

Module

Random

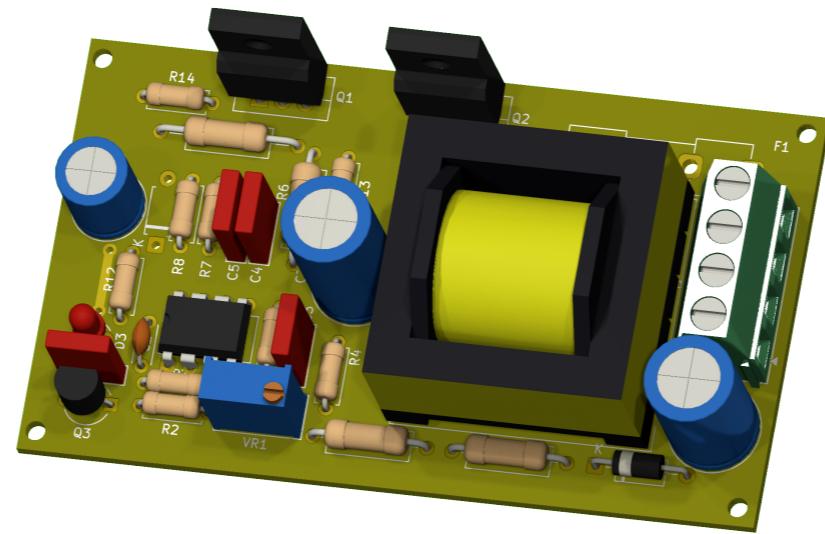
Variant: CHECKED

Rev + (Unreleased)

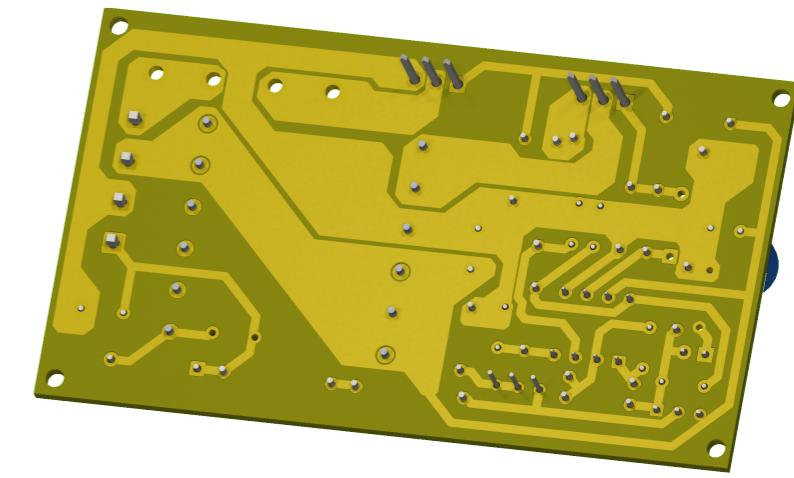
2025-12-19

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

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.

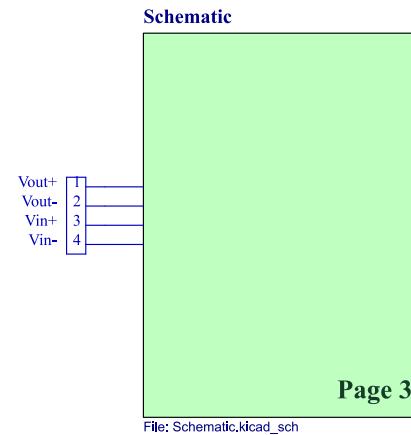
DESIGN NOTE:  
Example text for critical design notes.

LAYOUT NOTE:  
Example text for critical layout guidelines.

	Comments:	Company: FR	Variant: CHECKED	Git Hash: 9a2b306
	Board Name: <b>Module</b>	Project Name: <b>Step-up module 12:450 V</b>		
	Sheet Title:	File Name: StepUp_module_12to450V.kicad_sch	Designer: FR	Date: 2025-01-12 Revision: + (Unreleased)
	Sheet Path:	/	Reviewer: NA	Size: <b>A3</b> Sheet: <b>1 of 4</b>

