

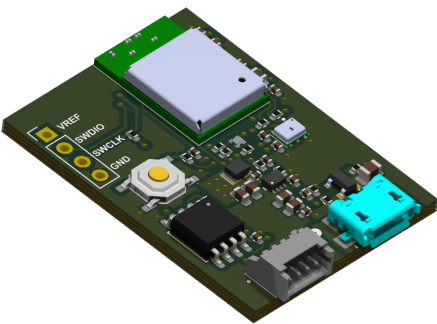
PCB NINA PROJECT

Variant: DRAFT

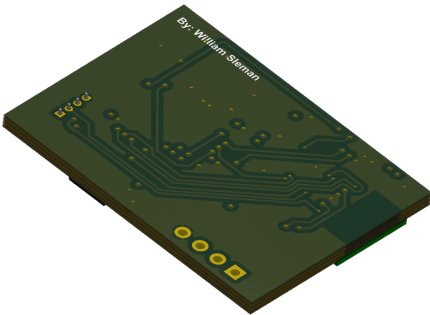
2025-05-21
Rev 1.0

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TOP VIEW



BOTTOM VIEW



NOTES

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.

DRAFT 16-MAY-2025

DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for
informational design
notes.

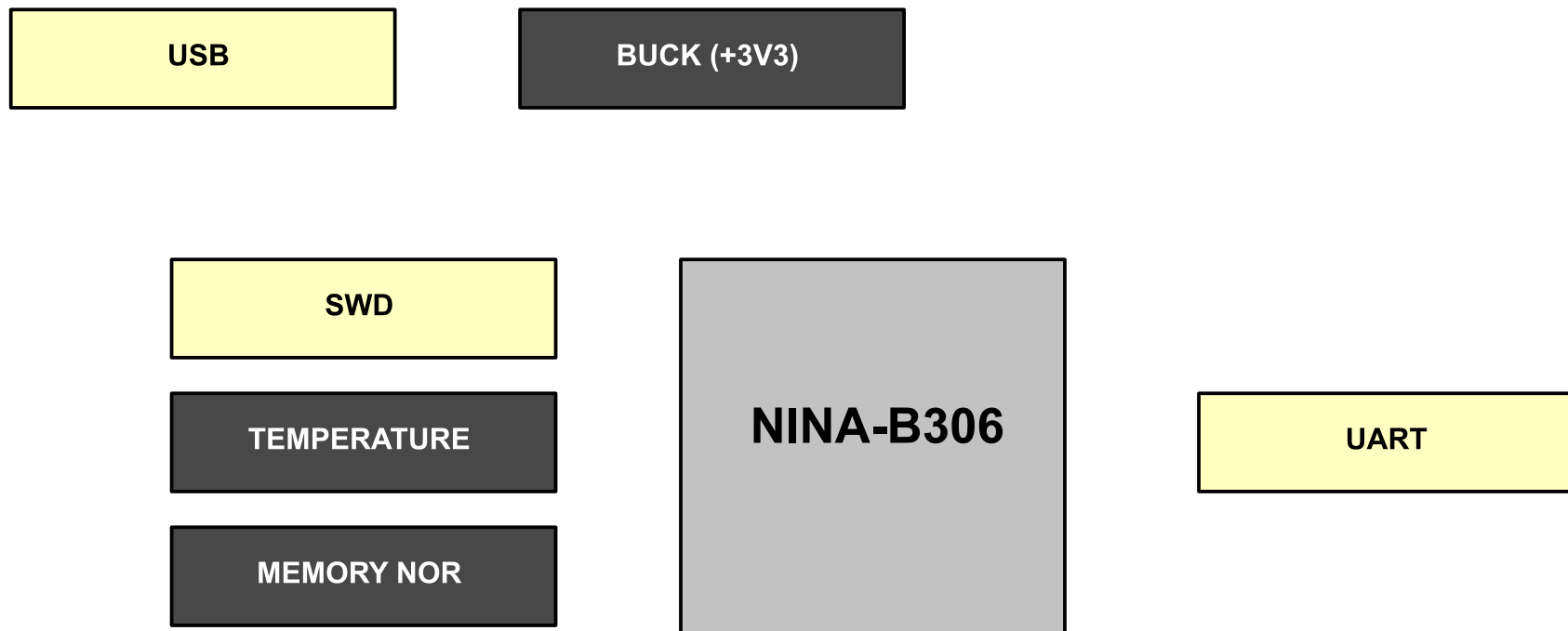
DESIGN NOTE:
Example text for
debug notes.

