

LAN8742A-breakout-board

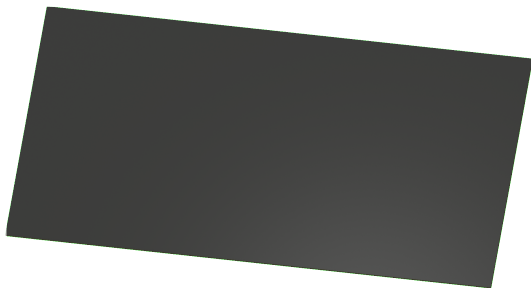
Variant: DRAFT

2025-10-07

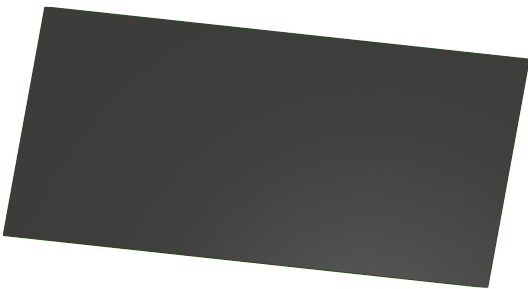
Rev + (Unreleased)

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TOP VIEW



BOTTOM VIEW



NOTES

Comment

Not fitted components are marked as **X**

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: 07-Oct-2025

DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational design notes.

DESIGN NOTE:
Example text for debug notes.

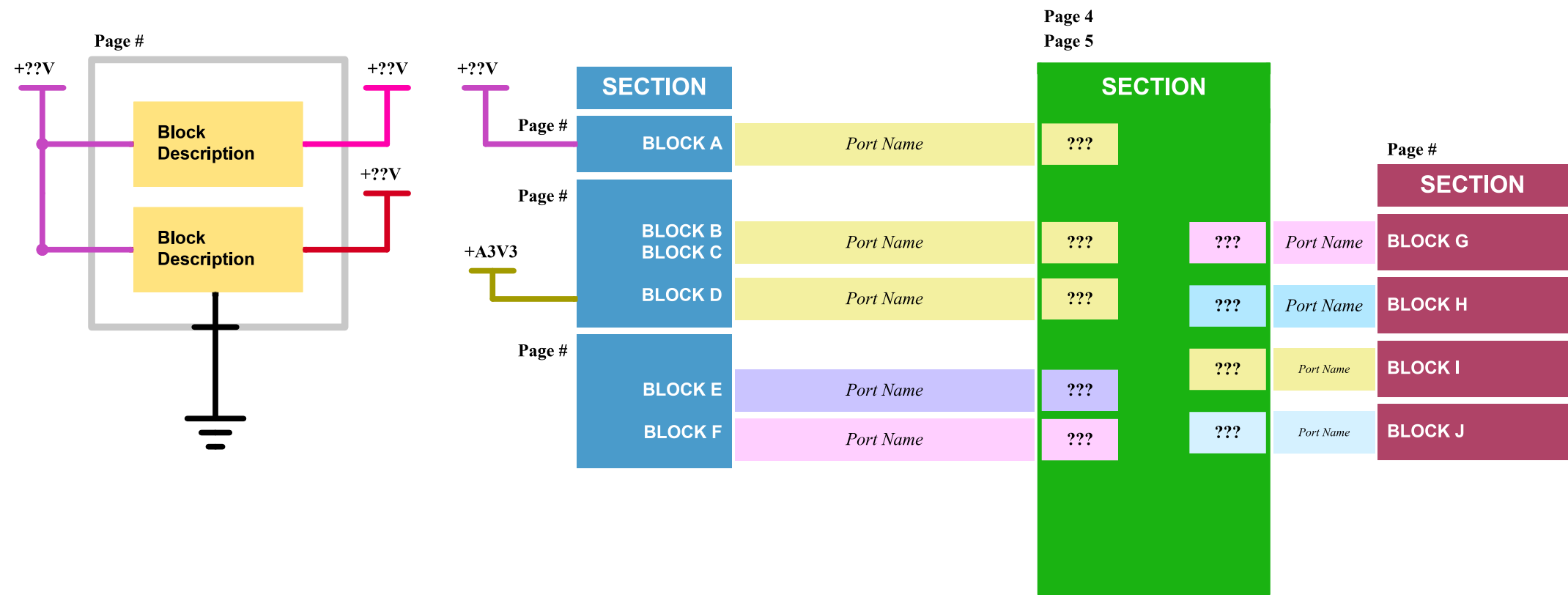
DESIGN NOTE:
Example text for cautionary design notes.

