

LAN8742A-breakout-board

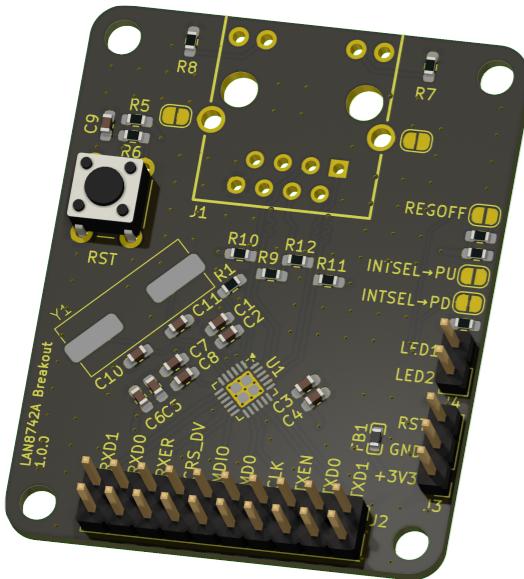
Variant: PRELIMINARY

2025-10-08

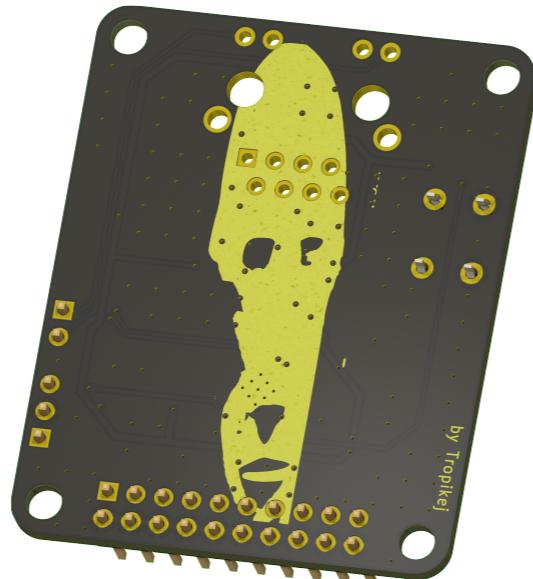
Rev + (Unreleased)

Page	Index	Page	Index	Page	Index	Page	Index
1	Cover Page	11	21	31
2	Block Diagram	12	22	32
3	Project Architecture	13	23	33
4	LAN8742A breakout	14	24	34
5	Power - Sequencing	15	25	35
6	Revision History	16	26	36
7	17	27	37
8	18	28	38
9	19	29	39
10	20	30	40

TOP VIEW



BOTTOM VIEW



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.

NOTES

Comment

Not fitted components are marked as

DRAFT - Very early stage of schematic, ignore details.

PRELIMINARY - Close to final schematic.

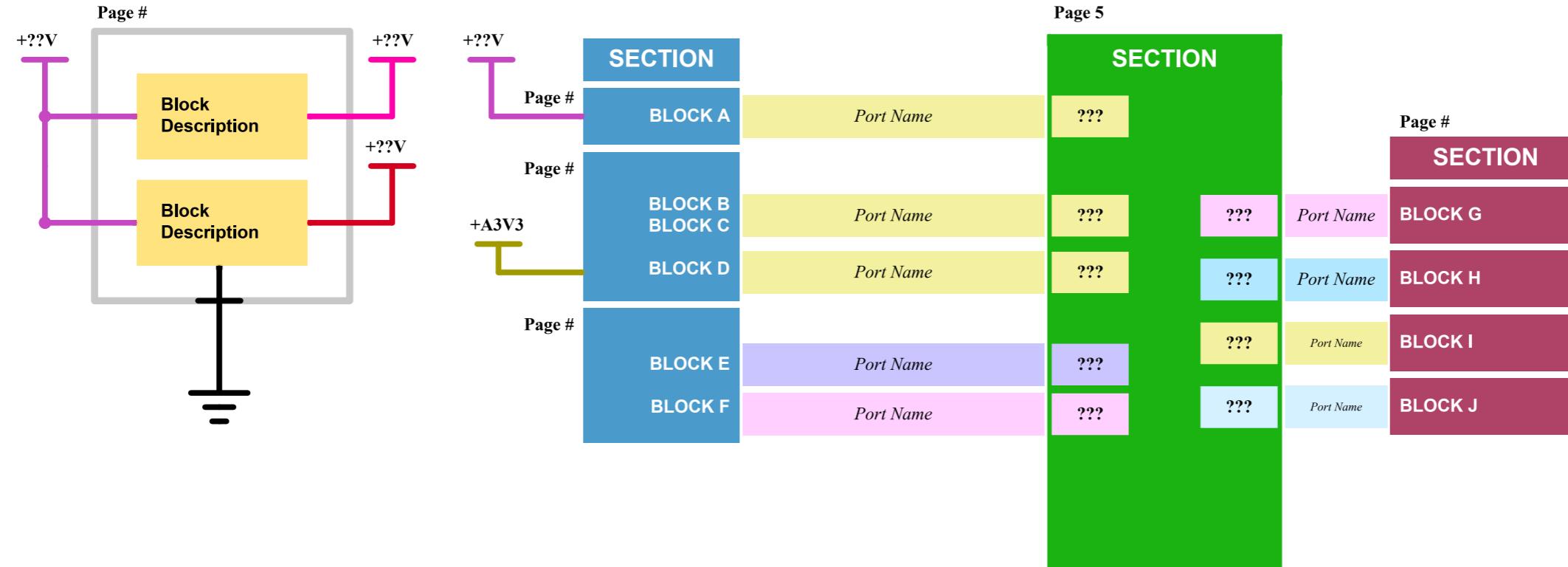
CHECKED - There shouldn't be any mistakes. Contact the engineer if you find any.

