EncoGo

Variant: PRELIMINARY

2026-01-12

Rev 0.1.0+ (Unreleased)

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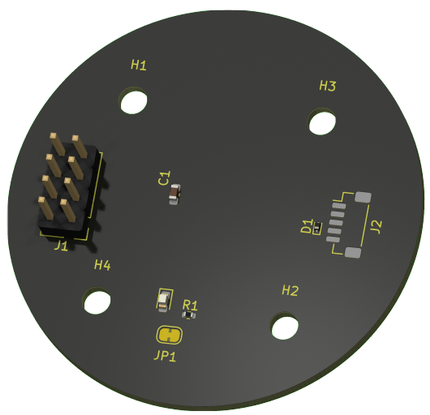
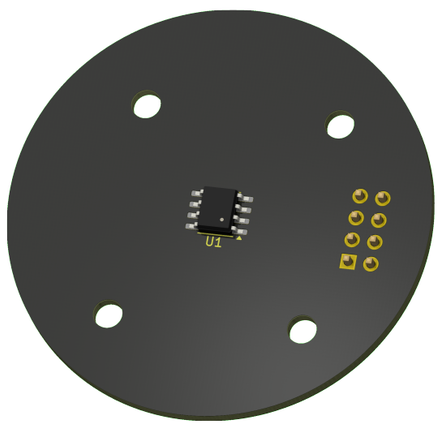
TOP VIEW



BOTTOM VIEW



NOTES

This board is meant to validate the magnetic encoder MT6701

Not fitted components are marked as ✗

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: 12-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.

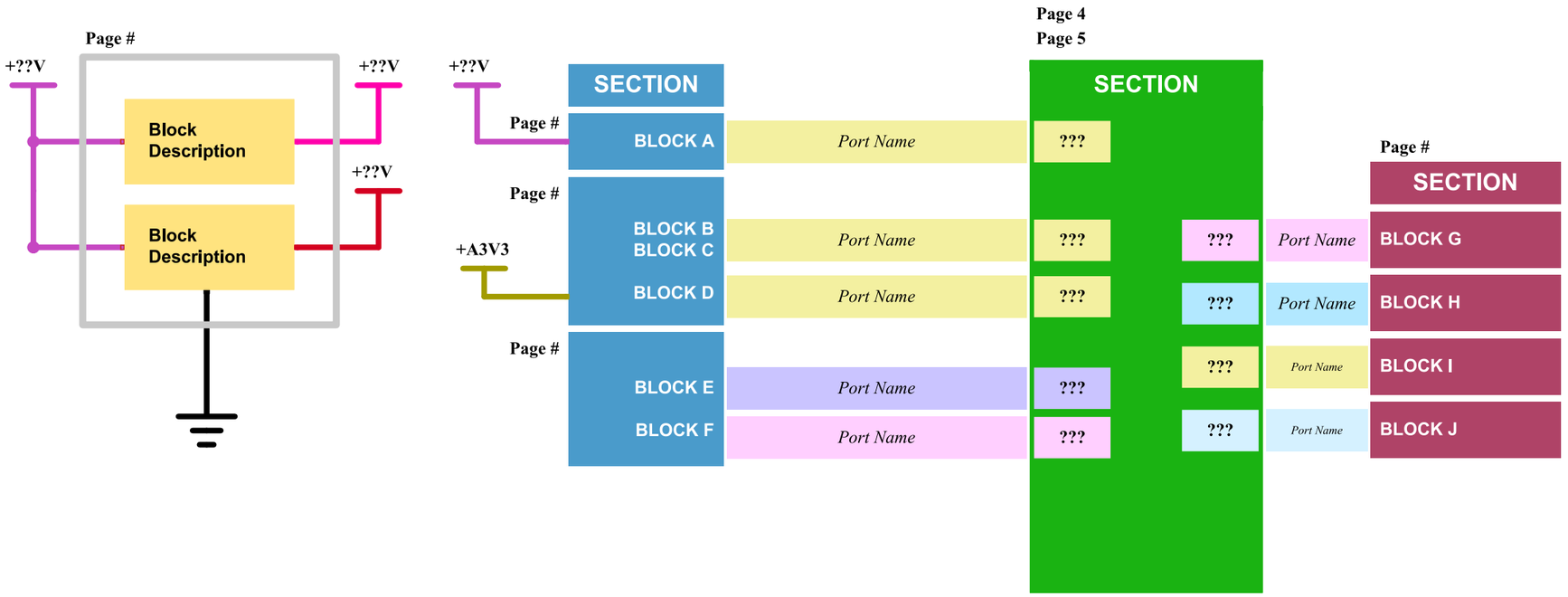
DESIGN NOTE: Example text for critical design notes.

