

Board Name

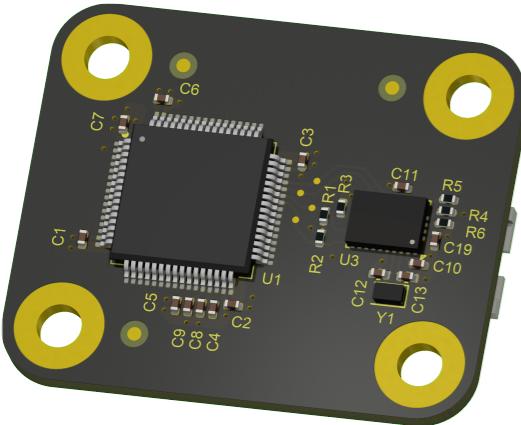
2025-03-02

Variant: RELEASED

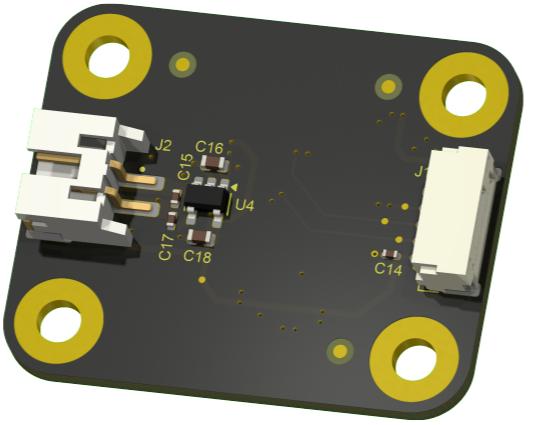
Rev 1.0.1

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TOP VIEW



BOTTOM VIEW



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.

DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for
informational design
notes.

DESIGN NOTE:
Example text for
debug notes.

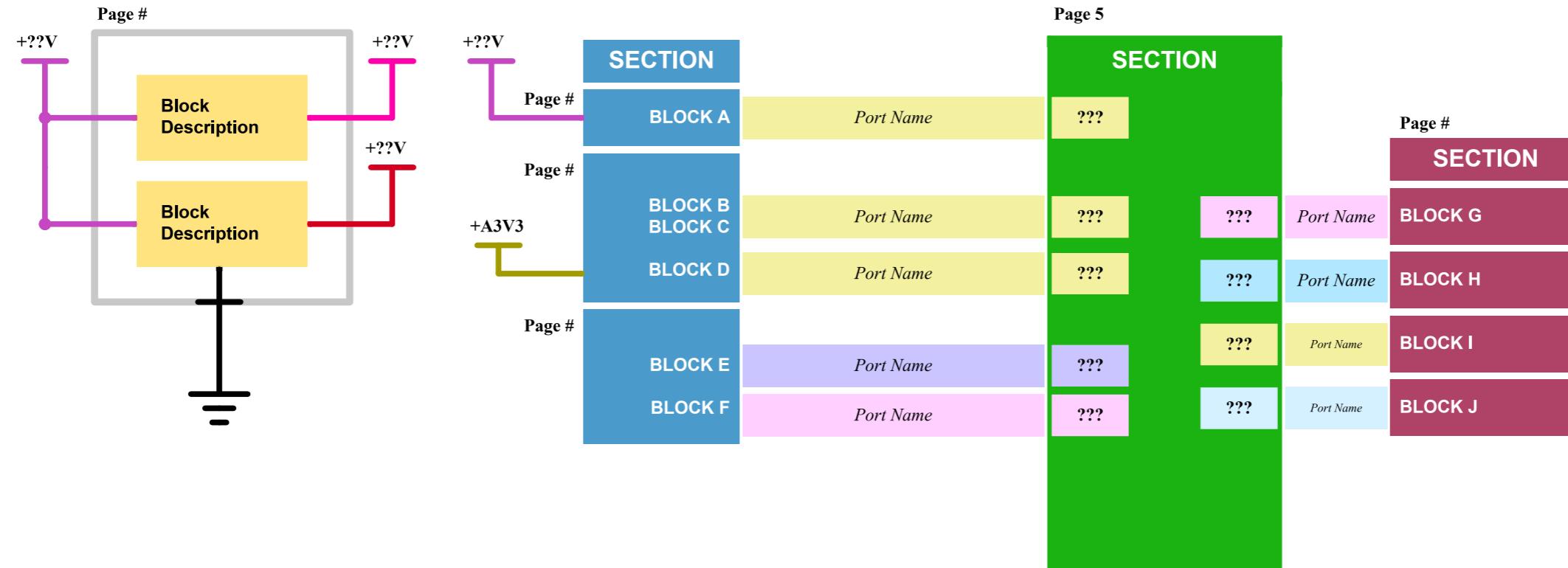
DESIGN NOTE:
Example text for
cautionary design
notes.

