

EncoGo

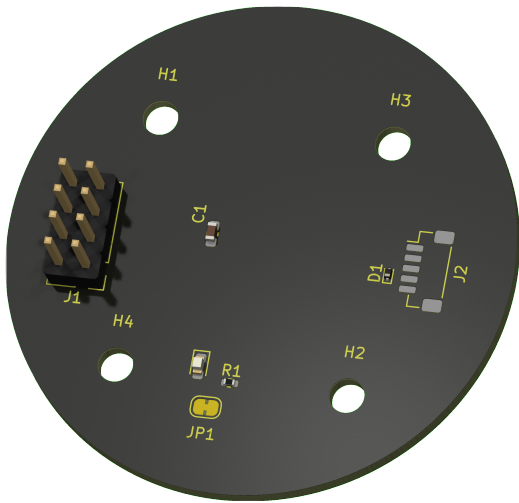
Variant: PRELIMINARY

2026-01-12

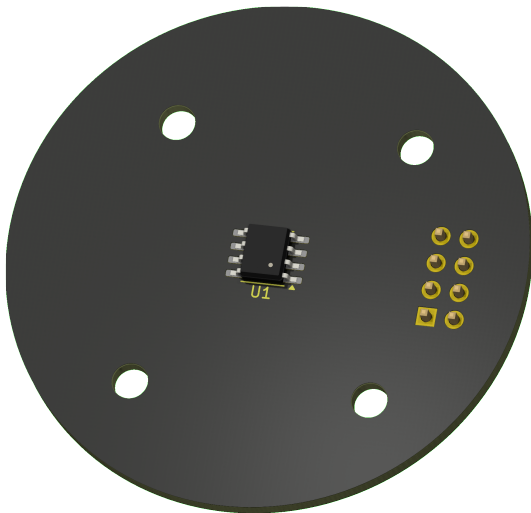
Rev 0.1.0+ (Unreleased)

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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 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: 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.

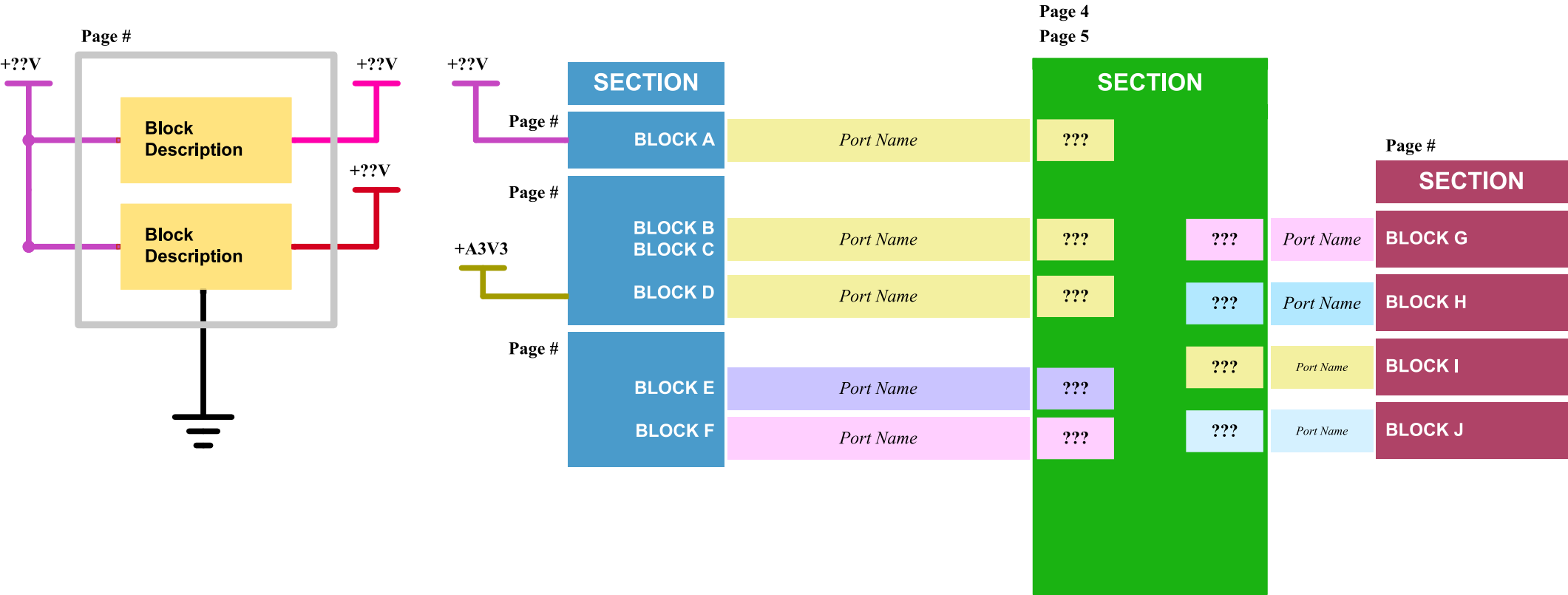
LAYOUT NOTE:

