

0

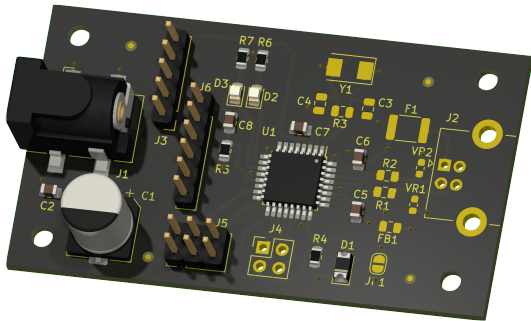
2025-12-10

Variant: PRELIMINARY

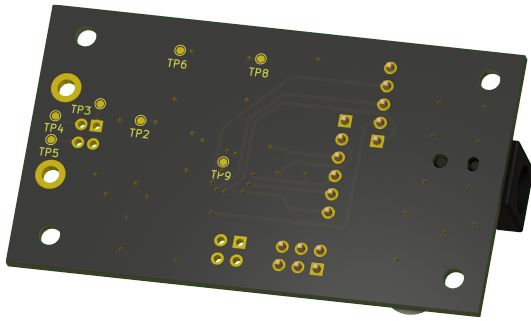
Rev + (Unreleased)

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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: 10-Dec-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: INTI		Variant: PRELIMINARY	Git Hash: c440c30
		Board Name: 0		Project Name: Test KDT	
	Sheet Title:	File Name: KDT_Hierarchical_KiBot.kicad_sch	Designer: SET	Date: 2025-01-12	Revision: + (Unreleased)
	Sheet Path: /		Reviewer:	Size: A3	Sheet: 1 of 7

[2] Block Diagram

Page #

+??V

+??V

+??V

Block Description

Block Description

Page #

+??V

BLOCK A

Port Name

???

Section

Page #

+A3V3

BLOCK B
BLOCK C

Port Name

???

???

Port Name

BLOCK D

Port Name

???

???

Port Name

BLOCK E

Port Name

???

???

Port Name

BLOCK F

Port Name

???

???

Port Name

SECTION

BLOCK G

BLOCK H

BLOCK I

BLOCK J

Target specifications:

Input voltage:

Spec 2

Spec 3

Spec 4

?? - ?? V

??

??

??

	Comments:		Company: INTI		Variant: PRELIMINARY	GIt Hash: c440c30
			Board Name: 0		Project Name: Test KDT	
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: SET	Date: 2025-01-12	Revision: + (Unreleased)	
	Sheet Path: /Block Diagram/		Reviewer:	Size: A3	Sheet: 2 of 7	

