

0

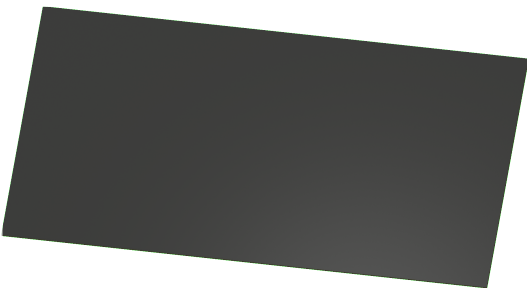
Variant: DRAFT

2025-12-10

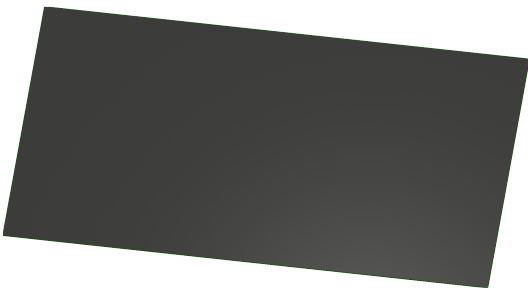
Rev + (Unreleased)

| Page | Index | Page | Index | Page | Index | Page | Index |
|------|----------------------|------|-------|------|-------|------|-------|
| 1 | Cover Page | 11 | | 21 | | 31 | |
| 2 | Block Diagram | 12 | | 22 | | 32 | |
| 3 | Project Architecture | 13 | | 23 | | 33 | |
| 4 | Section A - Title A | 14 | | 24 | | 34 | |
| 5 | Section B - Title B | 15 | | 25 | | 35 | |
| 6 | Power - Sequencing | 16 | | 26 | | 36 | |
| 7 | Revision History | 17 | | 27 | | 37 | |
| 8 | | 18 | | 28 | | 38 | |
| 9 | | 19 | | 29 | | 39 | |
| 10 | | 20 | | 30 | | 40 | |

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.

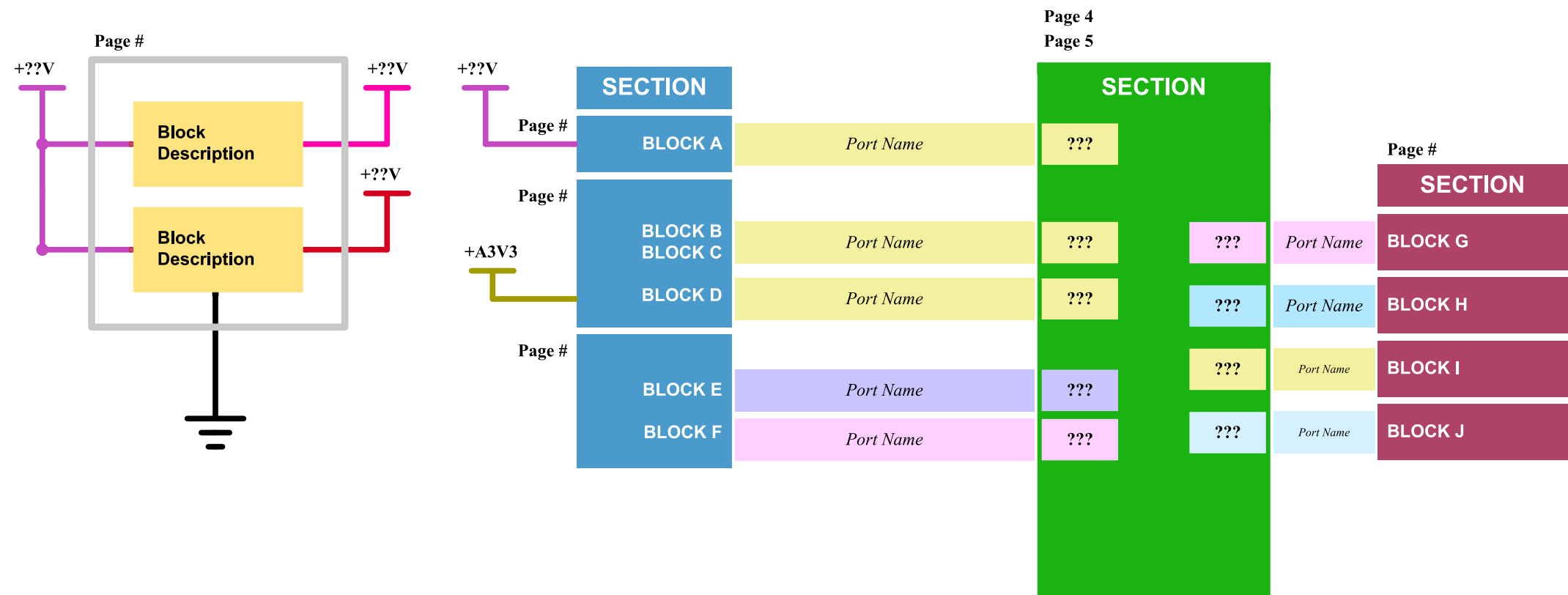
DESIGN NOTE:
Example text for
cautionary design
notes.

