

Board Name

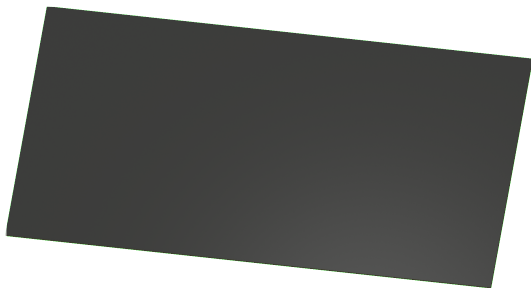
Variant: DRAFT

2026-01-08

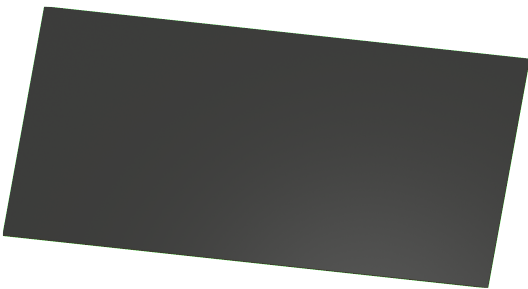
Rev + (Unreleased)

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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: 08-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:

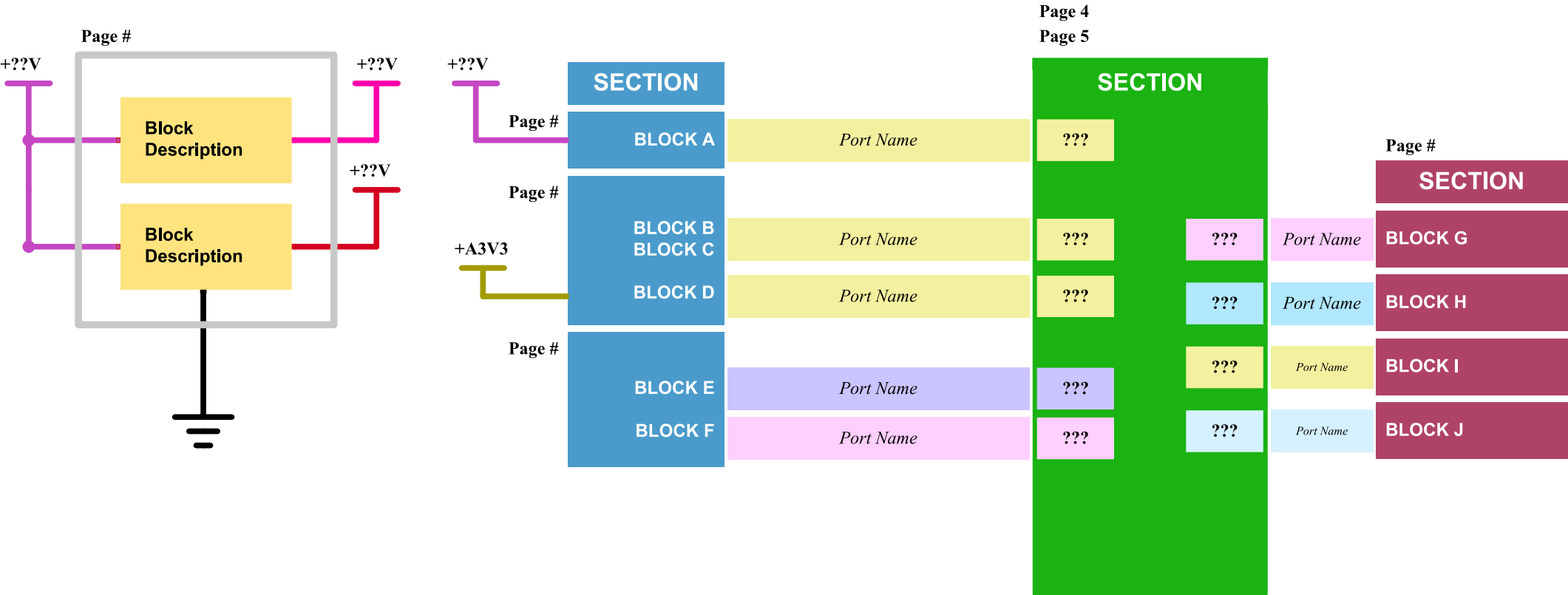
Example text for critical design notes.