LAYOUT NOTE: Example text for critical layout guidelines.

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

[2] Block Diagram

Block diagram not used for this project

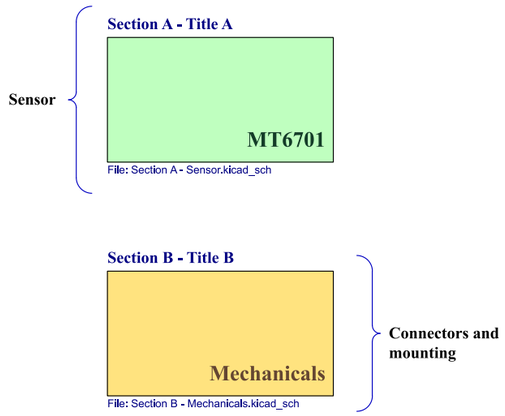


Target specifications:

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

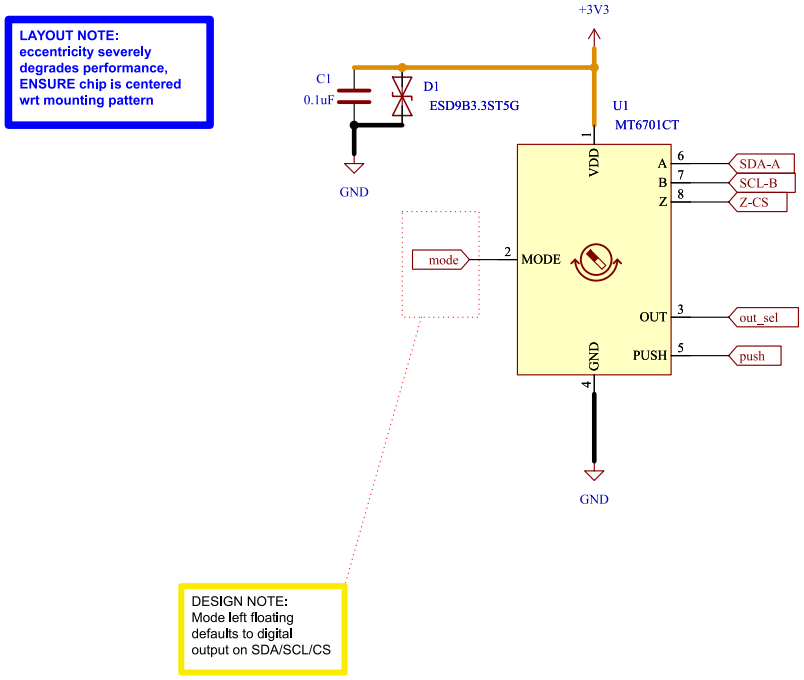
Comments:	Company: **EveryFlavorRobotics**		Variant: PRELIMINARY	Git Hash: 9c4664f
	Board Name: **EncoGo**		Project Name: **CICD-Test**	
Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: Alexchunlin	Date: 2025-01-12	Revision: 0.1.0+ (Unreleased)
Sheet Path: /Block Diagram/		Reviewer: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

[3] Project Architecture



Comments:	Company: **EveryFlavorRobotics**		Variant: PRELIMINARY	Git Hash: 9c4664f
	Board Name: **EncoGo**		Project Name: **CICD-Test**	
Sheet Title: Project Architecture	File Name: Project Architecture.kicad_sch	Designer: Alexchunlin	Date: 2025-01-12	Revision: 0.1.0+ (Unreleased)
Sheet Path: /Project Architecture/		Reviewer:	Size: **A3**	Sheet: **3** of **7**

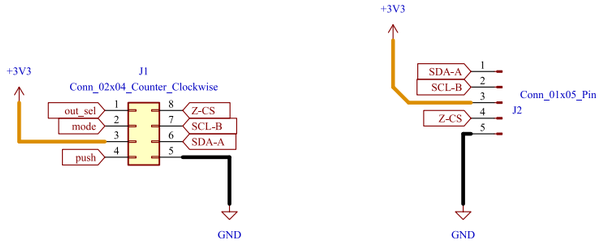
[4] Sensor



MT6701 configured in default mode

Comments: Note on something important (example)	Company: **EveryFlavorRobotics**		Variant: PRELIMINARY	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

