

Random Board

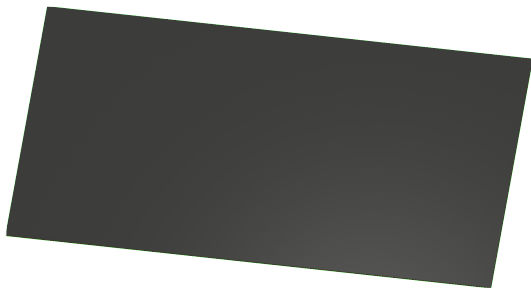
Variant: DRAFT

2025-01-21

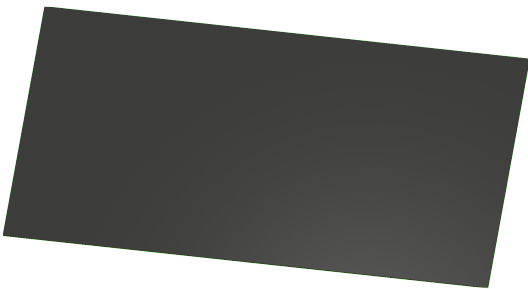
Rev + (Unreleased)

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	MCU	14		24		34	
5	IMU	15		25		35	
6	Connectors	16		26		36	
7	Revision History	17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

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: 21-Jan-2025

DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational design notes.

DESIGN NOTE:
Example text for debug notes.

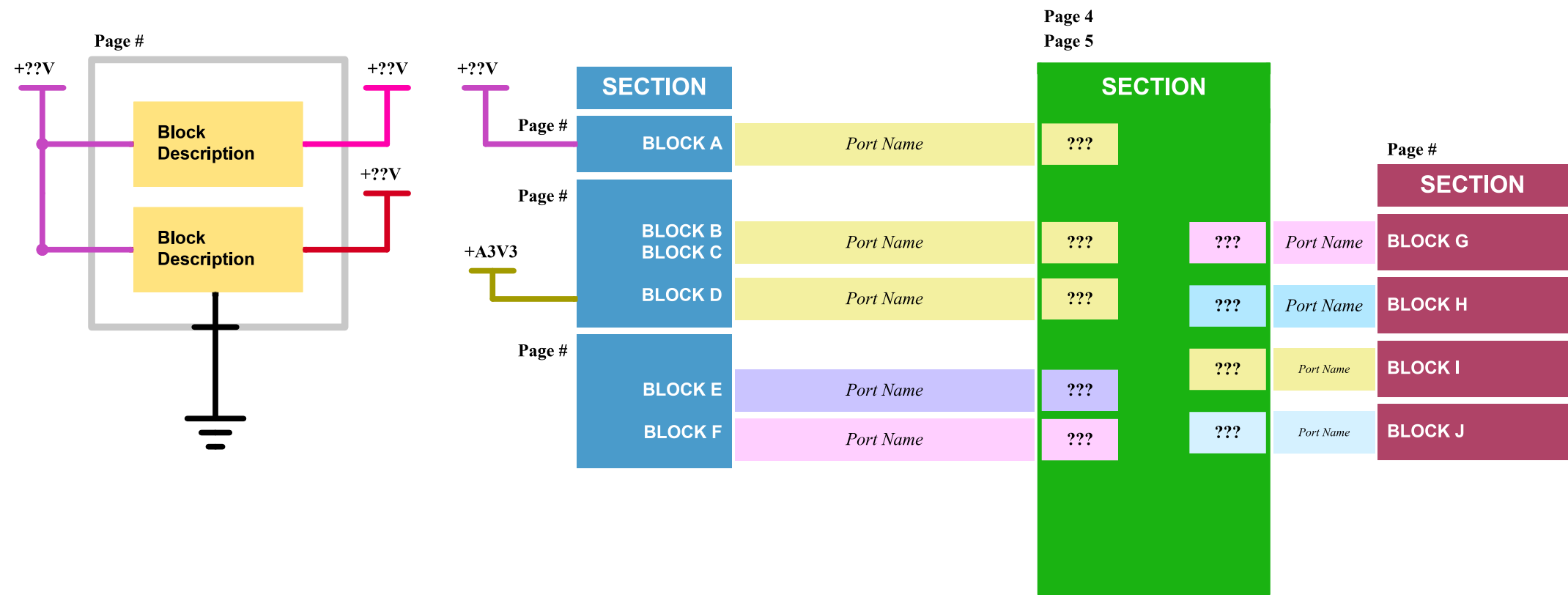
DESIGN NOTE:
Example text for cautionary design notes.

