

# Module

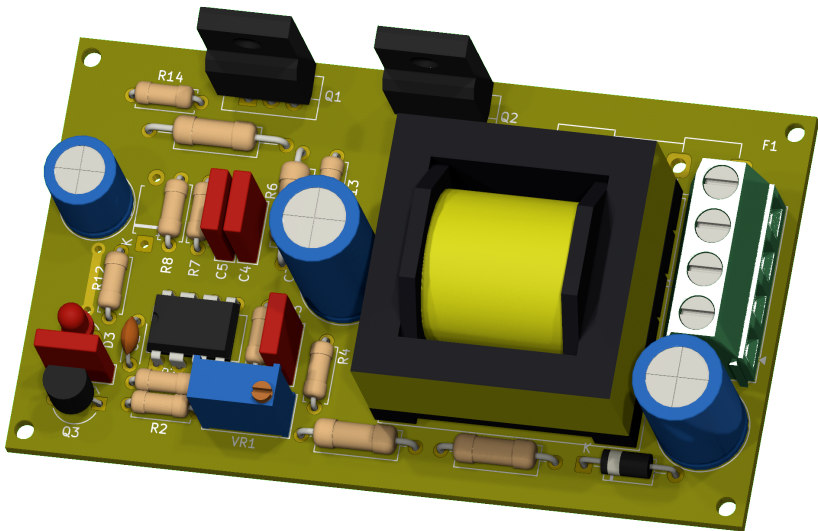
Variant: CHECKED

Rev + (Unreleased)

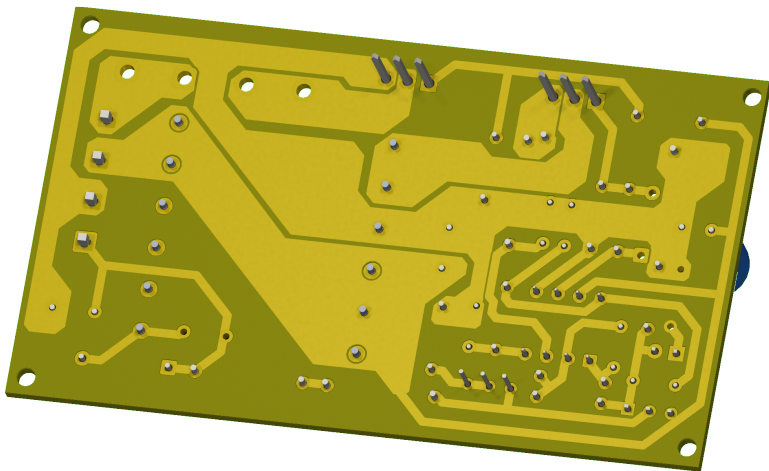
2025-12-19

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:

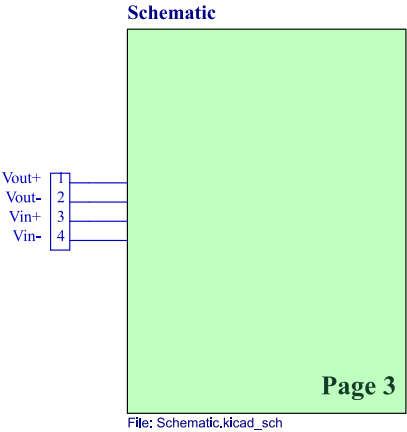
Example text for critical layout guidelines.

Date: 19-Dec-2025

	Comments:	Company: FR		Variant: CHECKED	Git Hash: df2262b
		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: df2262b
		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

	Comments:	Company: <b>FR</b>		Variant: CHECKED	Git Hash: df2262b	
		Board Name: <b>Module</b>		Project Name: <b>Step-up module 12:450 V</b>		
	Sheet Title: Schematic	File Name: Schematic.kicad_sch	Designer: FR	Date: 2025-01-12	Revision: + (Unreleased)	
	Sheet Path: /Block Diagram/Schematic/		Reviewer: NA	Size: <b>A4</b>	Sheet: <b>3</b> of <b>4</b>	

[illegible]