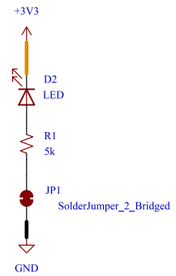


Connectors

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

H1 M3 H2 M3 H3 M3 H4 M3

Mounting holes

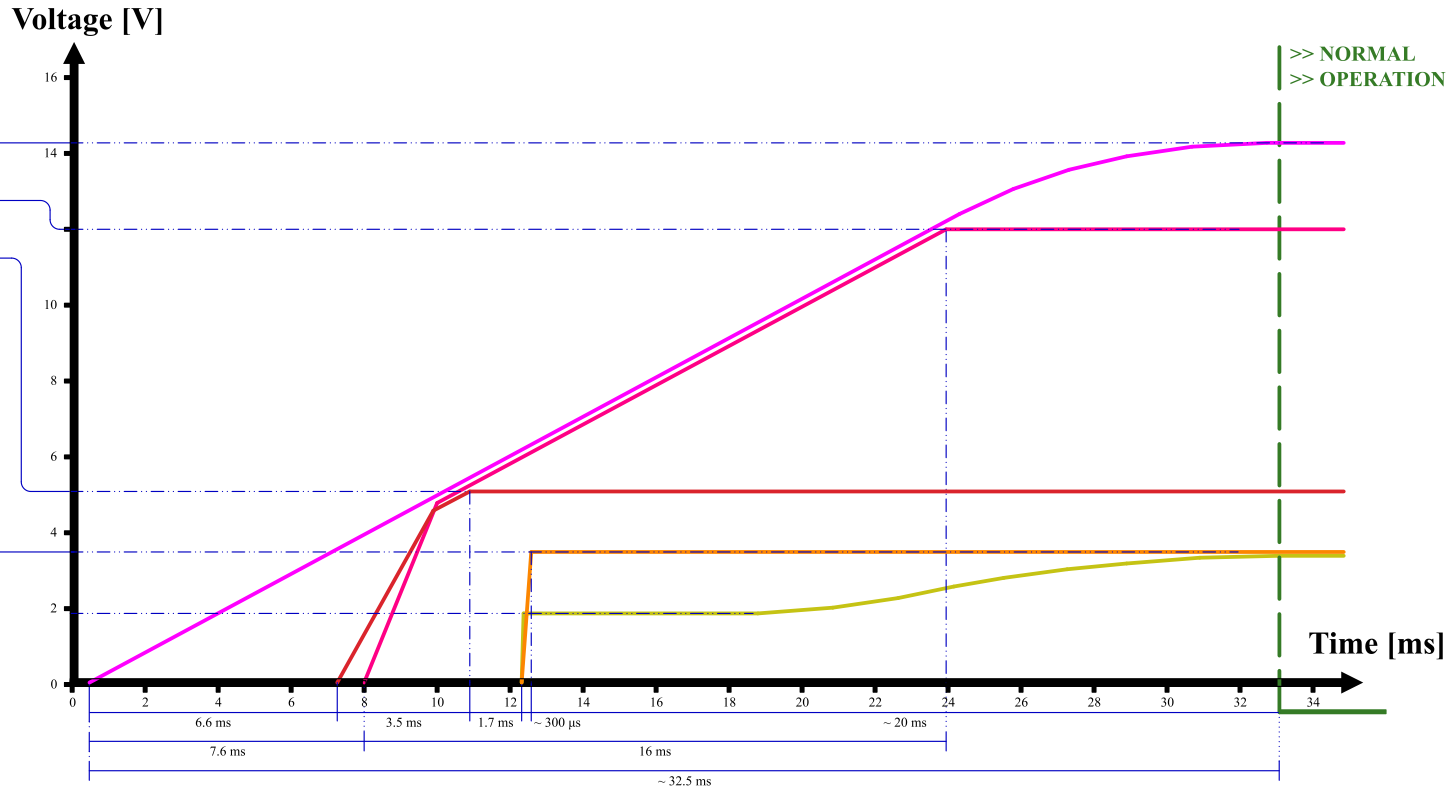


Indicators

Comments:	Company: **EveryFlavorRobotics**		Variant: PRELIMINARY	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**

