

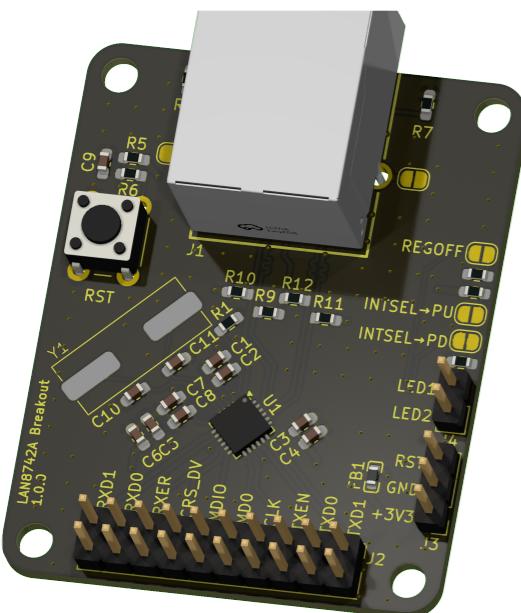
LAN8742A-breakout-board

2025-10-09

Variant: PRELIMINARY

Rev + (Unreleased)

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DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for
informational design
notes.

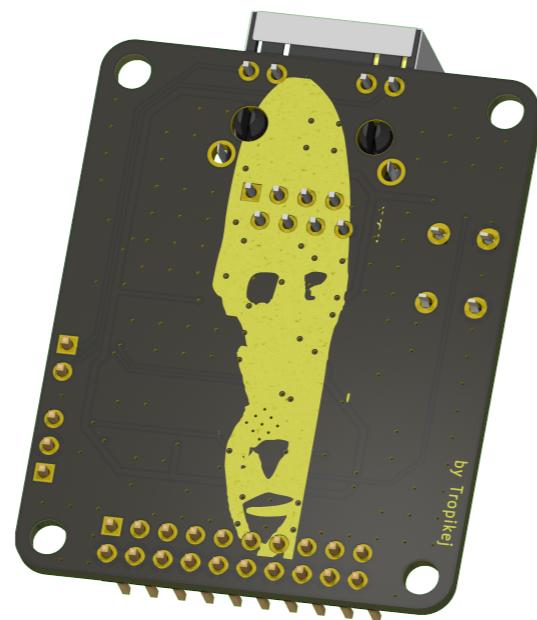
DESIGN NOTE:
Example text for
debug notes.

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.

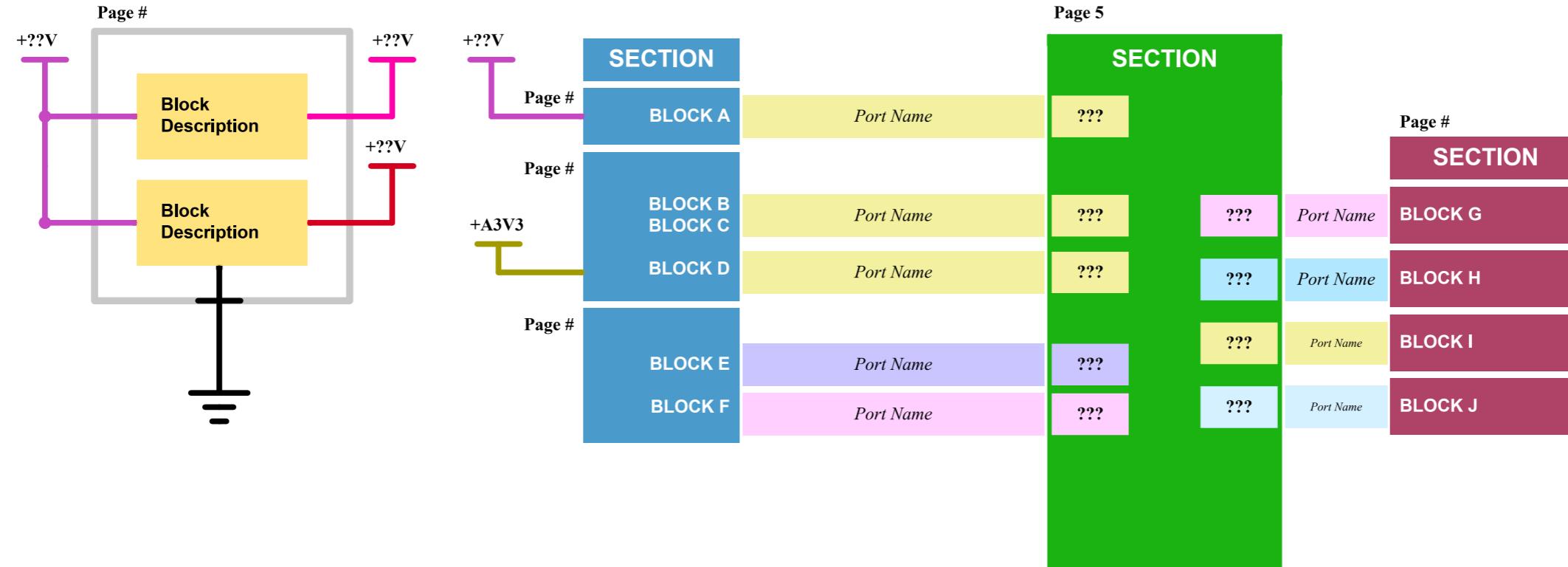
RELEASED - A board with this schematic has been sent to production.

