

Module

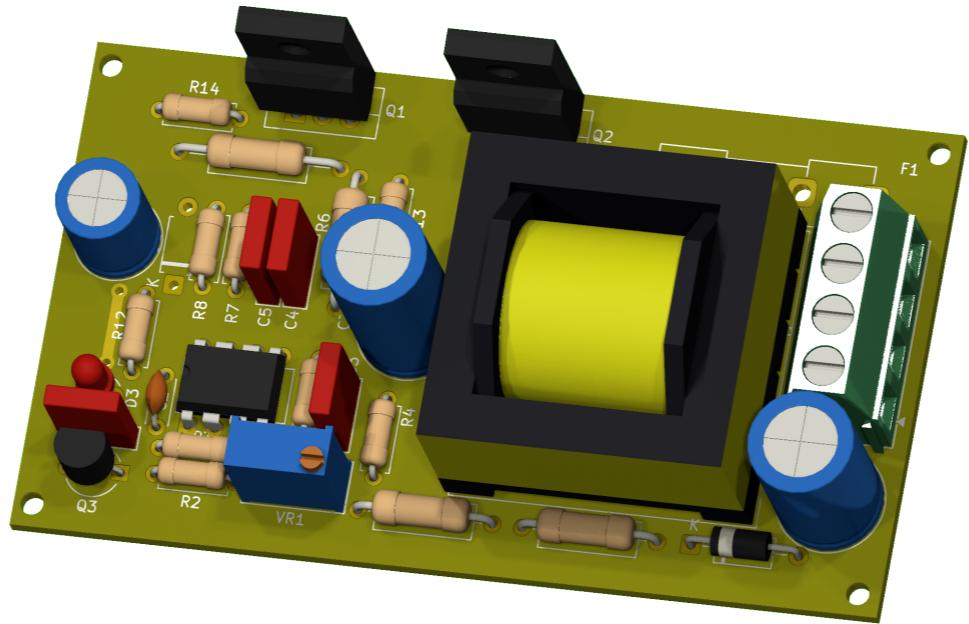
Variant: CHECKED

Rev + (Unreleased)

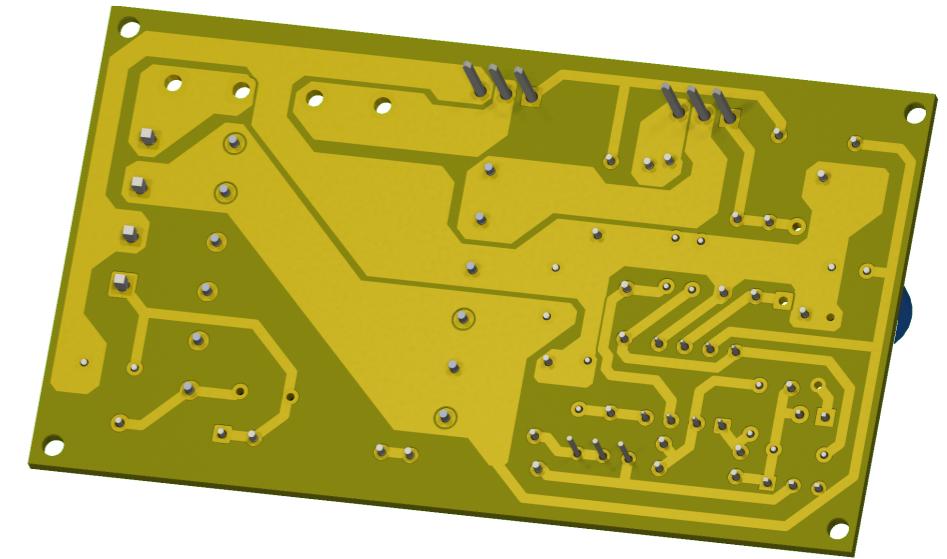
2025-12-21

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TOP VIEW



BOTTOM VIEW



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.

NOTE STYLING CONVENTION

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

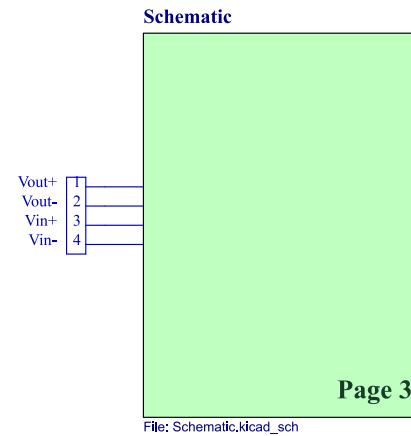
Example text for critical layout guidelines.