RELEASED - A board with this schematic has been sent to production.

Date: 08-Oct-2025

Comments:	Company: PatapimLabs	Variant: PRELIMINARY	Git Hash: 0fae436
Board Name: LAN8742A-breakout-board	Project Name: LAN8742A Breakout		
Sheet Title: File Name: LAN8742A-breakout.kicad_sch	Designer: Tropikej	Date: 2025-01-12	Revision: + (Unreleased)
Sheet Path: /	Reviewer:	Size: A3	Sheet: 1 of 6

[2] Block Diagram

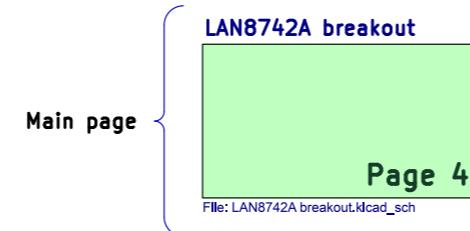


Target specifications:

Input voltage:	?? - ?? V
Spec 2	??
Spec 3	??
Spec 4	??

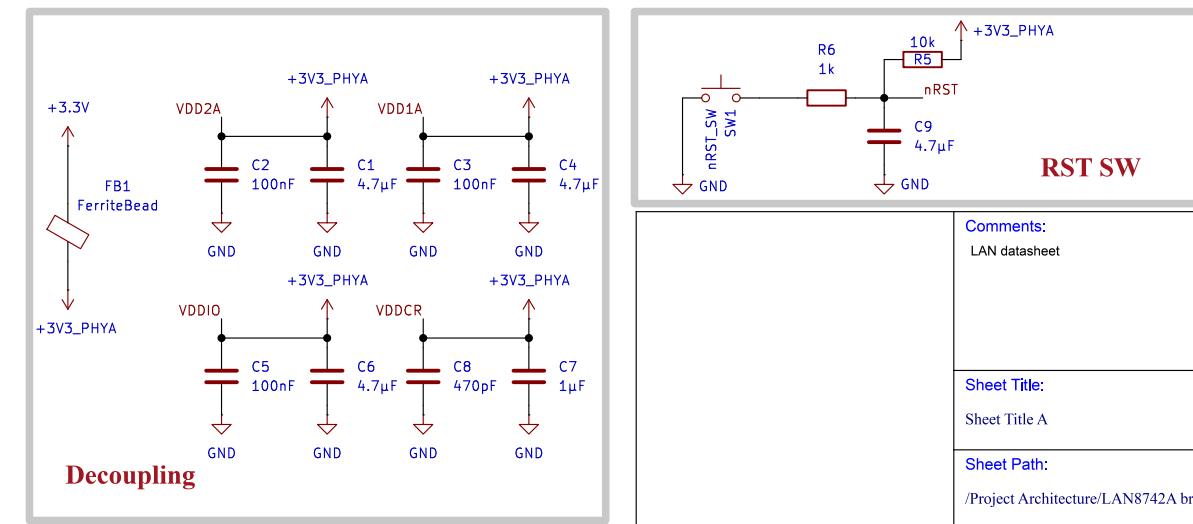
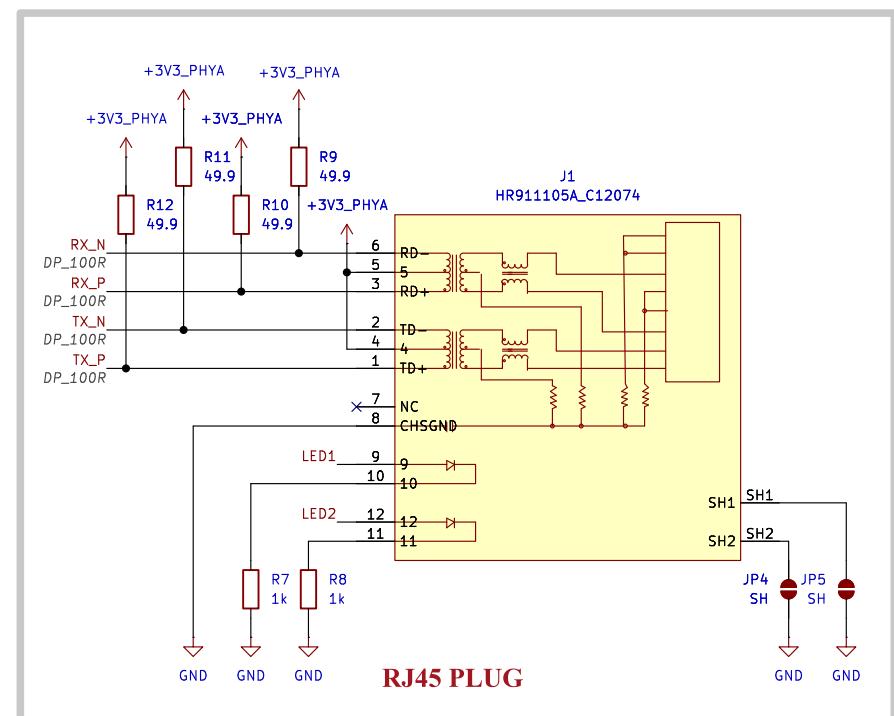
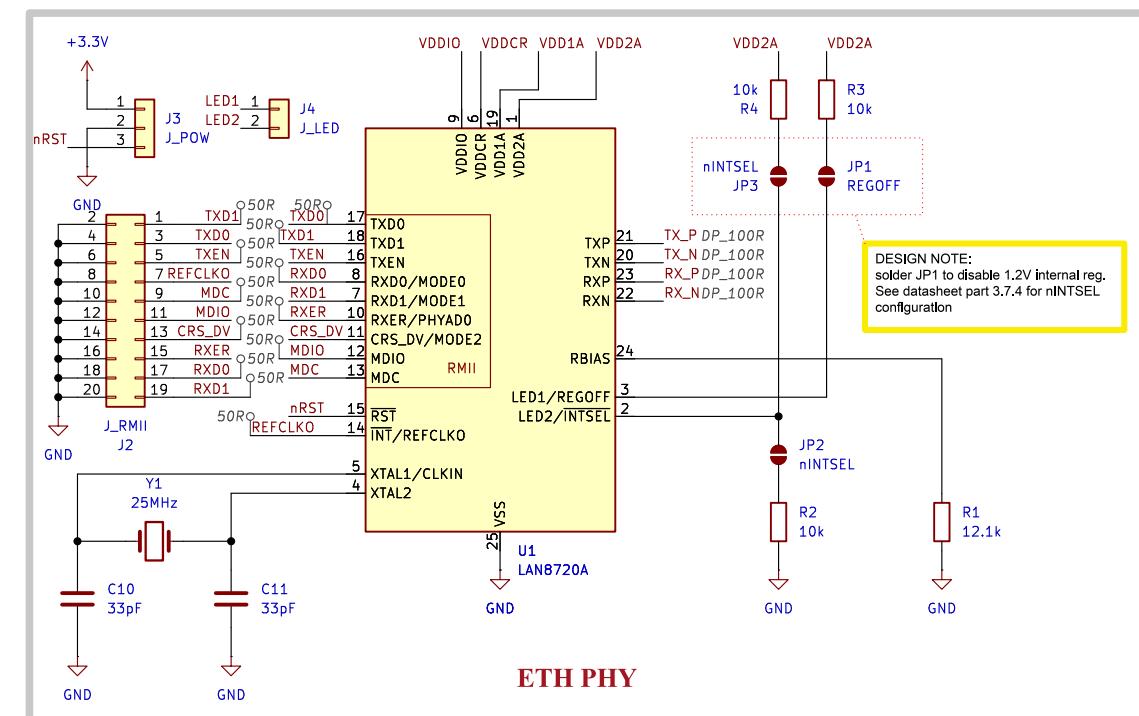
	Comments:	Company: PatapimLabs	Variant: PRELIMINARY	Git Hash: 0fae436
	Board Name: LAN8742A-breakout-board	Project Name: LAN8742A Breakout		
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: Tropikej	Date: 2025-01-12 + (Unreleased)
	Sheet Path: /Block Diagram/	Reviewer:	Size: A3	Sheet: 2 of 6

[3] Project Architecture



	Comments:	Company: PatapimLabs	Variant: PRELIMINARY	Git Hash: 0fae436
	Board Name: LAN8742A-breakout-board	Project Name: LAN8742A Breakout		
	Sheet Title: Project Architecture	File Name: Project Architecture.kicad_sch	Designer: Tropikej	Date: 2025-01-12 + (Unreleased)
	Sheet Path: /Project Architecture/	Reviewer:	Size: A3	Sheet: 3 of 6