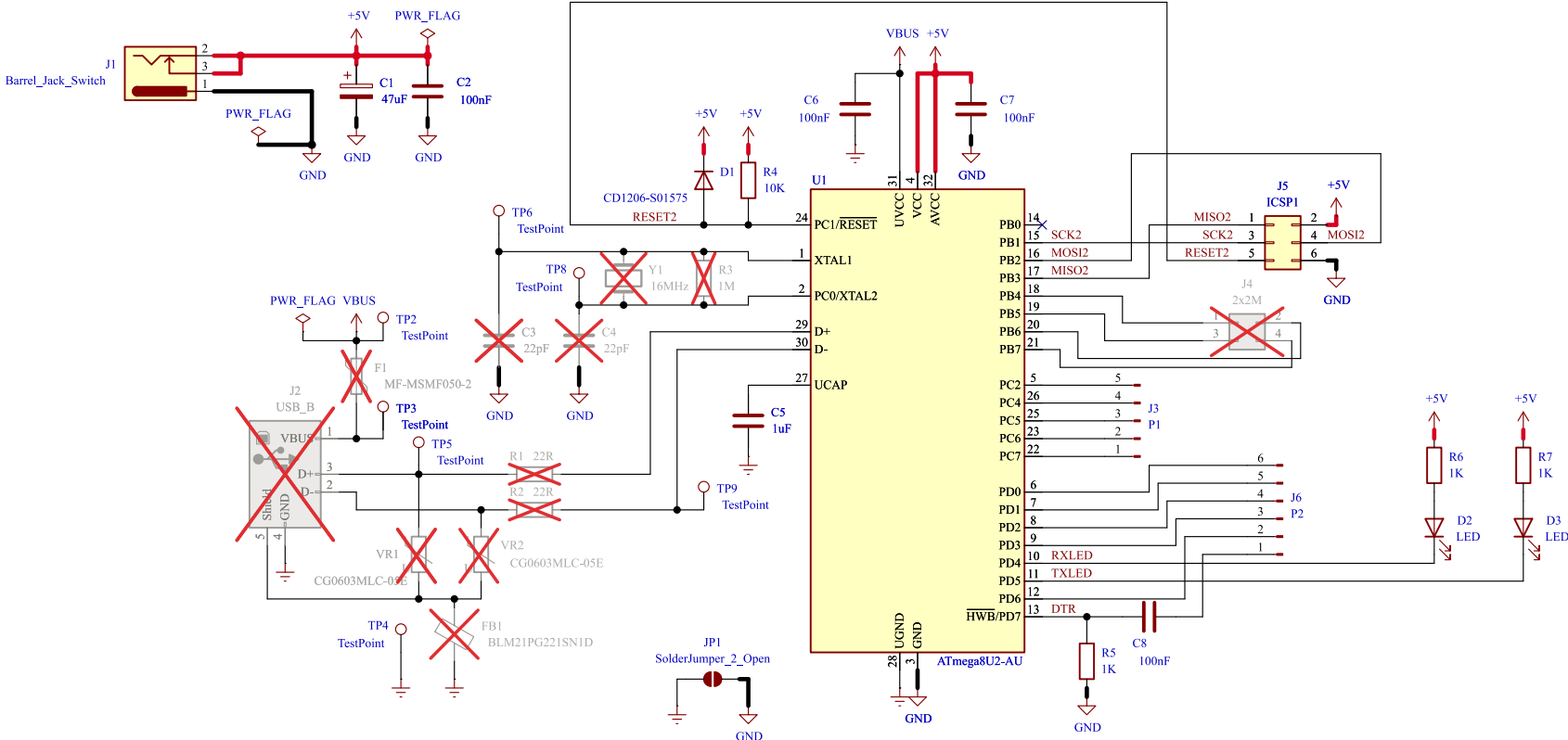
Input voltage:	?? - ?? V
Spec 2	??
Spec 3	??
Spec 4	??


	1	2	3	4	5	6	7	8
A	<div>[3] Project Architecture</div>							
B	<div><div><div>Description</div><div><div>Section A - Title A</div><div><div>Page 4</div><div>File: Section A - Title A.kicad_sch</div></div></div></div><div><div>Section B - Title B</div><div><div>Page 5</div><div>File: Section B - Title B.kicad_sch</div></div></div><div>Description</div></div>							
C								
D								
E								
F	1	2	3	4	5	6	7	8


	Comments:	Company:		Variant:	Git Hash:
		INTI		PRELIMINARY	c440c30
		Board Name:		Project Name:	
		0		Test KDT	
	Sheet Title:	File Name:	Designer:	Date:	Revision:
	Project Architecture	Project Architecture.kicad_sch	SET	2025-01-12	+ (Unreleased)
	Sheet Path:		Reviewer:	Size:	Sheet:
	/Project Architecture/			A3	3 of 7