DESIGN NOTE:
Example text for
critical design
notes.

LAYOUT NOTE:
Example text for
critical layout
guidelines.

| | | | | | |
|--|------------------|--|------------------|---------------------------|-----------------------------|
| | Comments: | Company: INTI | | Variant: DRAFT | 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



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

| | | | | | |
|--|--------------------------------|---------------------------------------|------------------|---------------------------|-----------------------------|
| | Comments: | Company: INTI | | Variant: DRAFT | 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 |

| | | | | | | | | |
|---|--|---|---|---|---|---|---|---|
| | 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>Description</div></div></div> | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| E | | | | | | | | |
| F | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

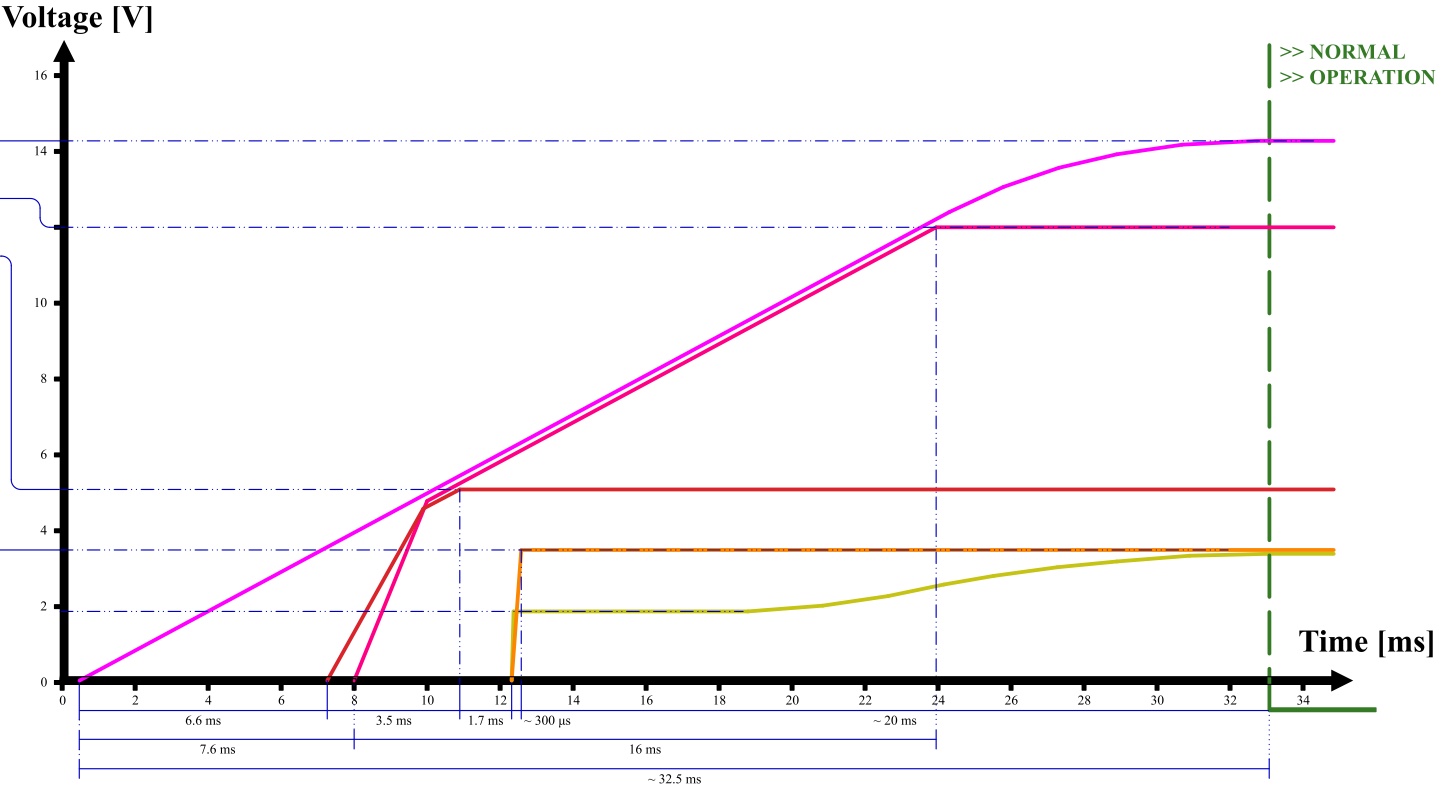
| | | | | | |
|--|---------------------------------------|--|------------------|---------------------------|-----------------------------|
| | Comments: | Company: INTI | | Variant: DRAFT | Git Hash: c440c30 |
| | | Board Name: 0 | | Project Name: Test KDT | |
| | Sheet Title: Project Architecture |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