DESIGN NOTE:
Example text for critical design notes.

LAYOUT NOTE:
Example text for critical layout guidelines.

	Comments:	Company: PatapimLabs		Variant: DRAFT	Git Hash: 0fac436
	Sheet Title:	Board Name: LAN8742A-breakout-board		Project Name: LAN8742A Breakout	
	Sheet Path: /	File Name: LAN8742A-breakout.kicad_sch	Designer: Tropikej	Date: 2025-01-12	Revision: + (Unreleased)
			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: DRAFT	Git Hash: 0fac436
		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	Revision: + (Unreleased)
Sheet Path: /Block Diagram/			Reviewer:	Size: A3	Sheet: 2 of 6

[3] Project Architecture

Main page {

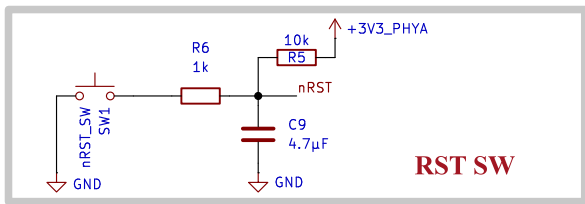
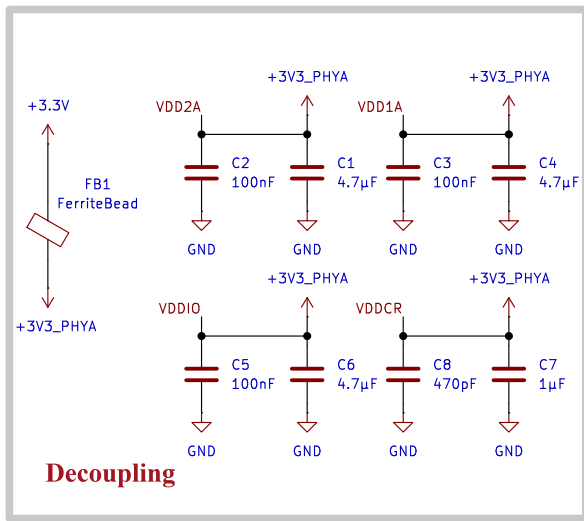
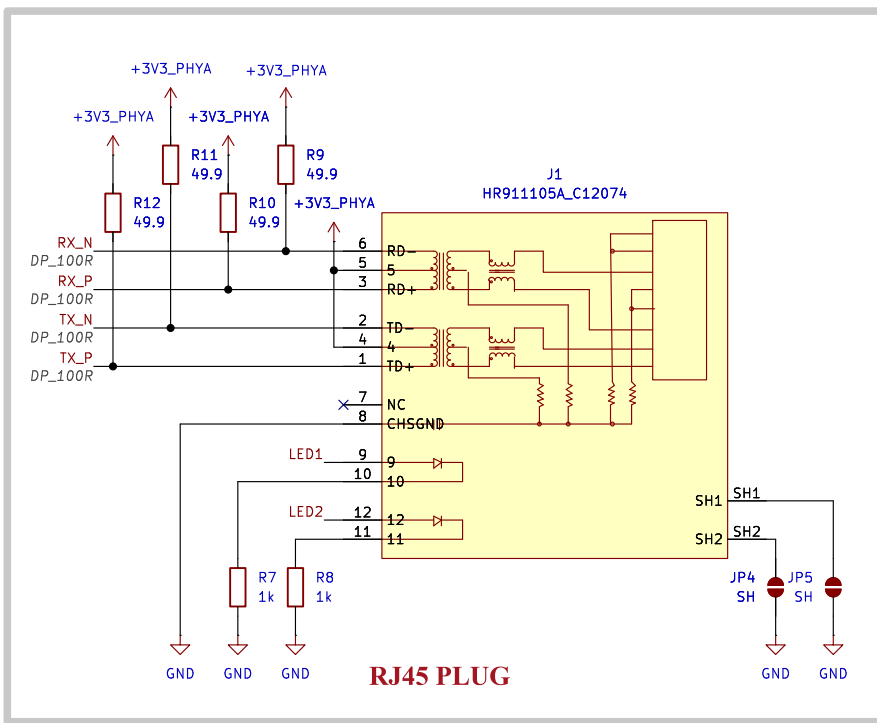
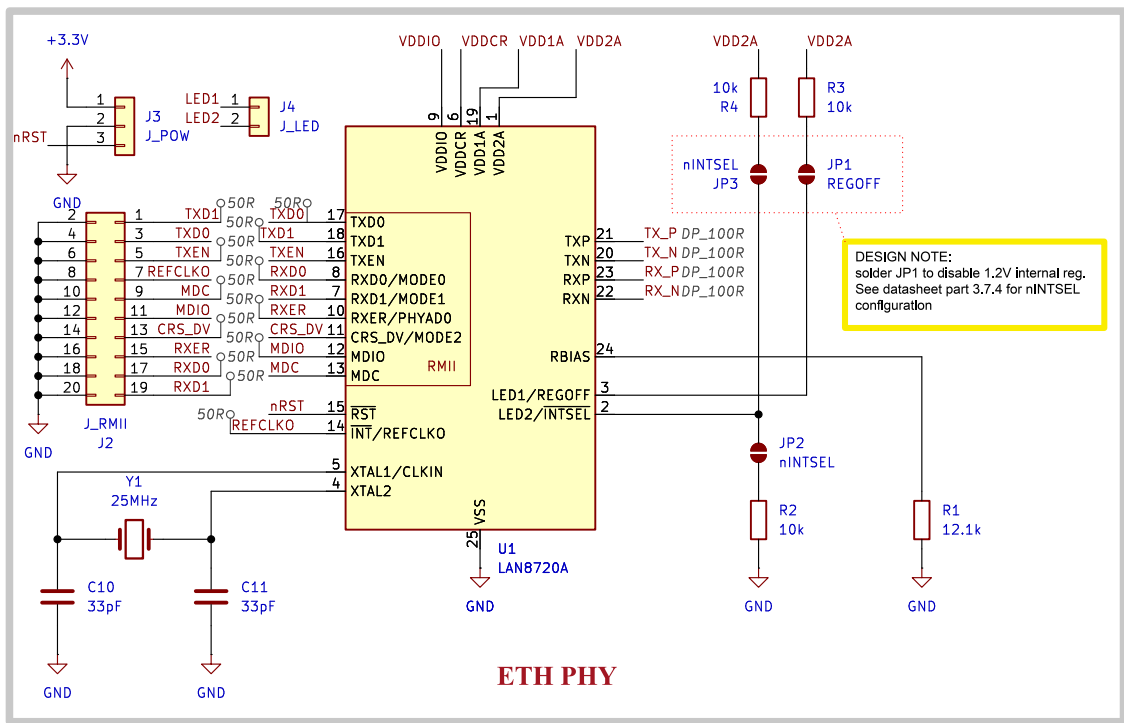
LAN8742A breakout

Page 4

File: LAN8742A breakout.kicad_sch

	Comments:	Company: PatapimLabs		Variant: DRAFT	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	Revision: + (Unreleased)
	Sheet Path: /Project Architecture/		Reviewer:	Size: A3	Sheet: 3 of 6