LAYOUT NOTE:

Example text for critical layout guidelines.

| | | | | | |
|--|------------------|---|---------------------|--------------------------------|-----------------------------|
| | Comments: | Company: Company Name | | Variant: DRAFT | Git Hash: 8c341b7 |
| | Sheet Title: | Board Name: Board Name | | Project Name: KiBot Project | |
| | Sheet Path: / | File Name: solar_smart_station.kicad_sch | Designer: Author | Date: 2025-01-12 | Revision: + (Unreleased) |
| | | | Reviewer: | Size: A3 | Sheet: 1 of 9 |

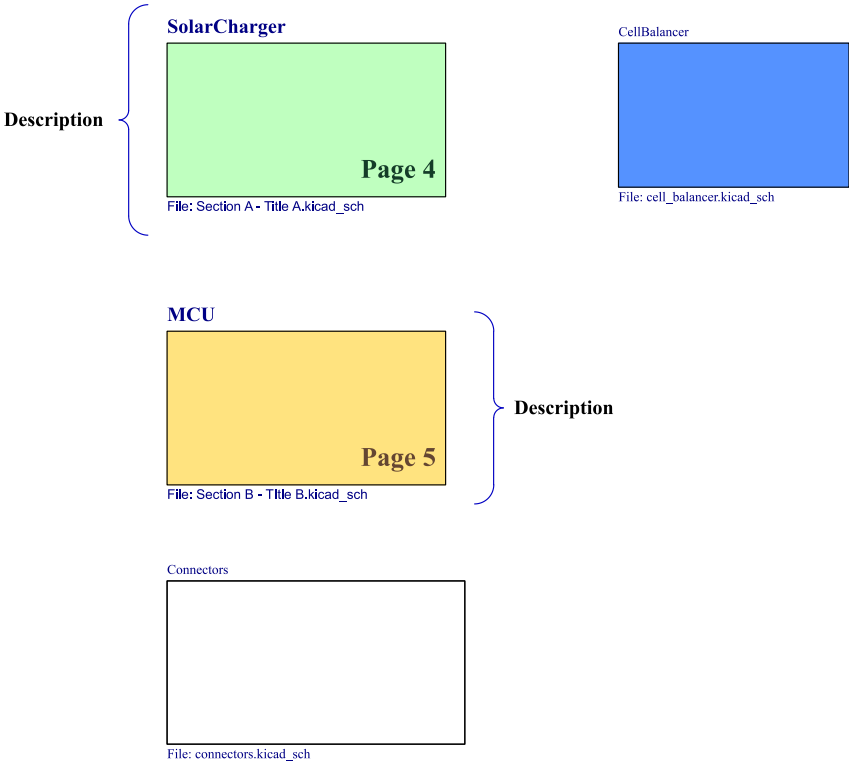
[2] Block Diagram



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

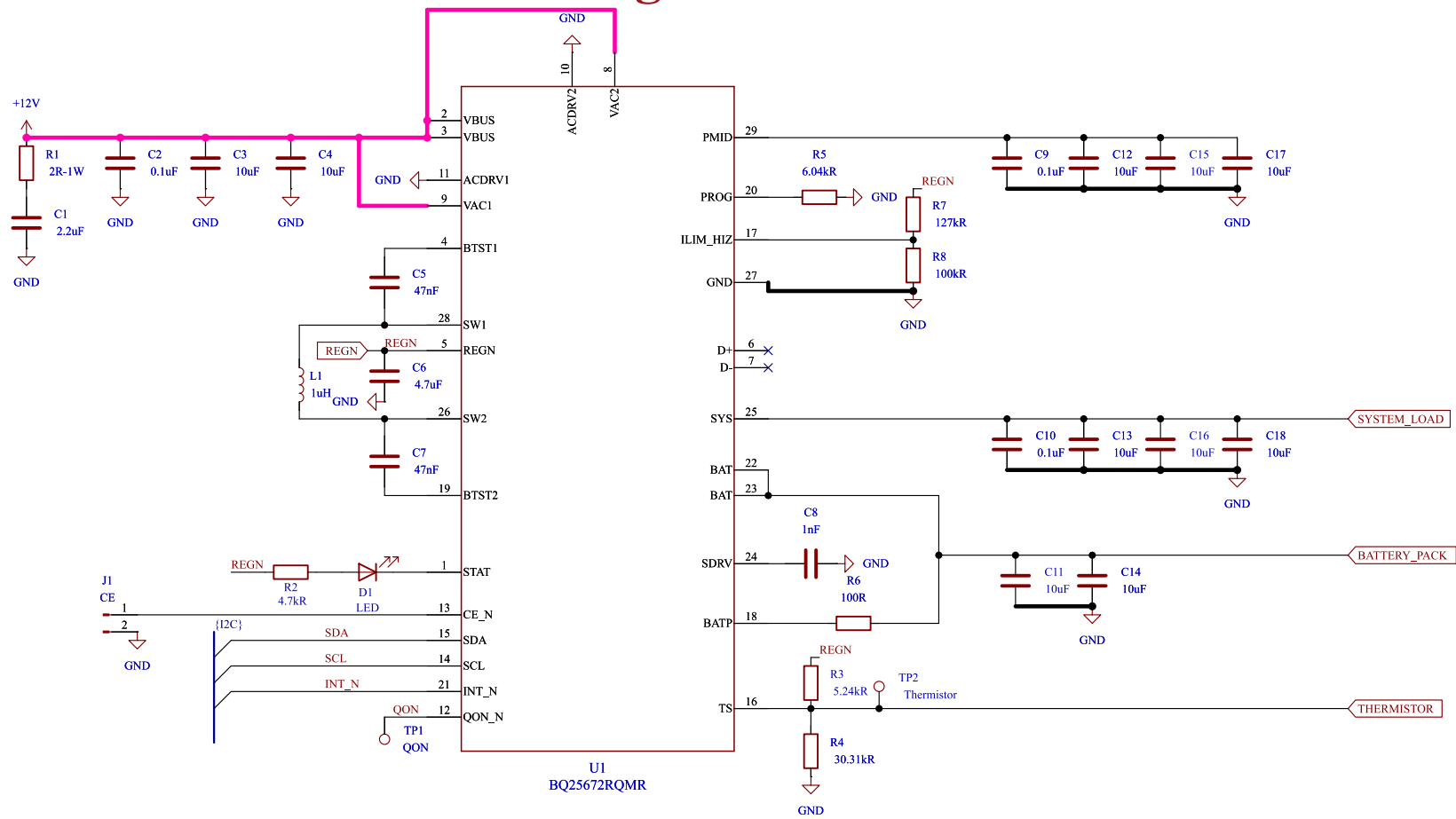
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| | Comments: | Company: Company Name | | Variant: DRAFT | Git Hash: 8c341b7 |
| | | Board Name: Board Name | | Project Name: KiBot Project | |
| | Sheet Title: Block Diagram | File Name: Block Diagram.kicad_sch | Designer: Author | Date: 2025-01-12 | Revision: + (Unreleased) |
| Sheet Path: /Block Diagram/ | | | Reviewer: | Size: A3 | Sheet: 2 of 9 |

[3] Project Architecture



| | | | | | |
|--|---------------------------------------|--|---------------------|--------------------------------|-----------------------------|
| | Comments: | Company: Company Name | | Variant: DRAFT | Git Hash: 8e341b7 |
| | | Board Name: Board Name | | Project Name: KiBot Project | |
| | Sheet Title: Project Architecture | File Name: Project Architecture.kicad_sch | Designer: Author | Date: 2025-01-12 | Revision: + (Unreleased) |
| | Sheet Path: /Project Architecture/ | | Reviewer: | Size: A4 | Sheet: 3 of 9 |