Example text for critical layout guidelines.

	Comments:	Company: EveryFlavorRobotics	Variant: PRELIMINARY	Git Hash: 9c4664f
	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

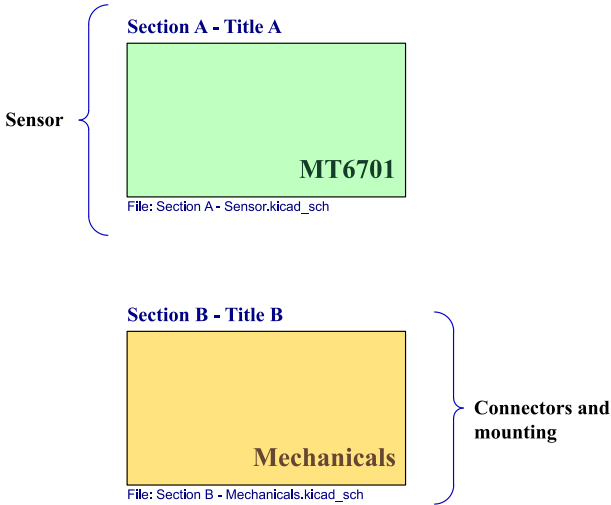
Block diagram not used for this project



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

	Comments:	Company: EveryFlavorRobotics		Variant: 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