DESIGN NOTE:
Example text for critical design notes.

LAYOUT NOTE:
Example text for critical layout guidelines.

	Comments:	Company:	Variant:	Git Hash:
		Company	DRAFT	9e59ec6
		Board Name:	Project Name:	
		Random Board	KiBot Project Test	
Sheet Title:	File Name:	Designer:	Date:	Revision:
	KiBot_Project_Test.kicad_sch	Vincent Nguyen	2025-01-12	+ (Unreleased)
Sheet Path:	Reviewer:	Size:	Sheet:	
/		A3	1 of 7	

[2] Block Diagram



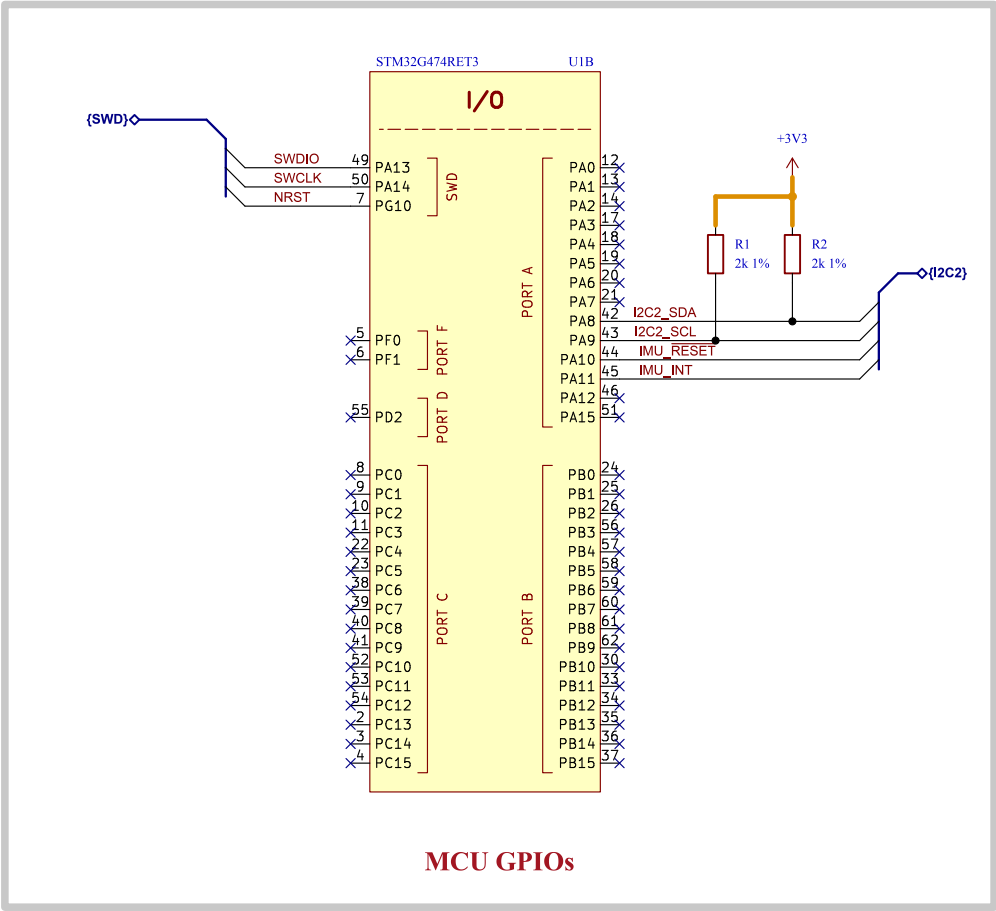
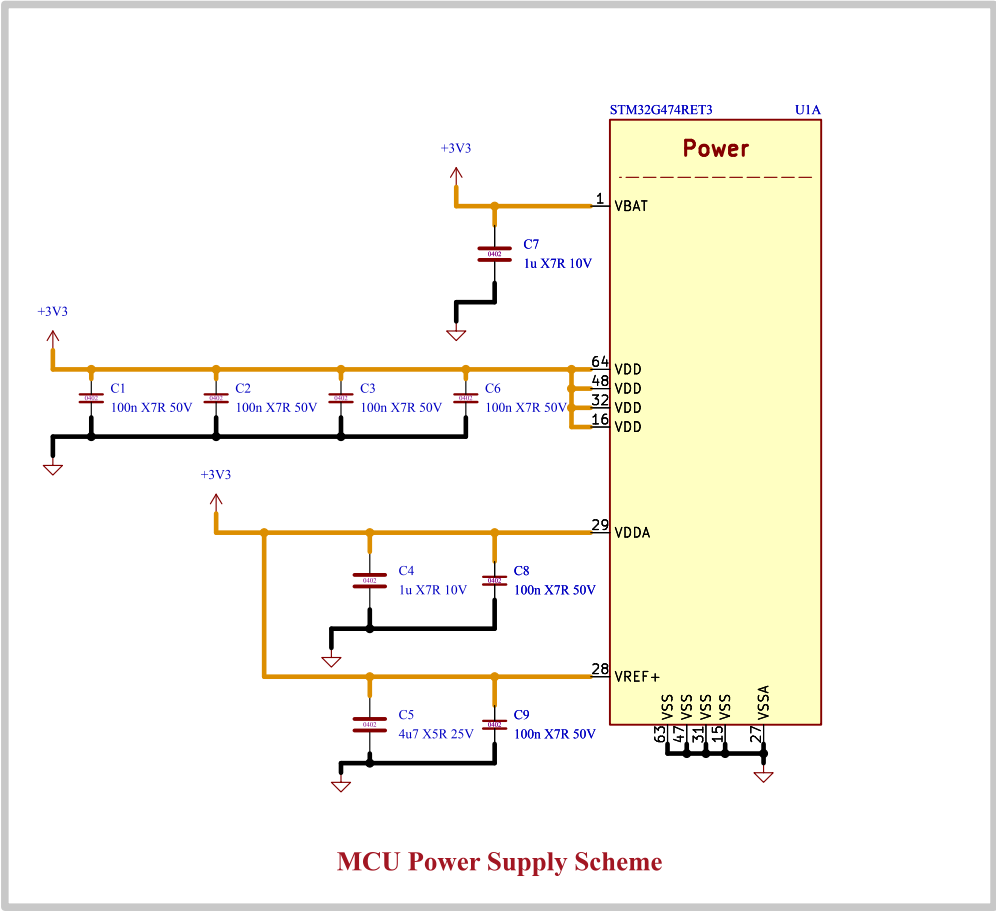
Target specifications:	
Input voltage:	?? - ?? V
Spec 2	??
Spec 3	??
Spec 4	??