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: 09-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

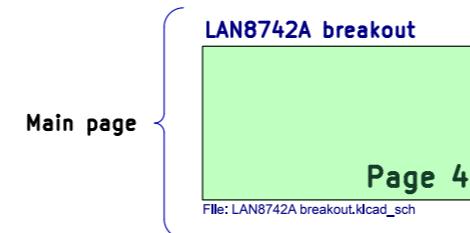


Target specifications:

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

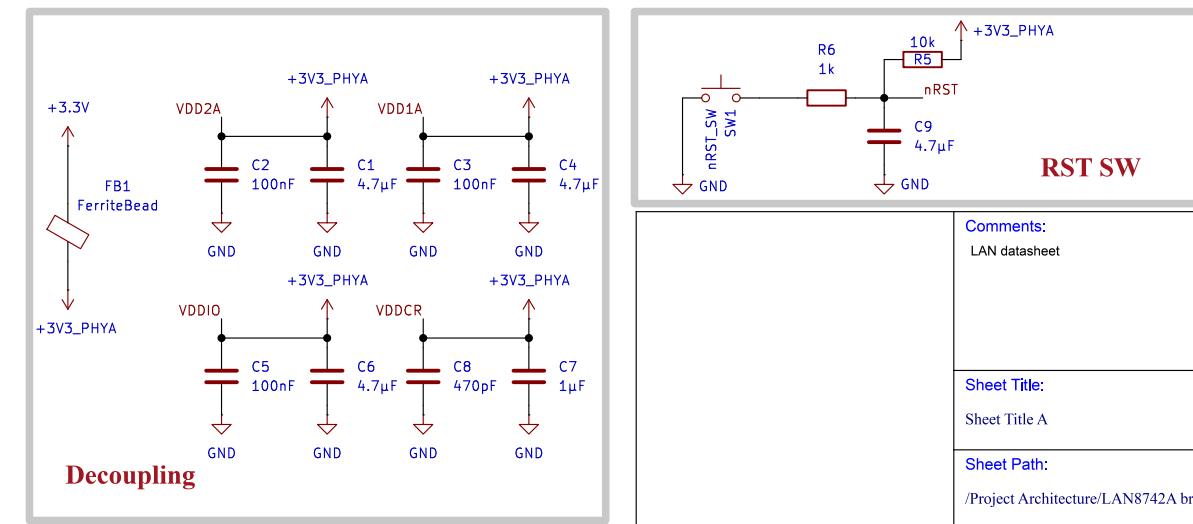
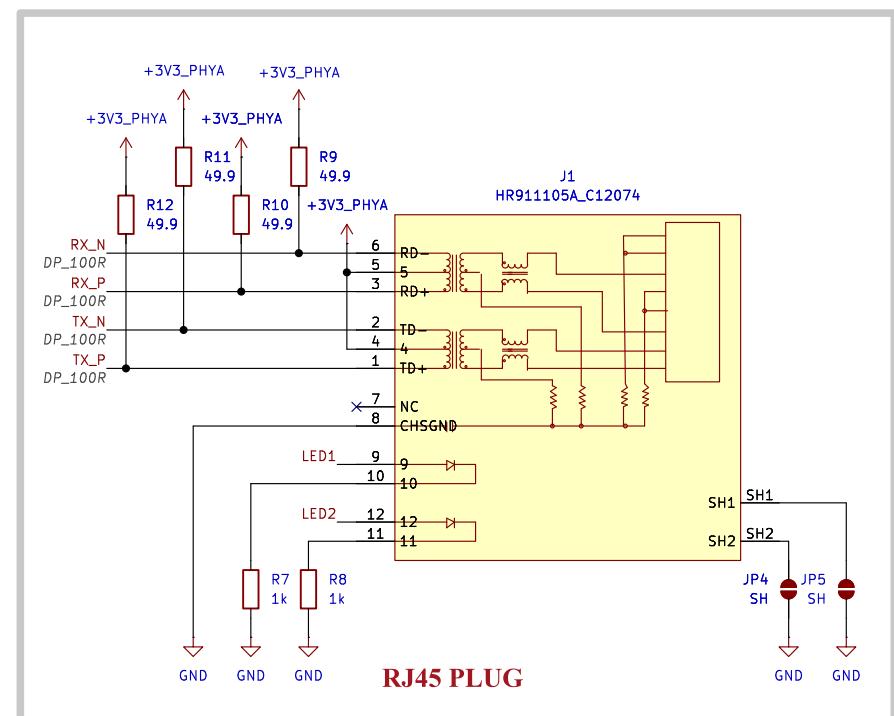
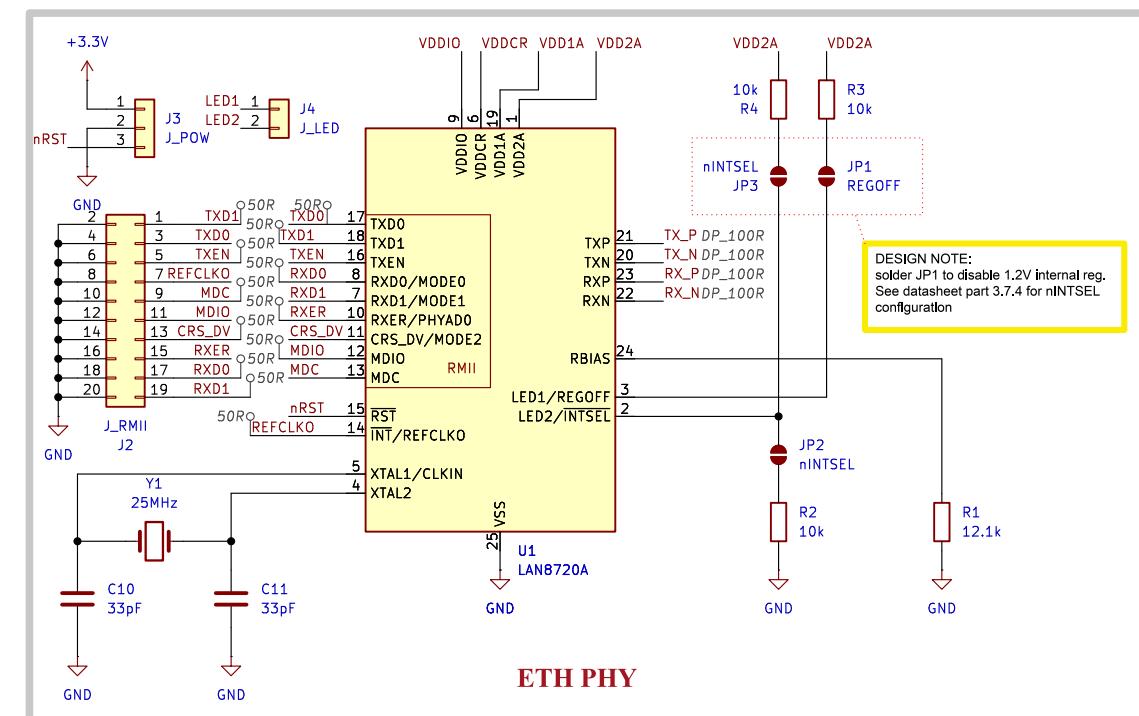
	Comments:	Company: PatapimLabs	Variant: PRELIMINARY	Git Hash: 0fae436
	Board Name: LAN8742A-breakout-board	Project Name: LAN8742A Breakout		
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: Tropikej	Date: 2025-01-12 + (Unreleased)
	Sheet Path: /Block Diagram/	Reviewer:		Size: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

