

EncoGo

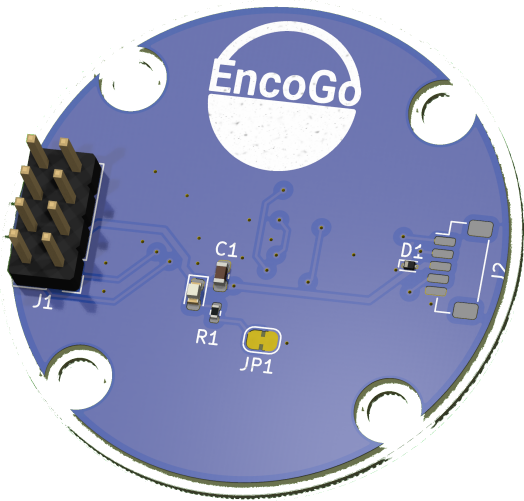
Variant: CHECKED

2026-01-15

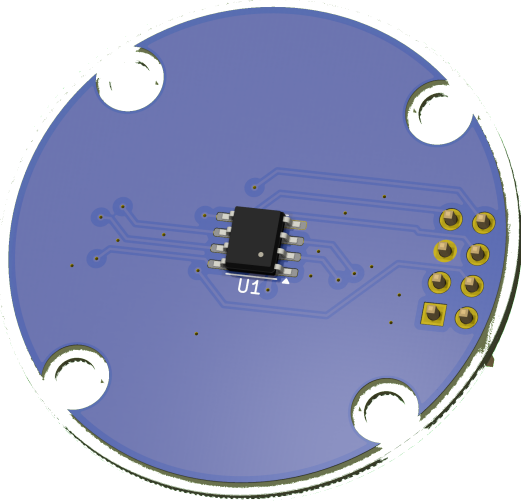
Rev 0.1.0+ (Unreleased)

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TOP VIEW



BOTTOM VIEW



NOTES

This board is meant to validate the magnetic encoder MT6701

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: 15-Jan-2026

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.

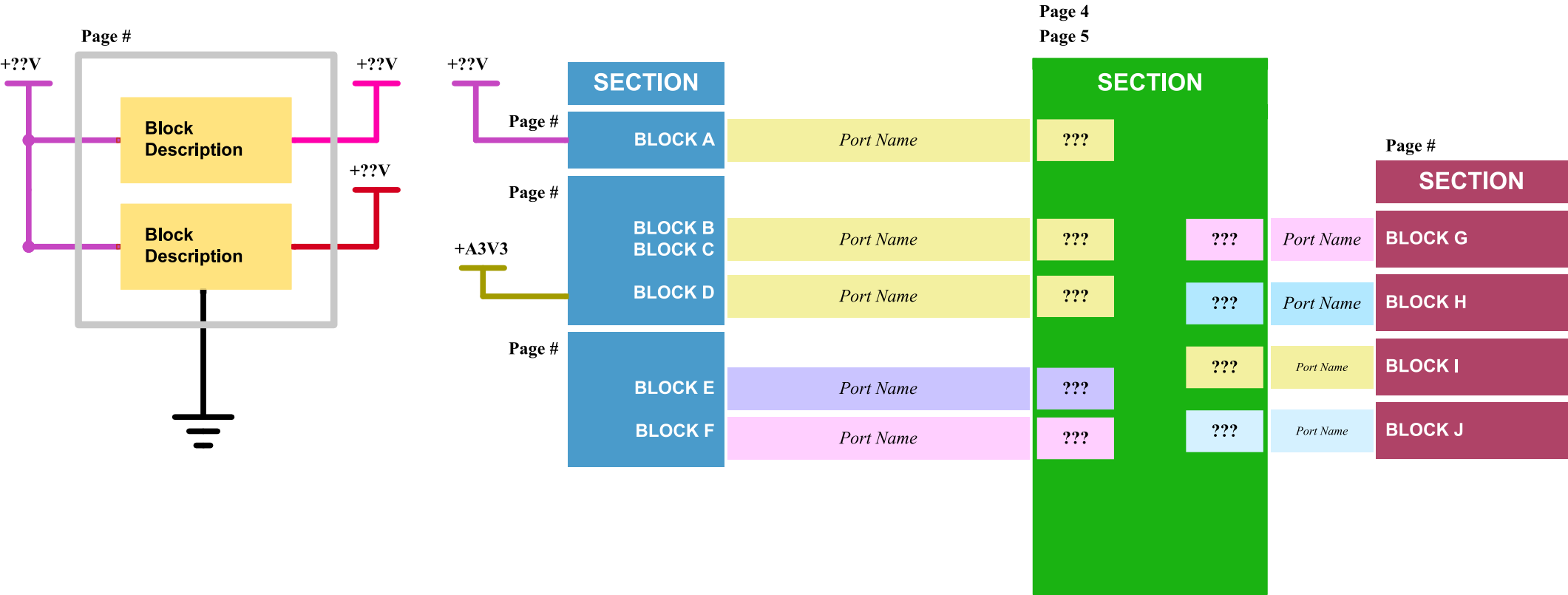
LAYOUT NOTE:

Example text for critical layout guidelines.

	Comments:	Company: EveryFlavorRobotics	Variant: CHECKED	Git Hash: 9c4664f
	Sheet Title: Cover Page	Board Name: EncoGo	Project Name: CICD-Test	
	Sheet Path: /	File Name: kibot-test-cicd.kicad_sch	Designer: Alexchunlin	Date: 2025-01-12
			Revision: 0.1.0+ (Unreleased)	
			Size: A3	Sheet: 1 of 7

# [2] Block Diagram

Block diagram not used for this project



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

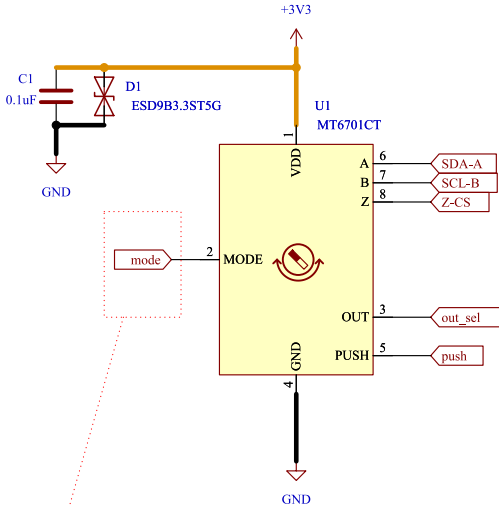
	Comments:	Company: EveryFlavorRobotics		Variant: CHECKED	Git Hash: 9c4664f
		Board Name: EncoGo		Project Name: CICD-Test	
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: Alexchunlin	Date: 2025-01-12	Revision: 0.1.0+ (Unreleased)
	Sheet Path: /Block Diagram/		Reviewer:	Size: A3	Sheet: 2 of 7

	1	2	3	4	5	6	7	8
A	<div>[3] Project Architecture</div>							
B				<div>Sensor</div>	<div><div>Section A - Title A</div><div>MT6701</div><div>File: Section A - Sensor.kicad_sch</div></div>			
C					<div><div>Section B - Title B</div><div>Mechanicals</div><div>File: Section B - Mechanicals.kicad_sch</div></div>	<div>Connectors and mounting</div>		
D								
E								
F	1	2	3	4	5	6	7	8

	<div>Comments:</div>	<div>Company:</div> <div>EveryFlavorRobotics</div>	<div>Variant:</div> <div>CHECKED</div>	<div>Git Hash:</div> <div>9c4664f</div>
		<div>Board Name:</div> <div>EncoGo</div>	<div>Project Name:</div> <div>CICD-Test</div>	
	<div>Sheet Title:</div> <div>Project Architecture</div>	<div>File Name:</div> <div>Project Architecture.kicad_sch</div>	<div>Designer:</div> <div>Alexchunlin</div>	<div>Date:</div> <div>2025-01-12</div>
	<div>Sheet Path:</div> <div>/Project Architecture/</div>		<div>Reviewer:</div>	<div>Size:</div> <div>A3</div>
				<div>Sheet:</div> <div>3 of 7</div>