[4] Sheet Title A


KiBot variants example
Not a real life board






-  H1 MountingHole

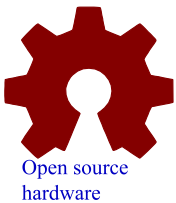
 H2 MountingHole

 FID1 Fiducial
-  H3 MountingHole

 H4 MountingHole

 FID2 Fiducial
-  FID3 Fiducial

 FID4 Fiducial



Open source
hardware



This logo has a REF starting with #
Won't be passed to the PCB

Block Description

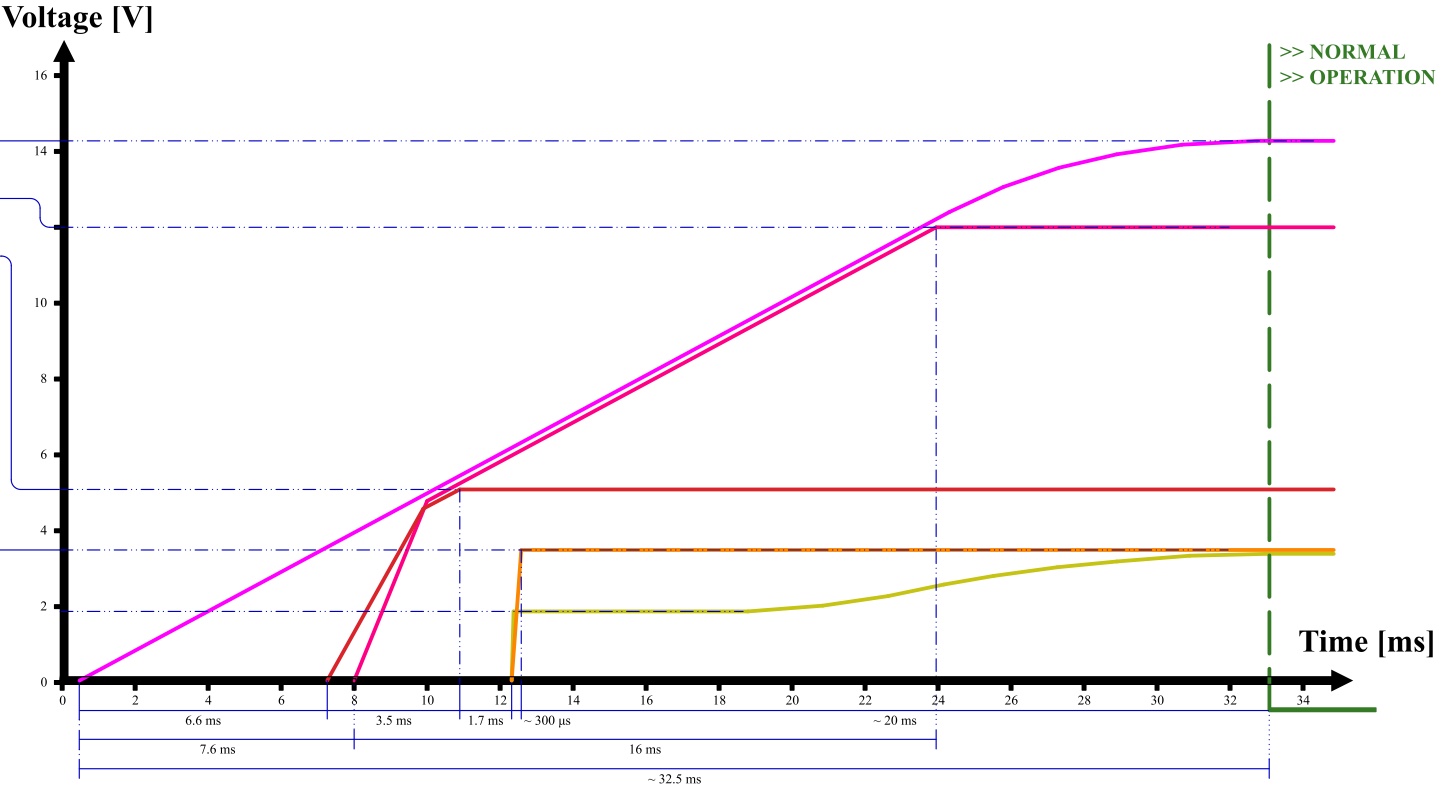
Comments:	Company:		Variant:	Git Hash:
	INTI		PRELIMINARY	c440c30
	Board Name:		Project Name:	
Sheet Title:	File Name:	Designer:	Date:	Revision:
Sheet Title A	Section A - Title A.kicad_sch	SET	2025-01-12	+ (Unreleased)
Sheet Path:		Reviewer:	Size:	Sheet:
/Project Architecture/Section A - Title A/			A3	4 of 7

[5] Sheet Title B

	Comments:	Company:		Variant:	Git Hash:
	References: Flexible I/O worked examples Flexible I/O source configuration	INTI		PRELIMINARY	c440c30
		Board Name:		Project Name:	
		0		Test KDT	
	Sheet Title: Sheet Title B	File Name: Section B - Title B.kicad_sch	Designer: SET	Date: 2025-01-12	Revision: + (Unreleased)
	Sheet Path: /Project Architecture/Section B - Title B/	Reviewer:	Size: A3	Sheet: 5 of 7	

[6] Power - Sequencing

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



	Comments:	Company: INTI	Variant: PRELIMINARY	Git Hash: c440c30
		Board Name: 0	Project Name: Test KDT	
	Sheet Title: Power - Sequencing	File Name: Power - Sequencing.kicad_sch	Designer: SET	Date: 2025-01-12
	Sheet Path: /Power - Sequencing/	Reviewer:	Size: A4	Revision: + (Unreleased)
				Sheet: 6 of 7

[7] Revision History

	Comments:	Company: INTI		Variant: PRELIMINARY	Git Hash: c440c30
		Board Name: 0		Project Name: Test KDT	
	Sheet Title: Revision History	File Name: Revision History.kicad_sch	Designer: SET	Date: 2025-01-12	Revision: + (Unreleased)
	Sheet Path: /Revision History/		Reviewer:	Size: A4	Sheet: 7 of 7