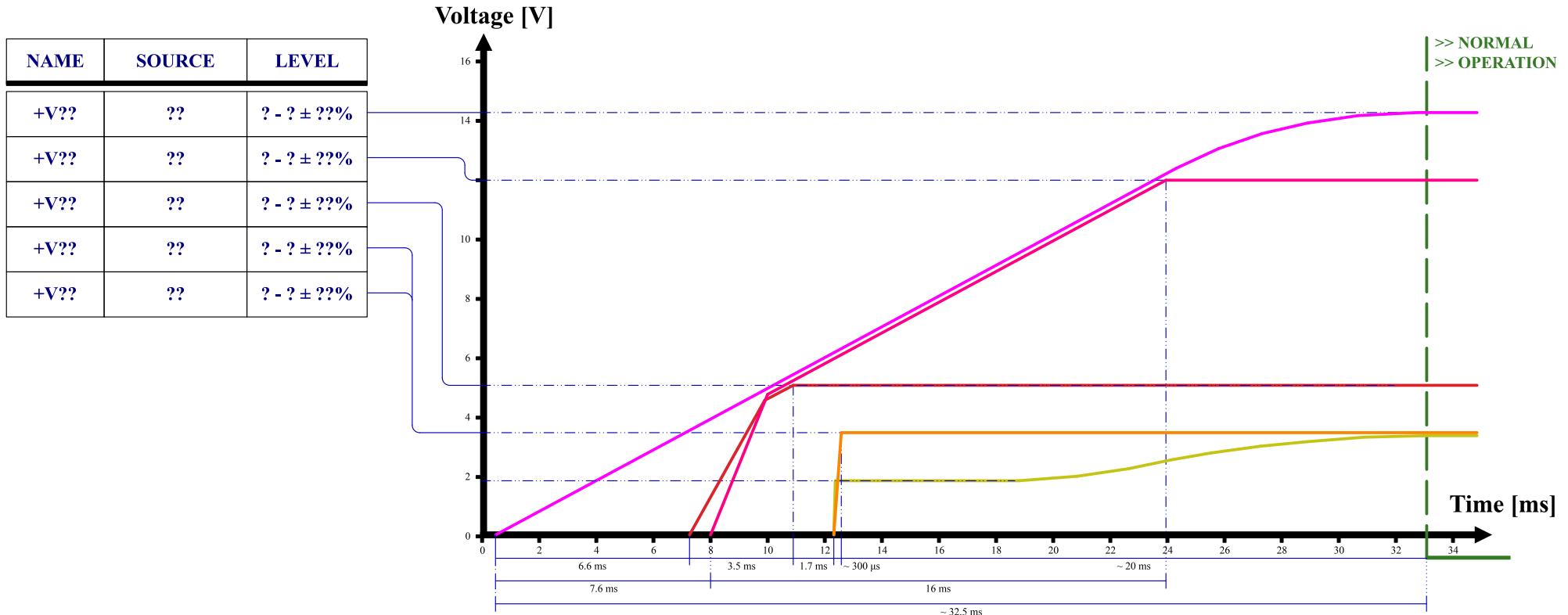
[4] Sheet Title A



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 + (Unreleased)
Reviewer:	Size: A4	Sheet: 4 of 6
breakout/		

[6] Power - Sequencing

A



B

C

D

		Comments:	Company: PatapimLabs		Variant: PRELIMINARY	Git Hash: 0fae436
			Board Name: LAN8742A-breakout-board			
		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

	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