[4] Solar Charger

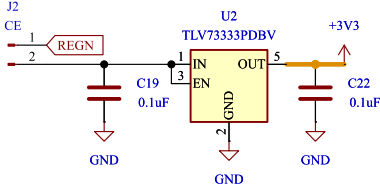


LAYOUT NOTE:
blablabla

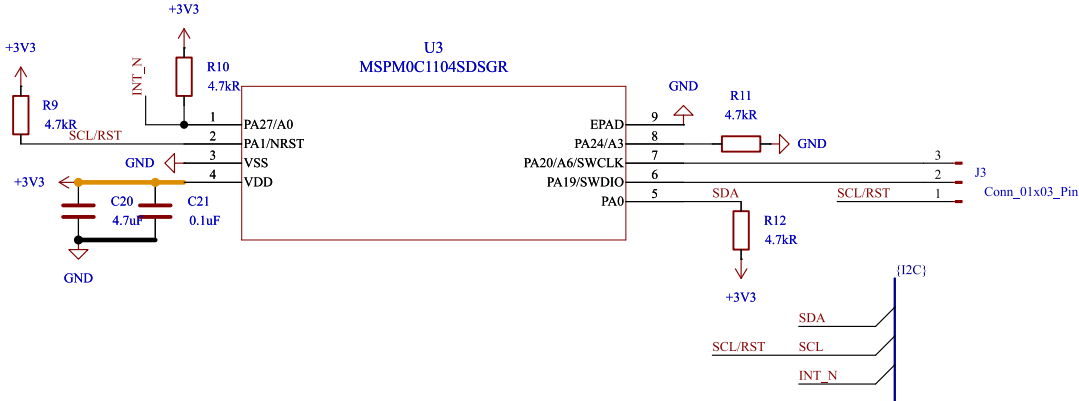
DESIGN NOTE:
blablabla

| | | | | | | |
|--|-------------------------------------|--|-------------------------------|--|---------------|----------------|
| | Comments: | | Company: | | Variant: | Git Hash: |
| | | | Company Name | | DRAFT | 8e341b7 |
| | | | Board Name: | | Project Name: | |
| | Sheet Title: | | File Name: | | Designer: | Date: |
| | Solar Charger | | Section A - Title A.kicad_sch | | Author | 2025-01-12 |
| | STM32G474 Datasheet p.81 | | | | Reviewer: | Size: |
| | J. Pieper ADC investigation | | | | | Revision: |
| | /Project Architecture/SolarCharger/ | | | | | + (Unreleased) |
| | | | | | | Sheet: |
| | | | | | | A4 |
| | | | | | | 4 of 9 |

[5] MCU



3V3 LDO



MCU Charger Control

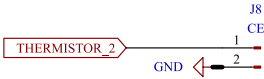
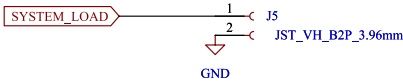
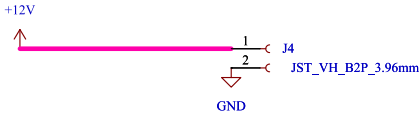
DESIGN NOTE:
blabla

DESIGN NOTE:
blabla

LAYOUT NOTE
blabla

| | | | | | |
|---|---------------------|---|---------------------|--------------------------------|-----------------------------|
| | Comments: | Company: Company Name | | Variant: DRAFT | Git Hash: 8e341b7 |
| | | Board Name: Board Name | | Project Name: KiBot Project | |
| | Sheet Title: MCU | File Name: Section B - Title B.kicad_sch | Designer: Author | Date: 2025-01-12 | Revision: + (Unreleased) |
| Sheet Path: /Project Architecture/MCU/ | | | Reviewer: | Size: A4 | Sheet: 5 of 9 |