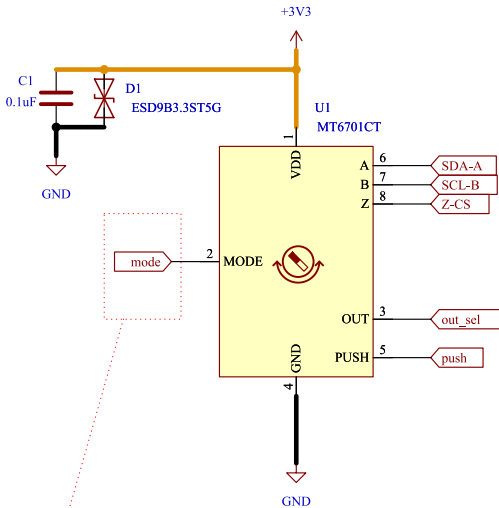
# [3] Project Architecture



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

# [4] Sensor

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

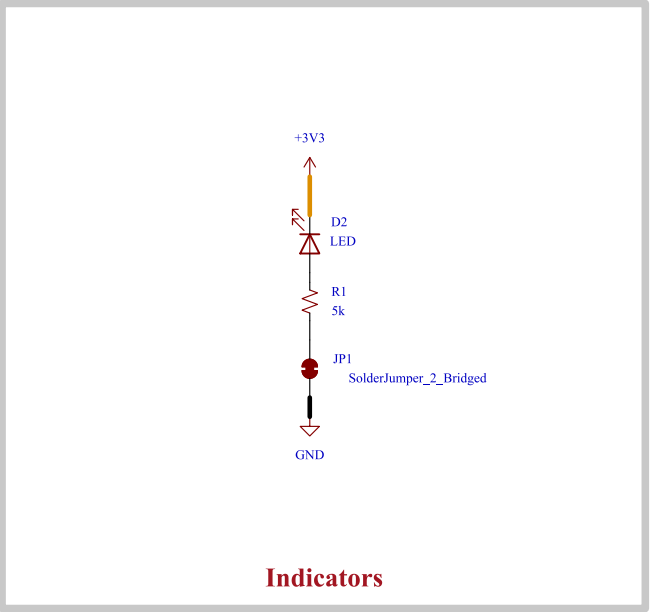
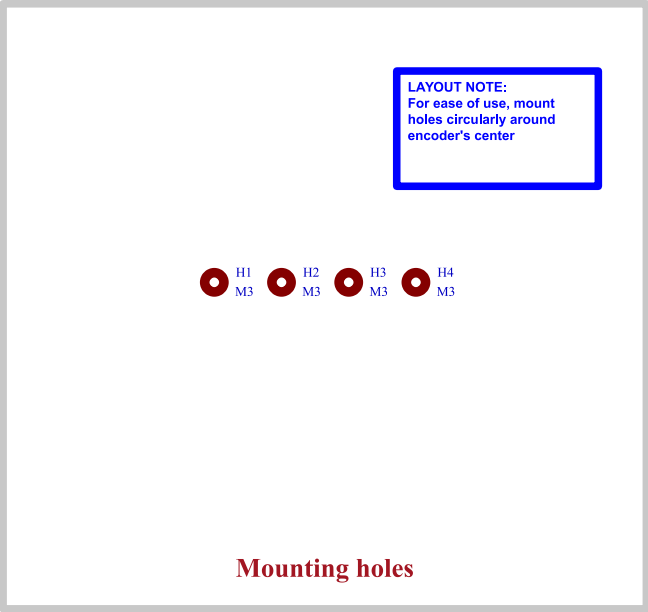
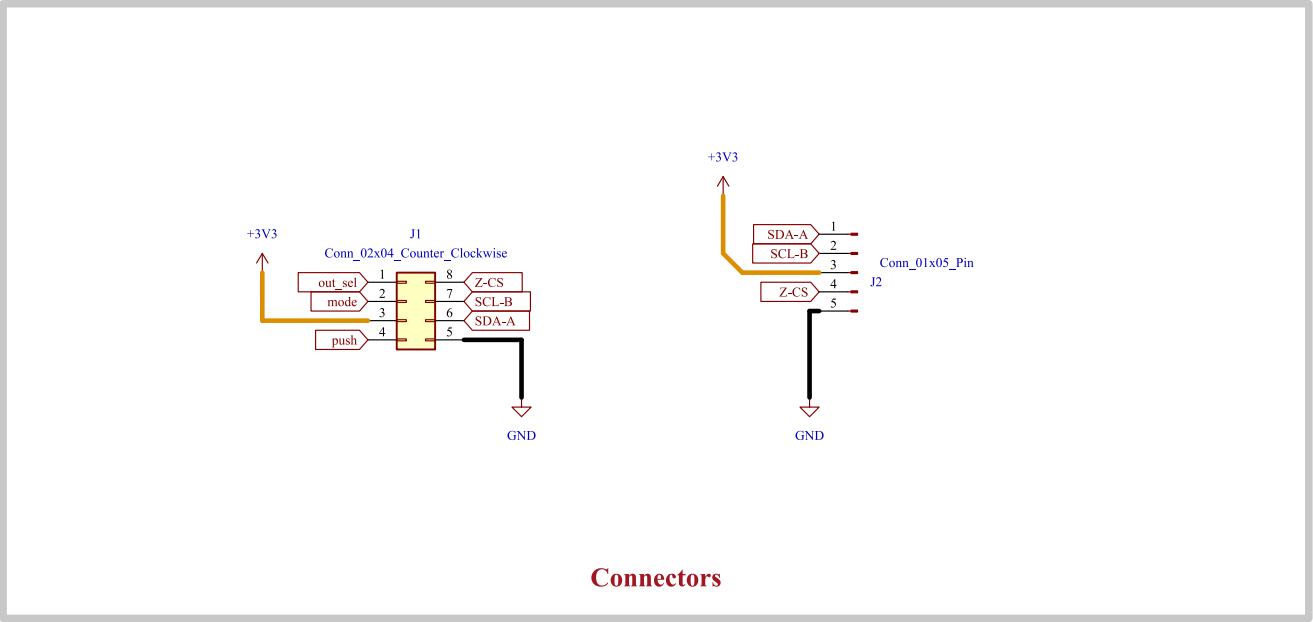