| | | | | | |
|---|--|--|-------------------------------|---------------|----------------|
| [4] Sheet Title A | | | | | |
| <div><div>LAYOUT NOTE: blablabla</div><div>DESIGN NOTE: blablabla</div><div>Block Description</div></div> | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | Comments: | | Company: | |
| | | AN5346 | | INTI | |
| | | STM32G474 Datasheet p.81 | | Variant: | |
| | | J. Pieper ADC investigation | | DRAFT | |
| | | Board Name: | | Project Name: | |
| | | 0 | | Test KDT | |
| | | Sheet Title: | File Name: | Designer: | Date: |
| | | Sheet Title A | Section A - Title A.kicad_sch | SET | 2025-01-12 |
| | | Sheet Path: | Reviewer: | Size: | Revision: |
| | | /Project Architecture/Section A - Title A/ | | A4 | + (Unreleased) |
| | | | | Sheet: | |
| | | | | 4 | of 7 |

| | | | | | | | | | | | | | |
|---|--|------------------------------|---|------------|----------------|--|--|--|-------------|--|---------------|-----------|--|
| [5] Sheet Title B | | | | | | | | | | | | | |
| <div></div> <div>DESIGN NOTE: blabla</div> <div>DESIGN NOTE: blabla</div> <div>LAYOUT NOTE: blabla</div> <div>Block Description</div> | | | <div></div> <div>Block Description</div> | | | | <div></div> <div>Block Description</div> | | | | | | |
| | | | | | | | | | | <div></div> <div>Block Description</div> <div>Block Description</div> <div>Block Description</div> | | | |
| | | | <div></div> <div>Block Description</div> <div>Block Description</div> | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | <div></div> <div>Block Description</div> | | | <div></div> <div>Block Description</div> | | | | <div></div> <div>Block Description</div> | | | |
| | | | | | | | Comments: | | Company: | | Variant: | Git Hash: | |
| | | | | | | | References: Flexible I/O worked examples Flexible I/O source configuration | | INTI | | DRAFT | c440c30 | |
| | | | | | | | | | Board Name: | | Project Name: | | |
| | | | | | | | Sheet Title: | | File Name: | Designer: | Date: | Revision: | |
| Sheet Title B | | Section B - Ttle B.kicad_sch | SET | 2025-01-12 | + (Unreleased) | | | | | | | | |
| Sheet Path: | | | Reviewer: | | Size: | Sheet: | | | | | | | |
| /Project Architecture/Section B - Title B/ | | | | | A3 | 5 of 7 | | | | | | | |

[6] Power - Sequencing

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



| | | | | |
|--|-------------------------------------|--|---------------------------|-----------------------------|
| | Comments: | Company: INTI | Variant: DRAFT | 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: DRAFT | 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 |