Date: 21-Dec-2025

	Comments:	Company: FR	Variant: CHECKED	Git Hash: 25e1572
		Board Name: Module	Project Name: Step-up module 12:450 V	
	Sheet Title:	File Name: StepUp_module_12to450V.kicad_sch	Designer: FR	Date: 2025-12-20 Revision: + (Unreleased)
	Sheet Path: /	Reviewer: NA	Size: A3	Sheet: 1 of 4

[2] Block Diagram

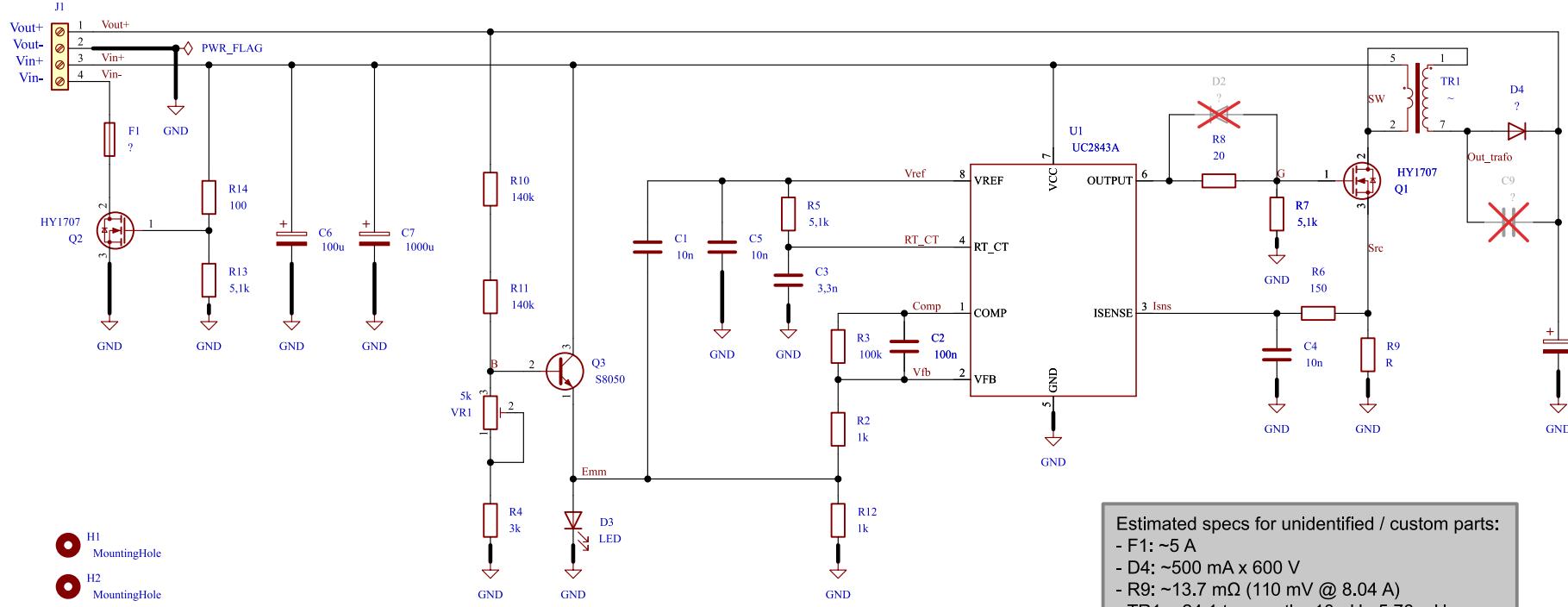
MODULE INTERFACE:
 Vin: 9 V to 24 V according
 to AliExpress product page
 Vout: 200 V to 450 V,
 adjustable through VR1



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	Comments: AliExpress module example (link)	Company: FR	Variant: CHECKED	Git Hash: 25e1572
	Board Name: Module			Project Name: Step-up module 12:450 V
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: FR	Date: 2025-12-20 Revision: + (Unreleased)
	Sheet Path: /Block Diagram/		Reviewer: NA	Size: A4 Sheet: 2 of 4

[3] Schematic



		Comments: FR	Company: FR	Variant: CHECKED	Git Hash: 25e1572
		Board Name: Module	Project Name: Step-up module 12:450 V		
		Sheet Title: Schematic	File Name: Schematic.kicad_sch	Designer: FR	Date: 2025-12-20
		Sheet Path: /Block Diagram/Schematic/		Reviewer: NA	Revision: + (Unreleased)

[4] Revision History

Version 1.0.0 not found.

Version 1.0.0 not found.

Version 1.0.1 not found.

Version 1.0.1 not found.

	Comments:	Company: FR	Variant: CHECKED	Git Hash: 25e1572
		Board Name: Module	Project Name: Step-up module 12:450 V	
	Sheet Title: Revision History	File Name: Revision History.kicad_sch	Designer: FR	Date: 2025-12-20 Revision: + (Unreleased)
	Sheet Path: /Revision History/		Reviewer: NA	Size: A4 Sheet: 4 of 4