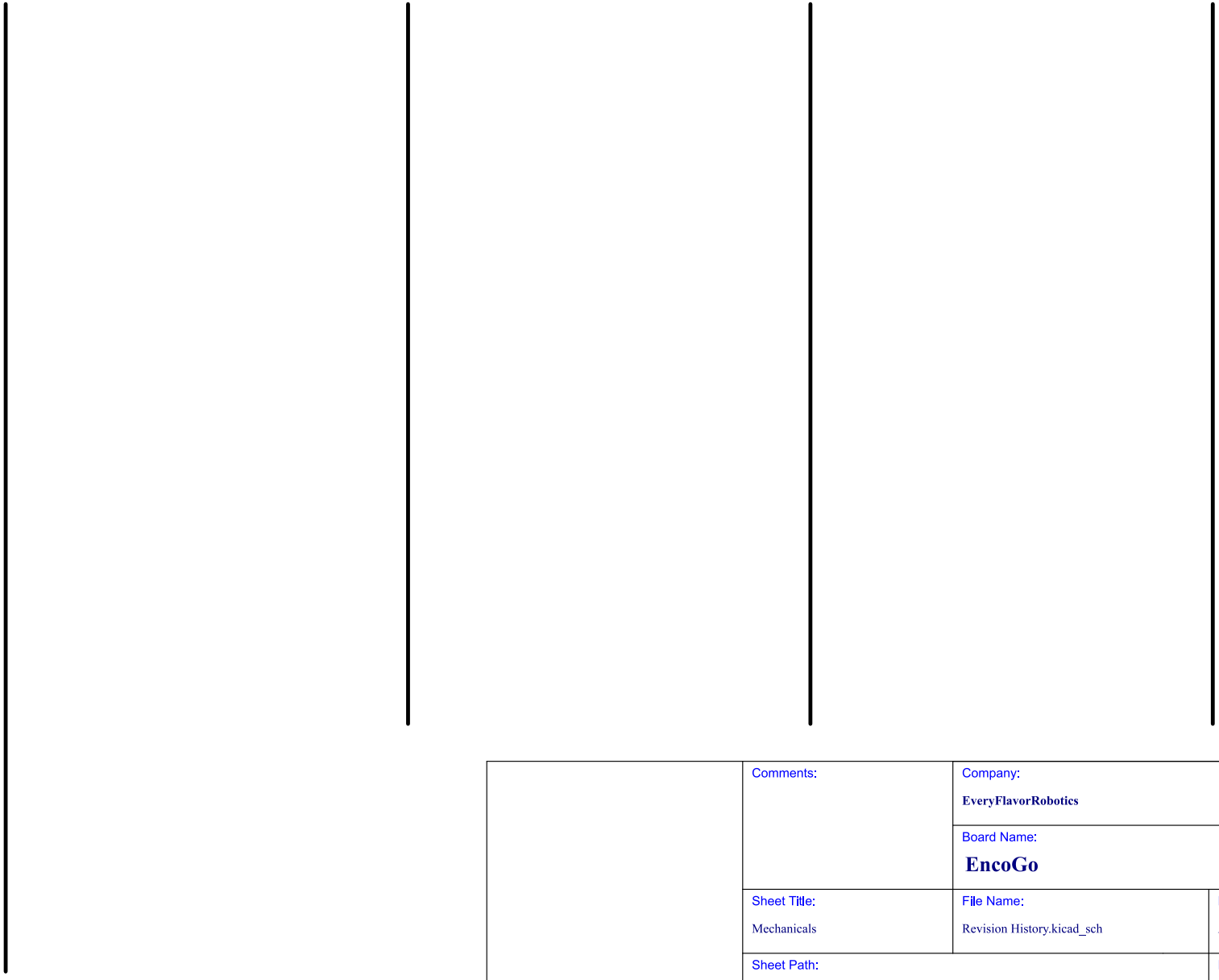
[6] Mechanicals

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



Comments:	Company: EveryFlavorRobotics		Variant: PRELIMINARY	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

[7] Mechanicals



Comments:	Company: **EveryFlavorRobotics**		Variant: PRELIMINARY	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	Revision: 0.1.0+ (Unreleased)	
Sheet Path: /Revision History/		Reviewer:	Size: **A4**	Sheet: **7** of **7**	