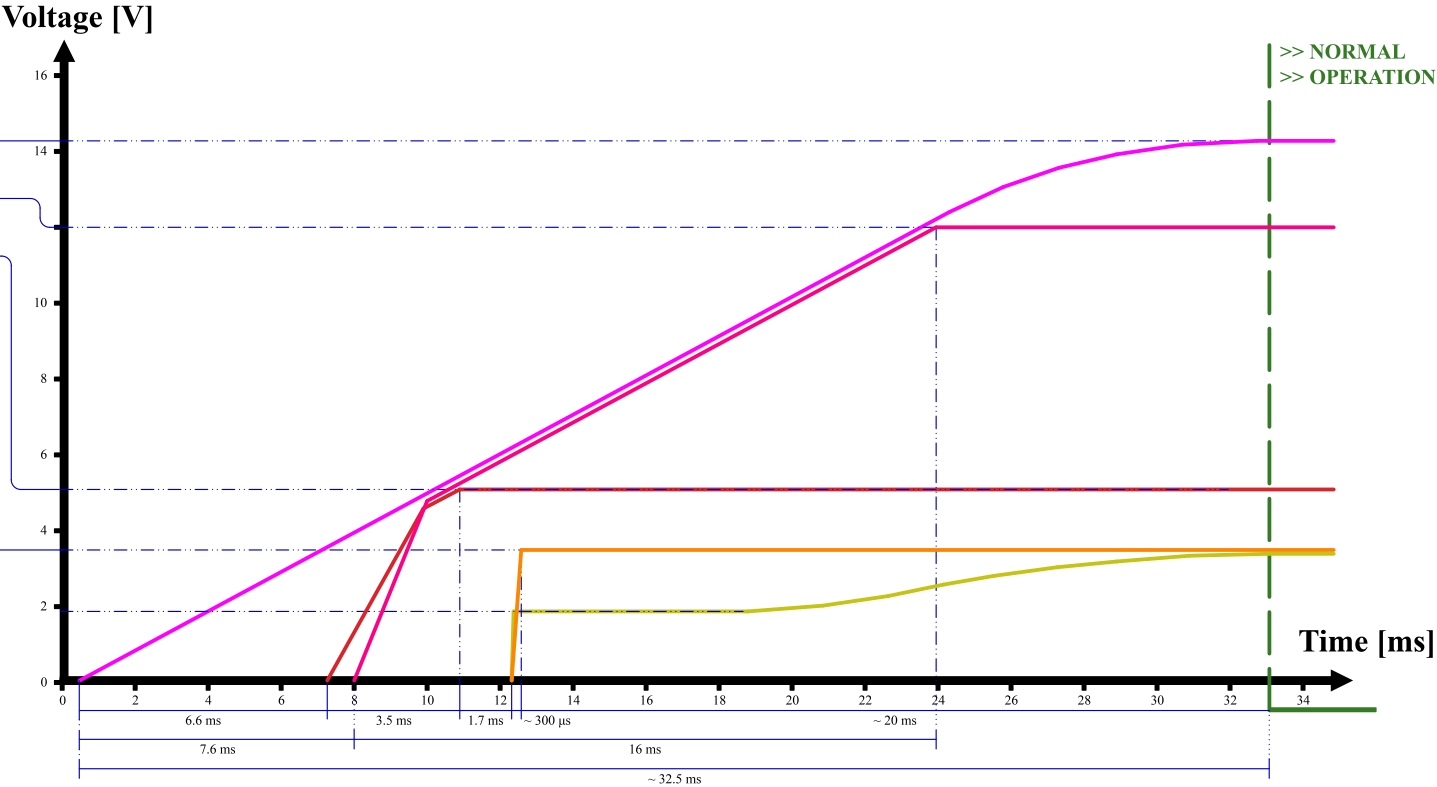
[4] Sheet Title A



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

[6] Power - Sequencing

NAME	SOURCE	LEVEL
+V??	??	? - ? ± ??%
+V??	??	? - ? ± ??%
+V??	??	? - ? ± ??%
+V??	??	? - ? ± ??%
+V??	??	? - ? ± ??%



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

[7] Revision History

	Comments:	Company: PatapimLabs		Variant: DRAFT	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