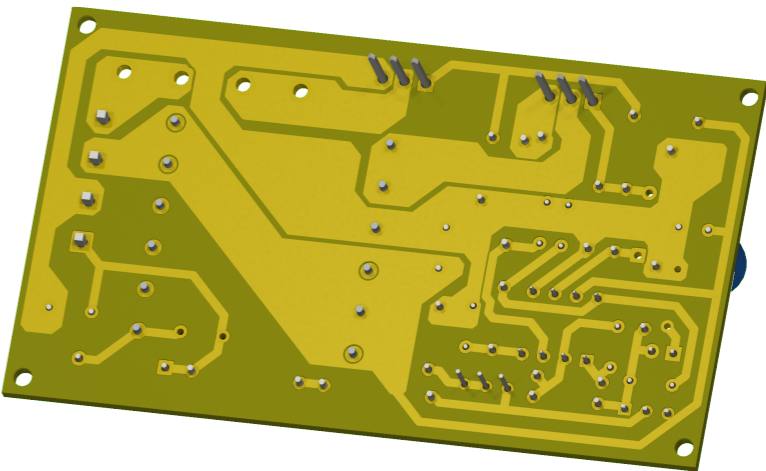
2025-12-19

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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.

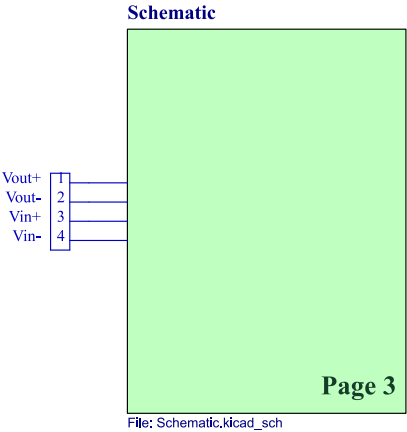
DESIGN NOTE:
Example text for
critical design notes.

LAYOUT NOTE:
Example text for
critical layout
guidelines.

	Comments:	Company: FR	Variant: CHECKED	Git Hash: 8d4b4dd
	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	Revision: + (Unreleased)	Sheet: 1 of 4

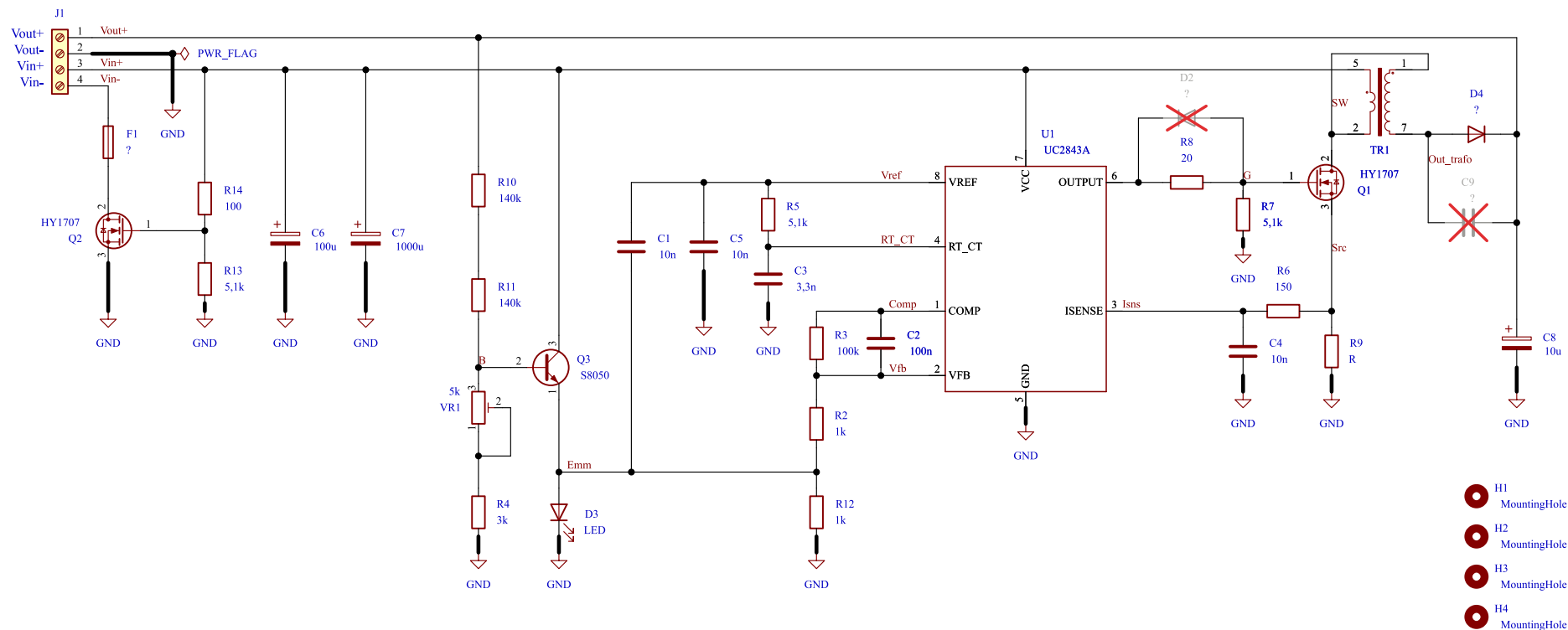
[2] Block Diagram

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



	Comments: AliExpress module	Company: FR		Variant: CHECKED	Git Hash: 8d4b4dd
		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:

Company:

FR

Variant:

CHECKED

Git Hash:

8d4b4dd

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

[4] Revision History

Version 1.0.0 - 2023-12-12

First issue

- Schematic
- PCB layout

Version 1.0.1 not found.

Version 1.0.1 not found.

Version 1.0.2 not found.

Version 1.0.2 not found.

Version 1.1.0 not found.

Version 1.1.0 not found.

	Comments:	Company:	Variant:	Git Hash:
	"Comment 1"	FR	CHECKED	8d4b4dd
	"Comment 2"	Board Name:		Project Name:
	"Comment 3"	Module		Step-up module 12:450 V
	"Comment 4"			
Sheet Title:	File Name:	Designer:	Date:	Revision:
Revision History	Revision History.kicad_sch	FR	2025-01-12	+ (Unreleased)
Sheet Path:		Reviewer:	Size:	Sheet:
/Revision History/		NA	A4	4 of 4