	Comments:	Company:		Variant:	Git Hash:
		Company		DRAFT	9e59ec6
		Board Name:		Project Name:	
		Random Board		KiBot Project Test	
	Sheet Title:	File Name:	Designer:	Date:	Revision:
	Block Diagram	Block Diagram.kicad_sch	Vincent Nguyen	2025-01-12	+ (Unreleased)
	Sheet Path:	Reviewer:		Size:	Sheet:
	/Block Diagram/			A3	2 of 7

	1	2	3	4	5	6	7	8	
A	<h1>[3] Project Architecture</h1>								A

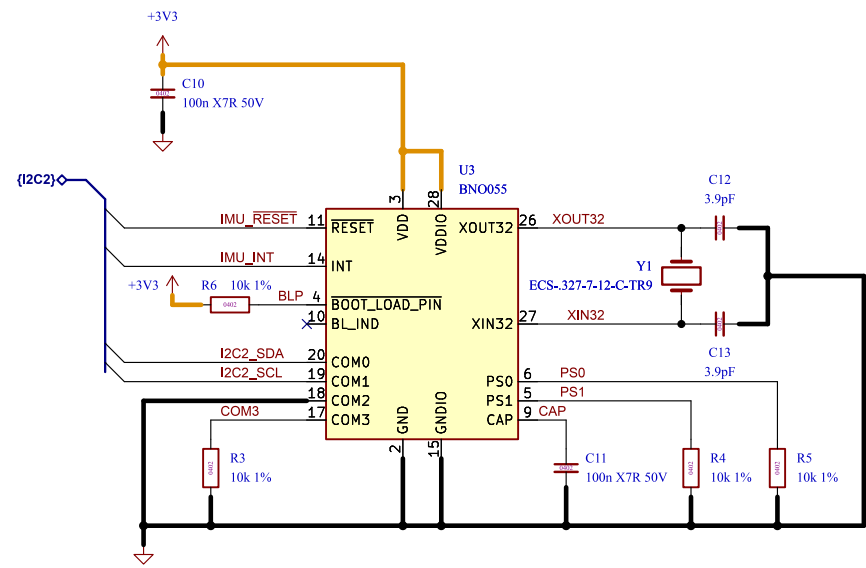
			Comments:	Company:		Variant:	Git Hash:
				Company		DRAFT	9e59ee6
			Board Name: Random Board			Project Name: KiBot Project Test	
		Sheet Title: Project Architecture	File Name: Project Architecture.kicad_sch	Designer: Vincent Nguyen	Date: 2025-01-12	Revision: + (Unreleased)	
		Sheet Path: /Project Architecture/	Reviewer:	Size: A3	Sheet: 3 of 7		