# [2] Block Diagram

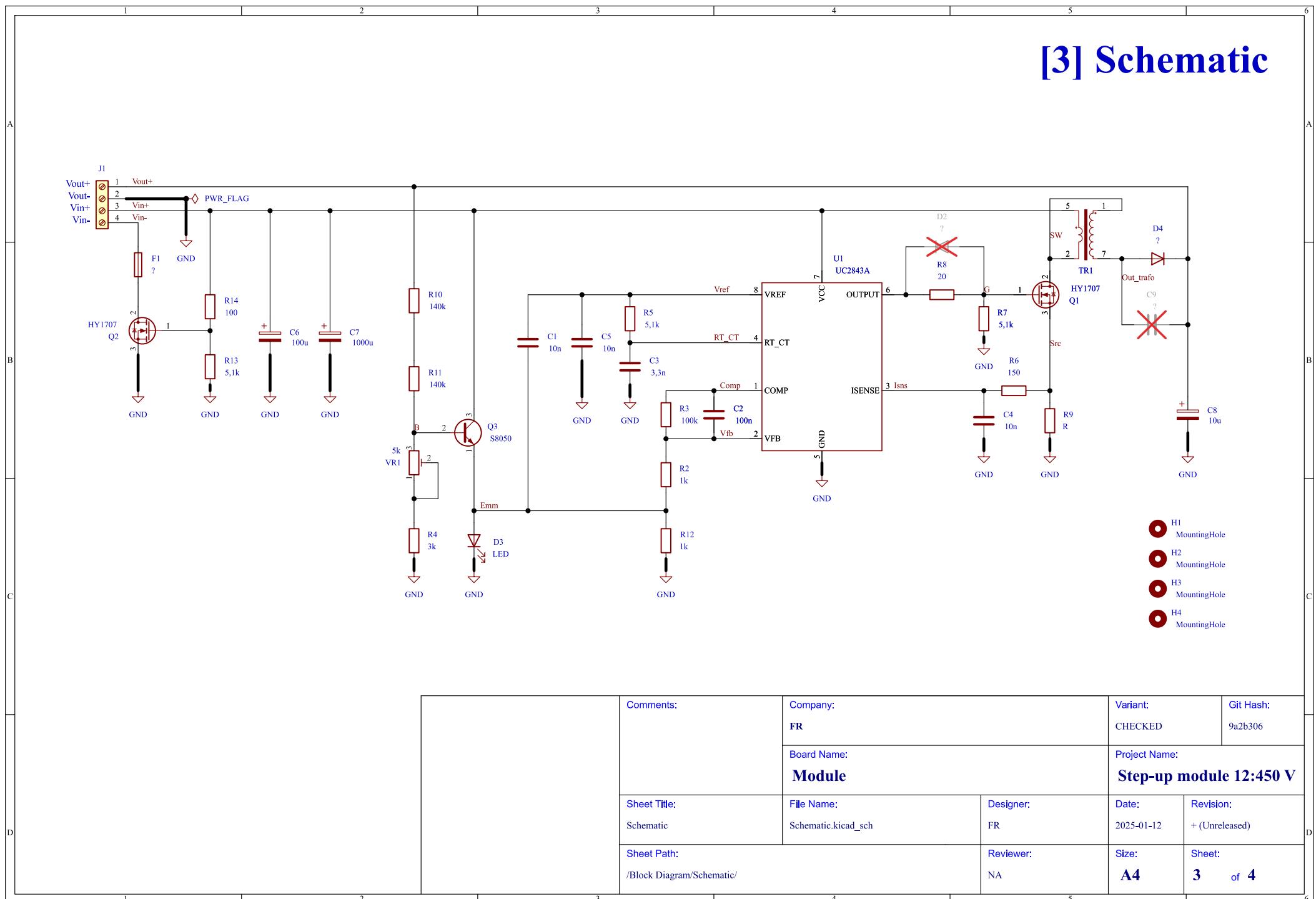
**MODULE INTERFACE:**  
 Vin: 9 V to 2 V according to  
 AliExpress product page  
 Vout: 200 V to 450 V,  
 adjustable through VR1



Page 3

	Comments: AliExpress module	Company: FR	Variant: CHECKED	Git Hash: 9a2b306
	Board Name: <b>Module</b>			Project Name: <b>Step-up module 12:450 V</b>
	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: <b>A4</b> Sheet: <b>2</b> of <b>4</b>

### [3] Schematic



## [4] Revision History

	1	2	3	4	5	6
A	<b>Version 1.0.0 - 2025-12-19</b> <hr/> <p>First issue</p> <ul style="list-style-type: none"><li>- Schematic</li><li>- PCB layout</li></ul>	<b>Version 1.0.1 - 2025-12-18</b> <hr/> <p>EMPTY1</p> <ul style="list-style-type: none"><li>- Nada</li><li>- Nic</li></ul>	<b>Version 1.0.2 - 2025-12-17</b> <hr/> <p>EMPTY2</p>	<b>Version 1.1.0 - 2025-12-16</b> <hr/> <p>EMPTY3</p>	A	
B					B	
C					C	
D			<p>Comments: "Comment 1" "Comment 2" "Comment 3" "Comment 4"</p> <p>Sheet Title: Revision History</p> <p>Sheet Path: /Revision History/</p>	<p>Company: FR</p> <p>Board Name: Module</p> <p>File Name: Revision History.kicad_sch</p>	<p>Variant: CHECKED</p> <p>Project Name: <b>Step-up module 12:450 V</b></p> <p>Designer: FR</p> <p>Reviewer: NA</p>	<p>Git Hash: 9a2b306</p> <p>Date: 2025-01-12</p> <p>Revision: + (Unreleased)</p> <p>Size: <b>A4</b></p> <p>Sheet: <b>4 of 4</b></p>