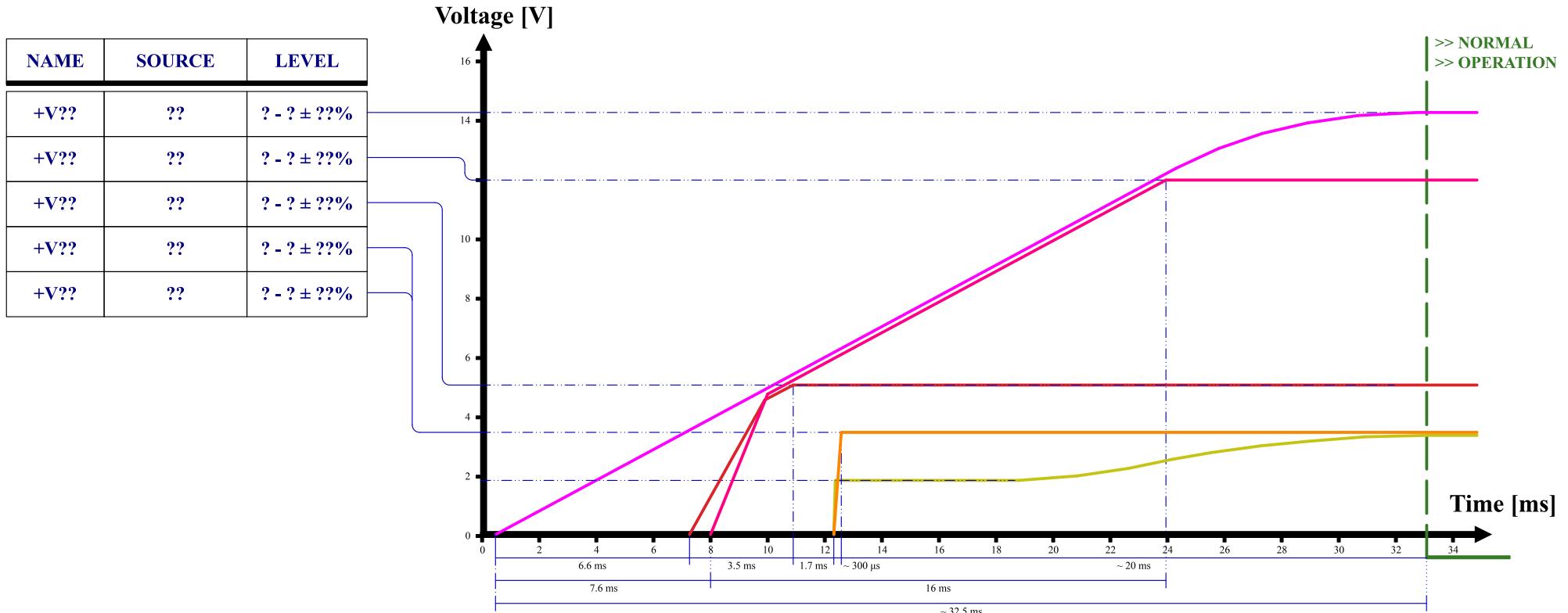
[4] Sheet Title A



Company: PatapimLabs	Variant: PRELIMINARY	Git Hash: 0fae436	
Board Name: LAN8742A-breakout-board	Project Name: LAN8742A Breakout		
File Name: LAN8742A breakout.kicad_sch	Designer: Tropikej	Date: 2025-01-12	Revision: + (Unreleased)
breakout/	Reviewer:	Size: A4	Sheet: 4 of 6

[6] Power - Sequencing

A



B

C

D

	Comments: Board Name: LAN8742A-breakout-board	Company: PatapimLabs		Variant: PRELIMINARY	Git Hash: 0fae436
		Project Name: LAN8742A Breakout			
		Sheet Title: Power - Sequencing	File Name: Power - Sequencing.kicad_sch	Designer: Tropikej	Date: 2025-01-12 Revision: + (Unreleased)
Sheet Path: /Power - Sequencing/			Reviewer:	Size: A4	Sheet: 6 of 6

[7] Revision History

A					A
B					B
C					C
D					D

		Comments:	Company: PatapimLabs	Variant: PRELIMINARY	Git Hash: 0fae436
			Board Name: LAN8742A-breakout-board		Project Name: LAN8742A Breakout
		Sheet Title: Revision History	File Name: Revision History.kicad_sch	Designer: Tropikej	Date: 2025-01-12 Revision: + (Unreleased)
		Sheet Path: /Revision History/		Reviewer:	Size: A4 Sheet: 7 of 6