

Module

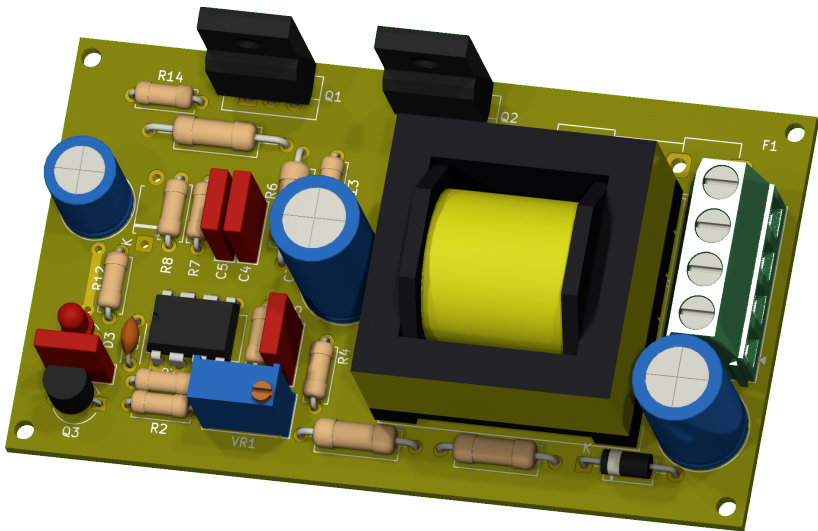
Variant: CHECKED

Rev + (Unreleased)

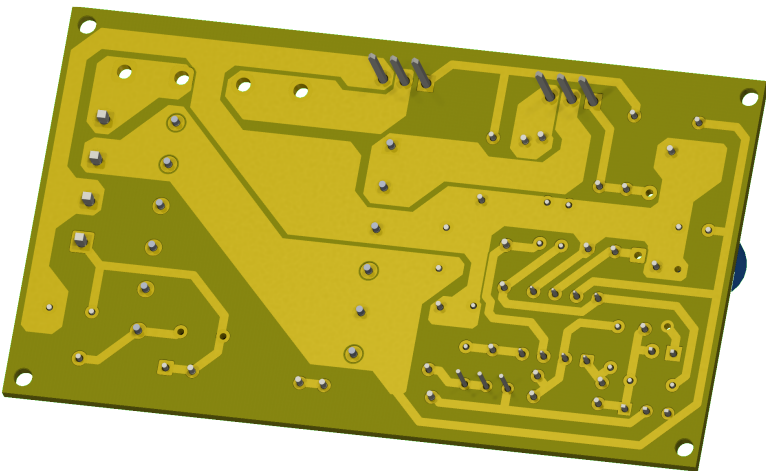
2025-12-19

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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:		Variant:	Git Hash:
			FR		CHECKED	00f0a22
			Board Name:		Project Name:	
	Sheet Title:		Module		Step-up module 12:450 V	
	File Name:		Designer:	Date:	Revision:	
	StepUp_module_12to450V.kicad_sch		FR	2025-01-12	+ (Unreleased)	
	Sheet Path:		Reviewer:	Size:	Sheet:	
	/		NA	A3	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: 00f0a22
			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

[illegible]

	Comments:	Company: FR		Variant: CHECKED	Git Hash: 00f0a22	
		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	

	1	2	3	4	5	6
A	[4] Revision History					A
B	Version 1.0.0 not found.					B
C						C
D				<div>Comments: "Comment 1" "Comment 2" "Comment 3" "Comment 4"</div>	<div>Company: FR</div> <div>Board Name: Module</div>	<div>Variant: CHECKED</div> <div>Project Name: Step-up module 12:450 V</div>
				<div>Sheet Title: Revision History</div>	<div>File Name: Revision History.kicad_sch</div> <div>Designer: FR</div>	<div>Date: 2025-01-12</div> <div>Revision: + (Unreleased)</div>
				<div>Sheet Path: /Revision History/</div>	<div>Reviewer: NA</div>	<div>Size: A4</div> <div>Sheet: 4 of 4</div>
	1	2	3	4	5	6