[7] Connectors



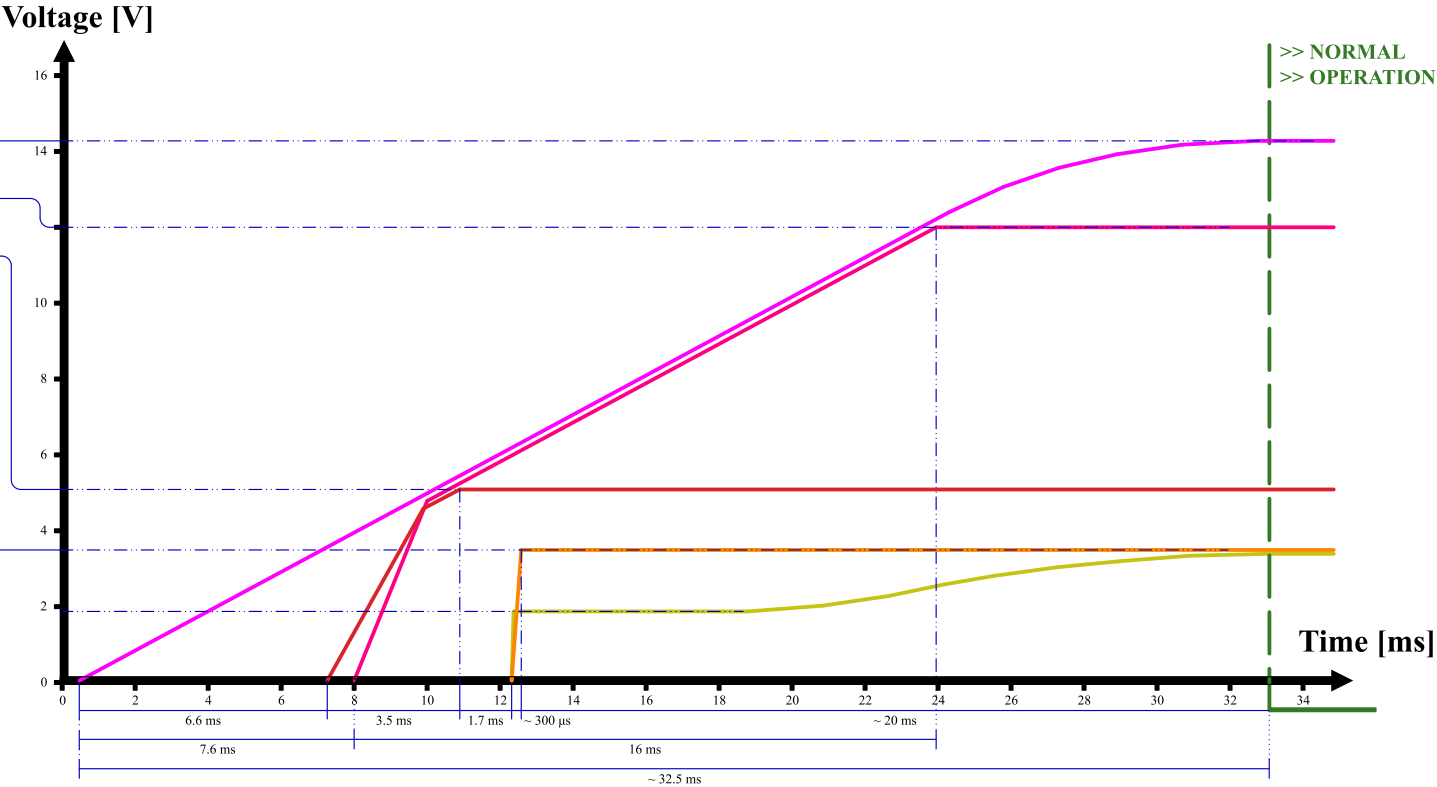
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| | | Board Name: Board Name | | Project Name: KiBot Project | |
| | Sheet Title: Connectors | File Name: connectors.kicad_sch | Designer: Author | Date: 2025-01-12 | Revision: + (Unreleased) |
| | Sheet Path: /Project Architecture/Connectors/ | | Reviewer: | Size: A4 | Sheet: 7 of 9 |

[8] Revision History

| | | | | | |
|--|-----------------------------------|--|---------------------|--------------------------------|-----------------------------|
| | Comments: | Company: Company Name | | Variant: DRAFT | Git Hash: 8e341b7 |
| | | Board Name: Board Name | | Project Name: KiBot Project | |
| | Sheet Title: Revision History | File Name: Revision History.kicad_sch | Designer: Author | Date: 2025-01-12 | Revision: + (Unreleased) |
| | Sheet Path: /Revision History/ | | Reviewer: | Size: A4 | Sheet: 8 of 9 |

[9] Power - Sequencing

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



| | | | | | |
|--|-------------------------------------|--|---------------------|--------------------------------|-----------------------------|
| | Comments: | Company: Company Name | | Variant: DRAFT | Git Hash: 8e341b7 |
| | | Board Name: Board Name | | Project Name: KiBot Project | |
| | Sheet Title: Power - Sequencing | File Name: Power - Sequencing.kicad_sch | Designer: Author | Date: 2025-01-12 | Revision: + (Unreleased) |
| | Sheet Path: /Power - Sequencing/ | | Reviewer: | Size: A4 | Sheet: 9 of 9 |