DESIGN NOTE: Example text for critical design notes.

LAYOUT NOTE:
Example text for
critical layout
guidelines.

	Comments:	Company: Company Name	Variant: RELEASED	Git Hash: 66844dc
		Board Name: Board Name	Project Name: Project Name	
	Sheet Title:	File Name: KiBot_Project_Test.kicad_sch	Designer: Author	Date: 2025-01-12 Revision: 1.0.1
	Sheet Path: /		Reviewer:	Size: A3 Sheet: 1 of 8

[2] Block Diagram

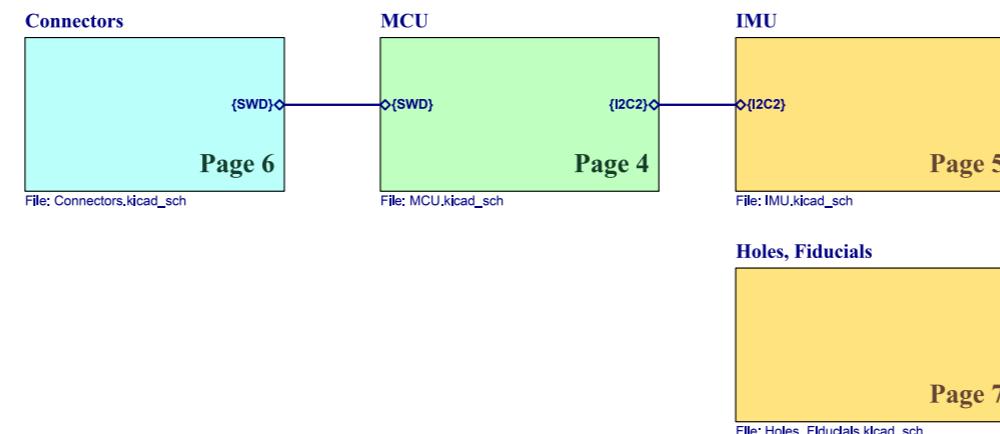


Target specifications:

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

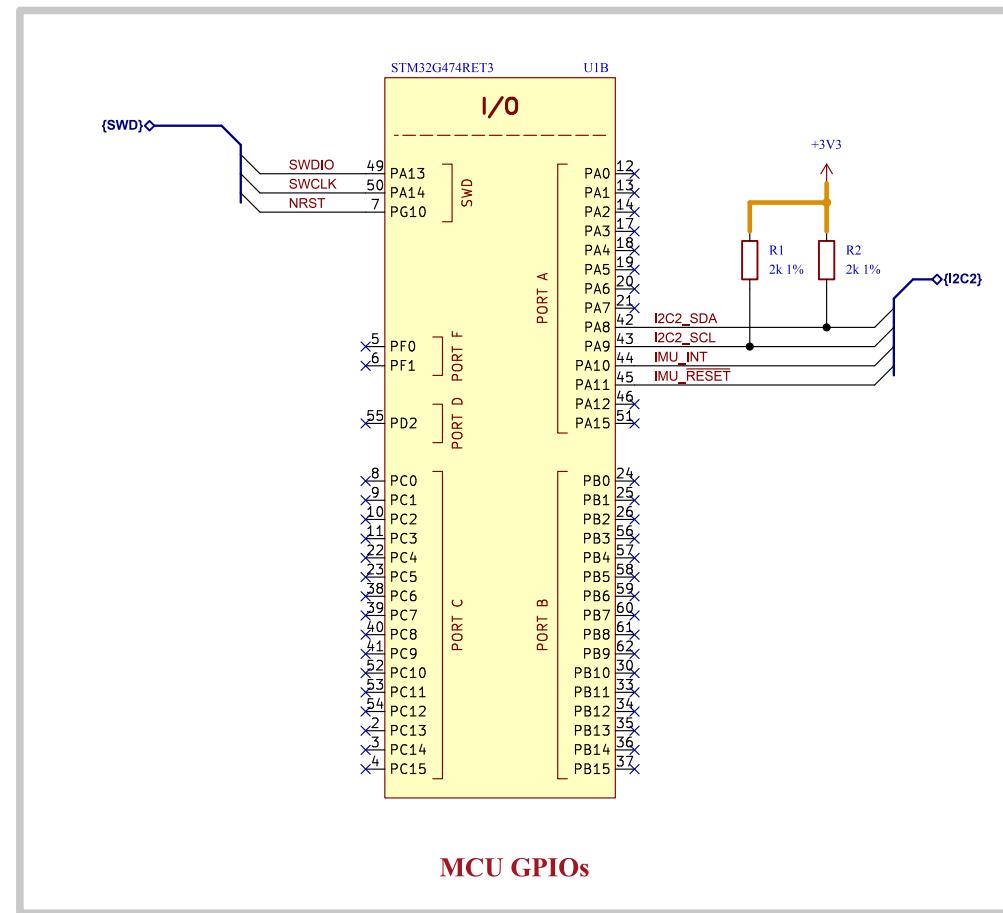
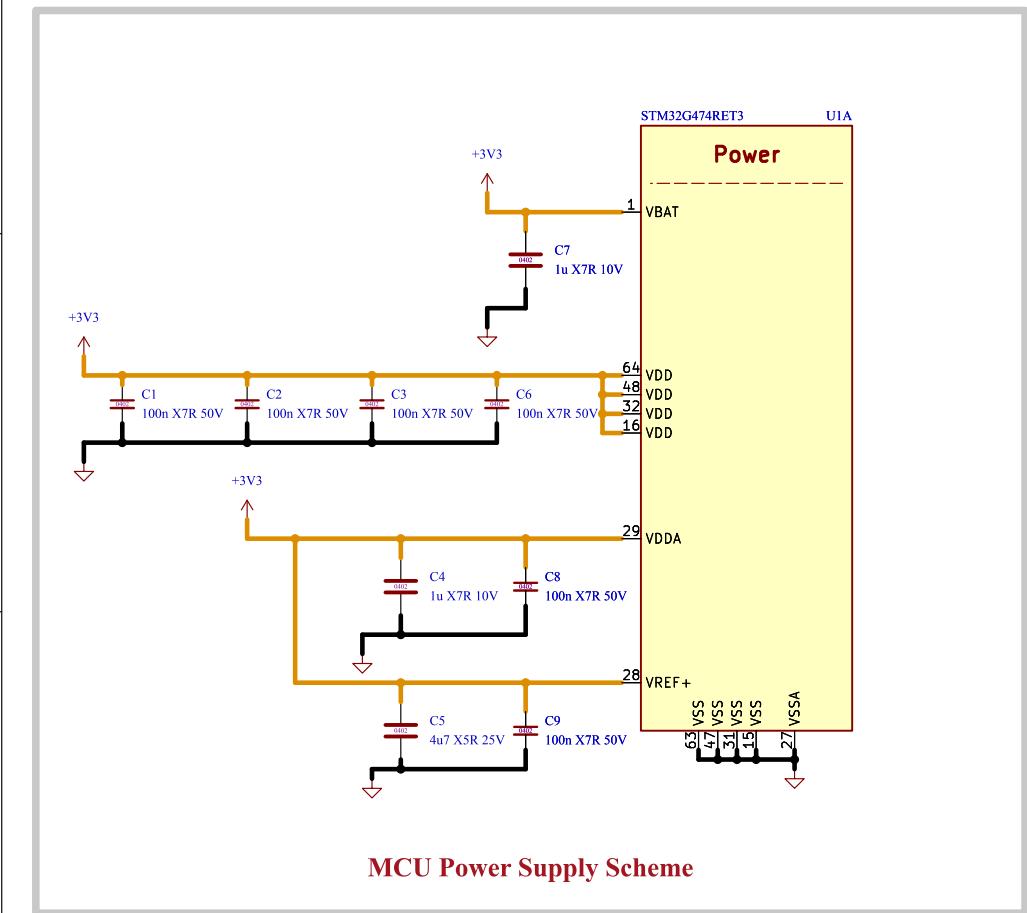
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		Board Name: Board Name	Project Name: Project Name	
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: Author	Date: 2025-01-12
	Sheet Path: /Block Diagram/		Reviewer:	Size: A3
				Sheet: 2 of 8