[4] MCU



	Comments: AN5346 STM32G474 Datasheet p.81 J. Pieper ADC investigation	Company: Company	Variant: DRAFT	Git Hash: 9e59ee6
	Sheet Title: MCU	Board Name: Random Board	Project Name: KiBot Project Test	
	Sheet Path: /Project Architecture/MCU/	File Name: MCU.kicad_sch	Designer: Vincent Nguyen	Date: 2025-01-12
		Reviewer:	Size: A4	Revision: + (Unreleased)
			Sheet: 4 of 7	

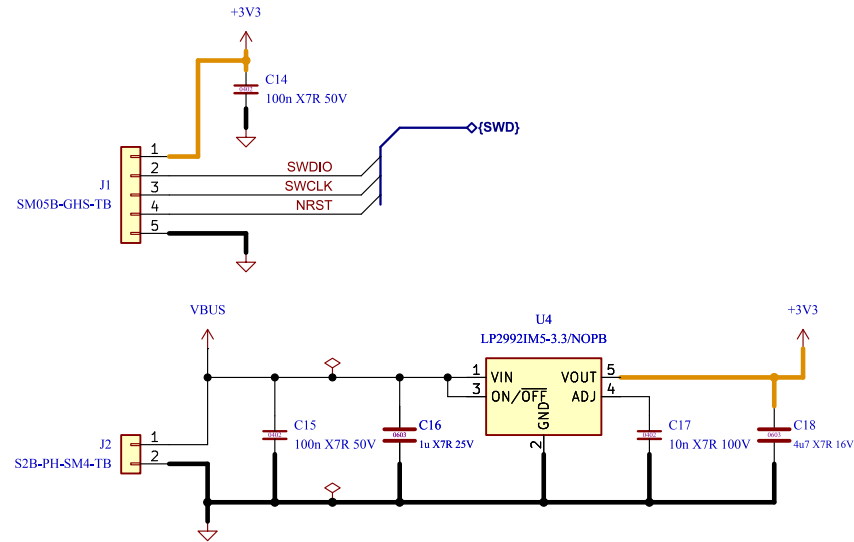
[5] IMU



9-Axis IMU

	Comments:	Company:		Variant:	Git Hash:
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		Board Name:		Project Name:	
		Random Board		KiBot Project Test	
	Sheet Title:	File Name:	Designer:	Date:	Revision:
	IMU	IMU.kicad_sch	Vincent Nguyen	2025-01-12	+ (Unreleased)
	Sheet Path:		Reviewer:	Size:	Sheet:
	/Project Architecture/IMU/			A4	5 of 7

[6] Connectors



Connectors

	Comments:	Company:		Variant:	Git Hash:
		Company		DRAFT	9e59ee6
		Board Name:		Project Name:	
		Random Board		KiBot Project Test	
	Sheet Title:	File Name:	Designer:	Date:	Revision:
	Connectors	Connectors.kicad_sch	Vincent Nguyen		+ (Unreleased)
	Sheet Path:		Reviewer:	Size:	Sheet:
	/Project Architecture/Connectors/			A4	6 of 7

[7] Revision History

	Comments:	Company:		Variant:	Git Hash:
		Company		DRAFT	9e59ee6
		Board Name:		Project Name:	
		Random Board		KiBot Project Test	
Sheet Title:	File Name:	Designer:	Date:	Revision:	
Revision History	Revision History.kicad_sch	Vincent Nguyen	2025-01-12	+ (Unreleased)	
Sheet Path:		Reviewer:	Size:	Sheet:	
/Revision History/			A4	7 of 7	