[4] Sensor

LAYOUT NOTE:  
eccentricity severely  
degrades performance,  
ENSURE chip is centered  
wrt mounting pattern

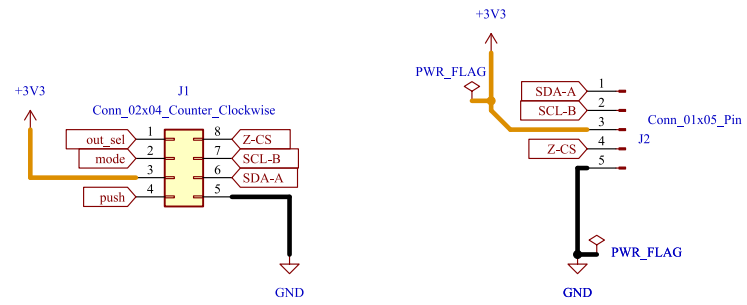


DESIGN NOTE:  
Mode left floating  
defaults to digital  
output on SDA/SCL/CS

MT6701 configured in default mode

	Comments: Note on something important (example)	Company: EveryFlavorRobotics		Variant: CHECKED	Git Hash: 9c4664f
		Board Name: EncoGo		Project Name: CICD-Test	
	Sheet Title: Sensor	File Name: Section A - Sensor.kicad_sch	Designer: Alexchunlin	Date: 2025-01-12	Revision: 0.1.0+ (Unreleased)
	Sheet Path: /Project Architecture/Section A - Title A/		Reviewer:	Size: A4	Sheet: 4 of 7

# [5] Mechanicals

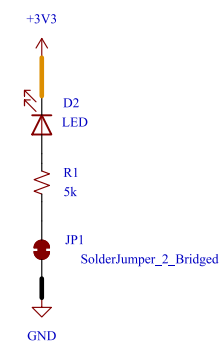


Connectors



LAYOUT NOTE:  
For ease of use, mount  
holes circularly around  
encoder's center