[3] Project Architecture



	Comments:	Company: Company Name	Variant: RELEASED	Git Hash: 66844dc
	Board Name: Board Name		Project Name: Project Name	
	Sheet Title: Project Architecture	File Name: Project Architecture.kicad_sch	Designer: Author	Date: 2025-01-12
	Sheet Path: /Project Architecture/		Reviewer:	Size: A3 Sheet: 3 of 8

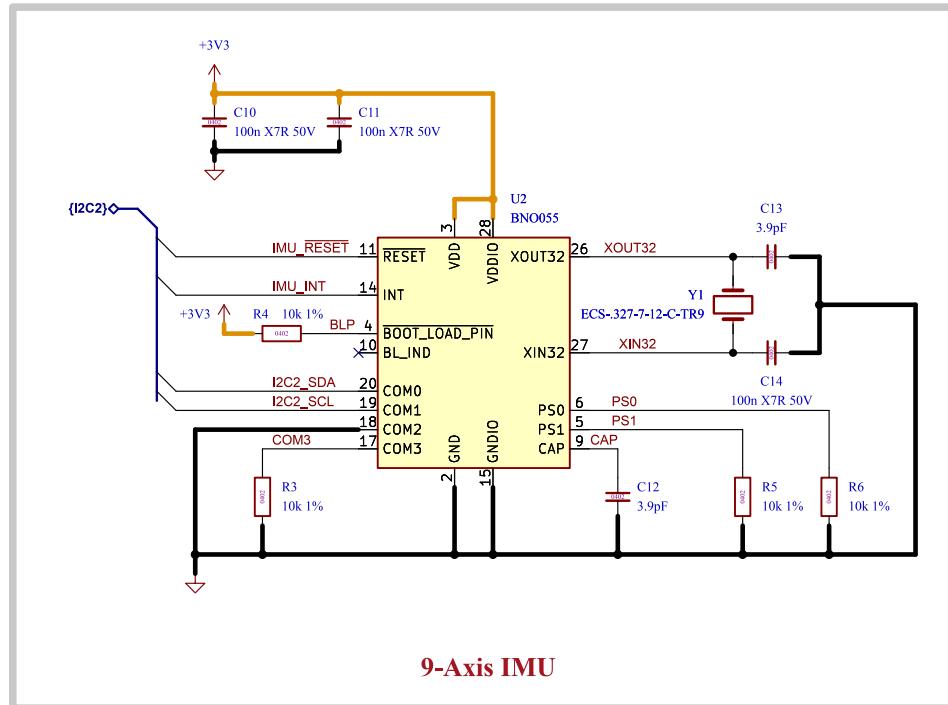
[4] MCU



Comments: AN5346 STM32G474 Datasheet p.81 J. Pieper ADC investigation	Company: Company Name	Variant: RELEASED	Git Hash: 66844dc
Board Name: Board Name	Project Name: Project Name		
Sheet Title: MCU	File Name: MCU.kicad_sch	Designer: Author	Date: 2025-01-12
Sheet Path: /Project Architecture/MCU/	Reviewer:	Size: A4	Sheet: 4 of 8