DESIGN NOTE:  
Mode left floating  
defaults to digital  
output on SDA/SCL/CS

MT6701 configured in default mode

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

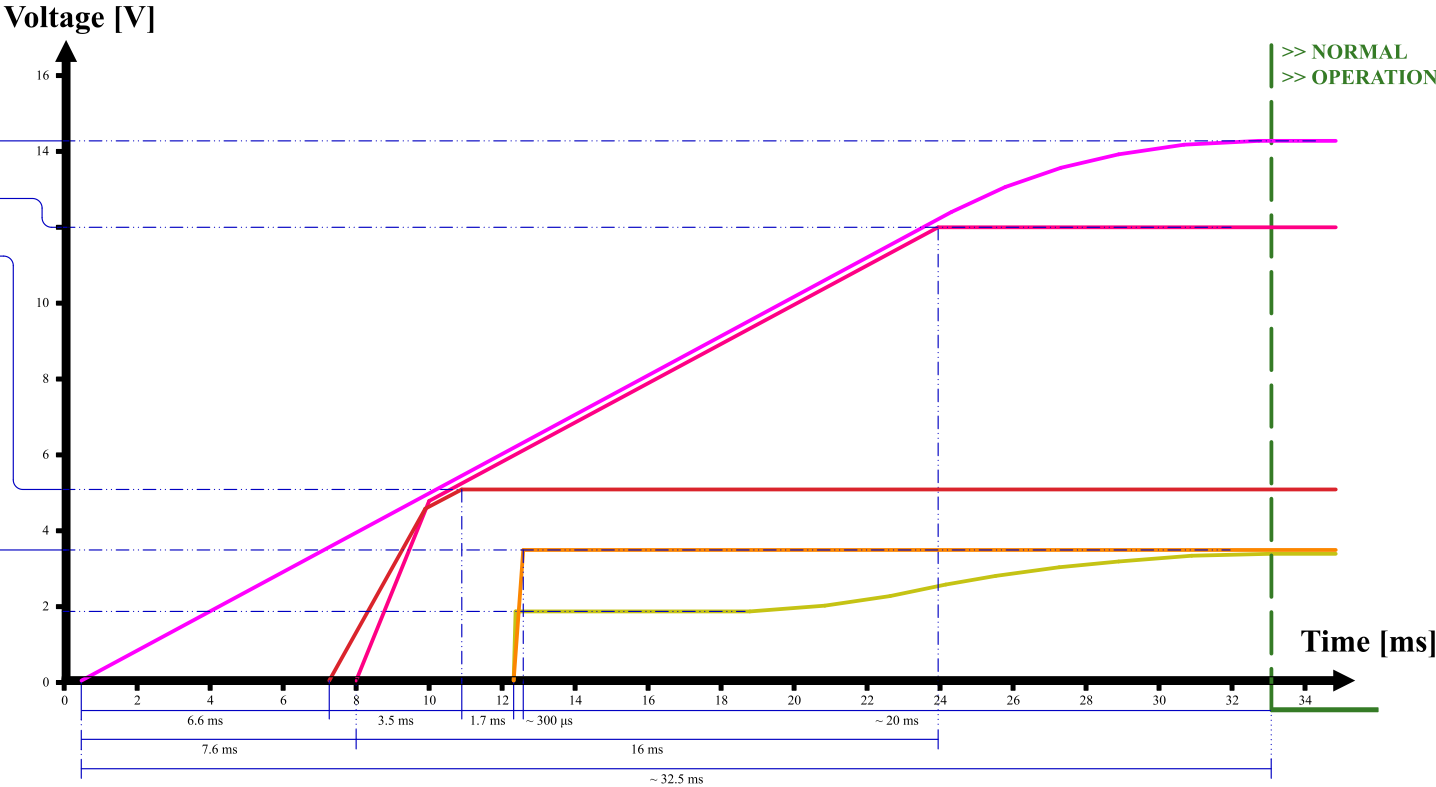
# [5] Mechanicals



	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: <b>EncoGo</b>		Project Name: <b>CICD-Test</b>	
	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: <b>A4</b>	Sheet: <b>7</b> of <b>7</b>