Mounting holes

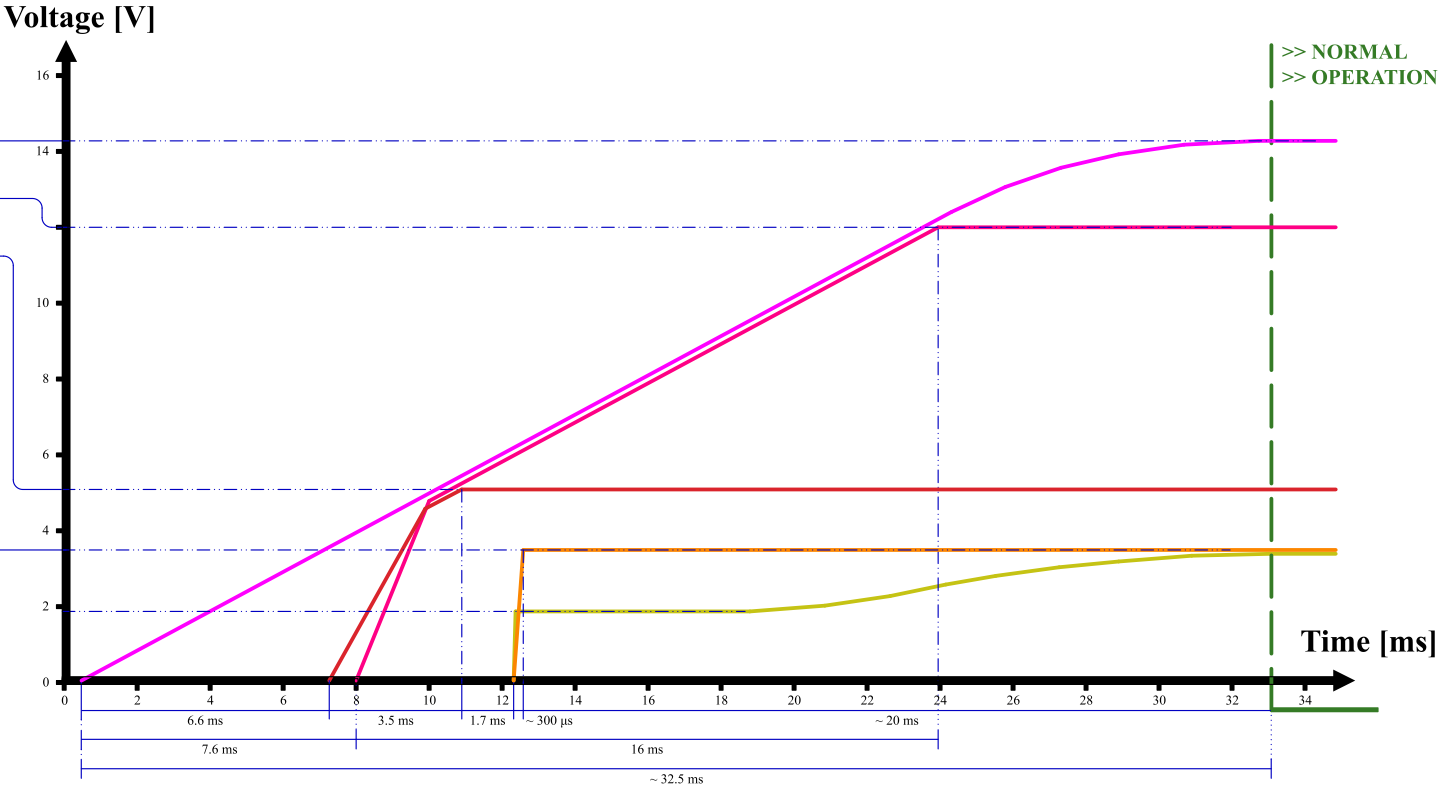


Indicators

	Comments:	Company: EveryFlavorRobotics		Variant: CHECKED	Git Hash: 9c4664f
		Board Name: EncoGo		Project Name: CICD-Test	
	Sheet Title: Mechanicals	File Name: Section B - Mechanicals.kicad_sch	Designer: Alexchunlin	Date: 2025-01-12	Revision: 0.1.0+ (Unreleased)
	Sheet Path: /Project Architecture/Section B - Title B/		Reviewer:	Size: A3	Sheet: 5 of 7

# [6] Mechanicals

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



	Comments:	Company: EveryFlavorRobotics		Variant: CHECKED	Git Hash: 9c4664f
		Board Name: EncoGo		Project Name: CICD-Test	
	Sheet Title: Mechanicals	File Name: Power - Sequencing.kicad_sch	Designer: Alexchunlin	Date: 2025-01-12	Revision: 0.1.0+ (Unreleased)
	Sheet Path: /Power - Sequencing/		Reviewer:	Size: A4	Sheet: 6 of 7

The image shows a technical drawing of a PCB layout. The top half of the image is a large, empty rectangular area, likely for the PCB design. The bottom right corner contains a table with project information. The table has a grid structure with 4 columns and 3 rows. The first column is empty. The second column contains 'Comments:'. The third column contains 'Company: EveryFlavorRobotics', 'Board Name: EncoGo', 'File Name: Revision History.kicad\_sch', and 'Designer: Alexchunlin'. The fourth column contains 'Variant: CHECKED', 'Project Name: CICD-Test', 'Date: 2025-01-12', and 'Size: A4'. The fifth column contains 'Git Hash: 9c4664f', 'Revision: 0.1.0+ (Unreleased)', and 'Sheet: 7 of 7'. The table is bordered by a thick black line. The background of the entire image is a light gray grid.

	Comments:	Company: EveryFlavorRobotics	Variant: CHECKED	Git Hash: 9c4664f
		Board Name: EncoGo	Project Name: CICD-Test	
	Sheet Title: Mechanicals	File Name: Revision History.kicad_sch	Designer: Alexchunlin	Date: 2025-01-12
	Sheet Path: /Revision History/	Reviewer:	Size: A4	Revision: 0.1.0+ (Unreleased)
			Sheet: 7 of 7	