[5] IMU

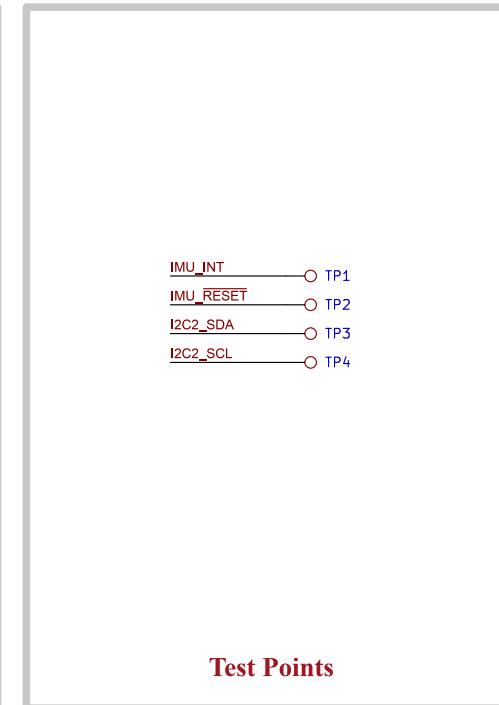
A



IMU_INT
 IMU_RESET
 I2C2_SDA
 I2C2_SCL

Test Points

B



C

1

	Comments: Company: Company Name	Variant: RELEASED	Git Hash: 66844dc
	Board Name: Board Name	Project Name: Project Name	
	Sheet Title: IMU	File Name: IMU.kicad_sch	Designer: Author
	Sheet Path: /Project Architecture/IMU/		Reviewer: Size: A4
	Date: 2025-01-12		Revision: 1.0.1
	Sheet: 5 of 8		

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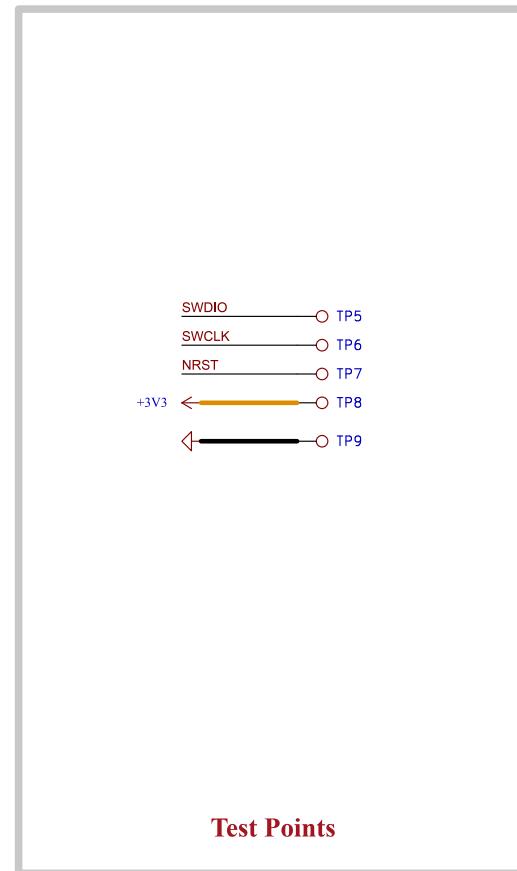
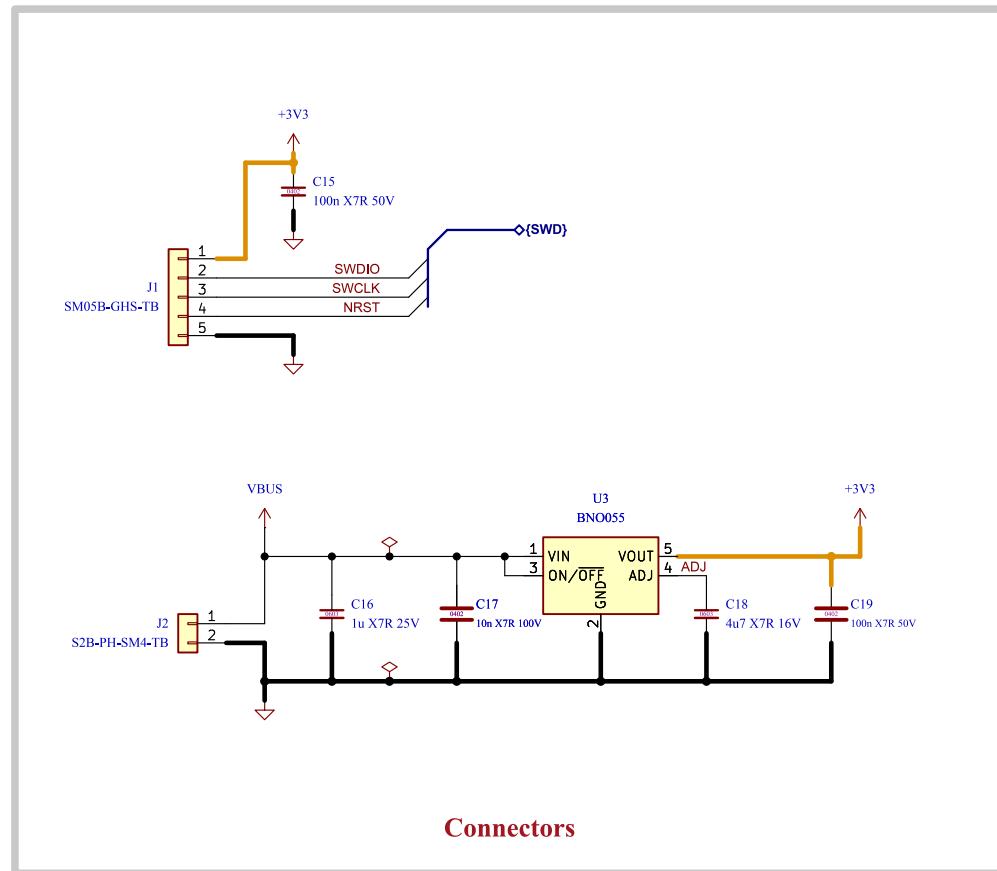
3

4

5

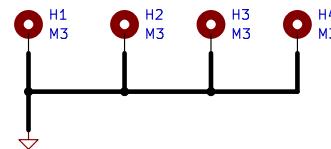
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[6] Connectors



	Comments: Company: Company Name	Variant: RELEASED	Git Hash: 66844dc
	Board Name: Board Name	Project Name: Project Name	
	Sheet Title: Connectors	File Name: Connectors.kicad_sch	Designer: Author
	Sheet Path: /Project Architecture/Connectors/		Reviewer: Size: A4
			Date: 1.0.1
			Revision: 6 of 8

[7] Holes, Fiducials



Mounting Holes

Front

- FD1
- FD2
- FD3

Bottom

- FD4
- FD5
- FD6

Fiducial Markers

	Comments:	Company: Company Name	Variant: RELEASED	Git Hash: 66844dc
	Board Name: Board Name			Project Name: Project Name
	Sheet Title: Holes, Fiducials	File Name: Holes, Fiducials.kicad_sch	Designer: Author	Date: 2025-01-24 Revision: 1.0.1
	Sheet Path: /Project Architecture/Holes, Fiducials/			Reviewer: Size: A4 Sheet: 7 of 8

[8] Revision History

A

Version 1.0.0 - 2025-03-02

Added

- First version of the PCB and schematic.

B

Version 1.0.1 - 2025-03-02

Changed

- Moved the SWCLK trace away.

C

D

A

B

C

D

	Comments:	Company: Company Name	Variant: RELEASED	Git Hash: 66844dc
	Board Name: Board Name	Project Name: Project Name		
	Sheet Title: Revision History	File Name: Revision History.kicad_sch	Designer: Author	Date: 2025-01-12 Revision: 1.0.1
	Sheet Path: <i>/Revision History/</i>		Reviewer:	Size: A4 Sheet: 8 of 8