DESIGN NOTE:
Example text for
cautionary design
notes.

DESIGN NOTE:
Example text for
critical design
notes.

LAYOUT NOTE:
Example text for
critical layout
guidelines.

[02] - Block Diagram



Author: William Sleman

Sheet: /[02] - Block Diagram/

File: sheet2_sch.kicad_sch

Title: PCB NRF52 PROJECT

Size: A4

Date: 2025-05-16

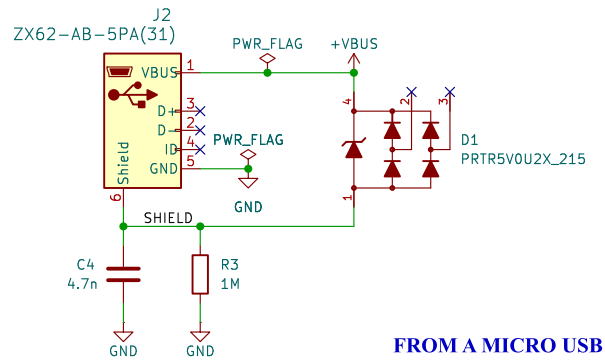
Rev: 1.0

KiCad E.D.A. 9.0.2

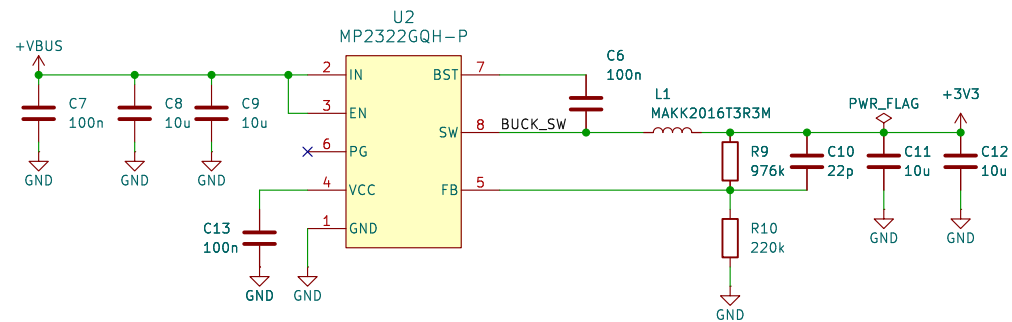
Id: 2/5

[03] - Power Supply

CONNECTOR



BUCK (+3V3)



Author: William Sleman

Sheet: /[03] - Power Supply/

File: sheet3_sch.kicad_sch

Title: PCB NRF52 PROJECT

Size: A4

Date: 2025-05-16

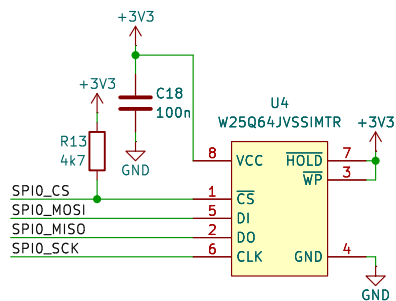
Rev: 1.0

KiCad E.D.A. 9.0.2

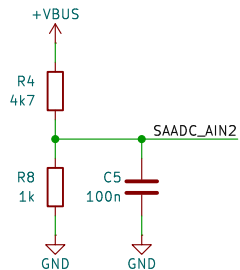
Id: 3/5

[04] - MCU

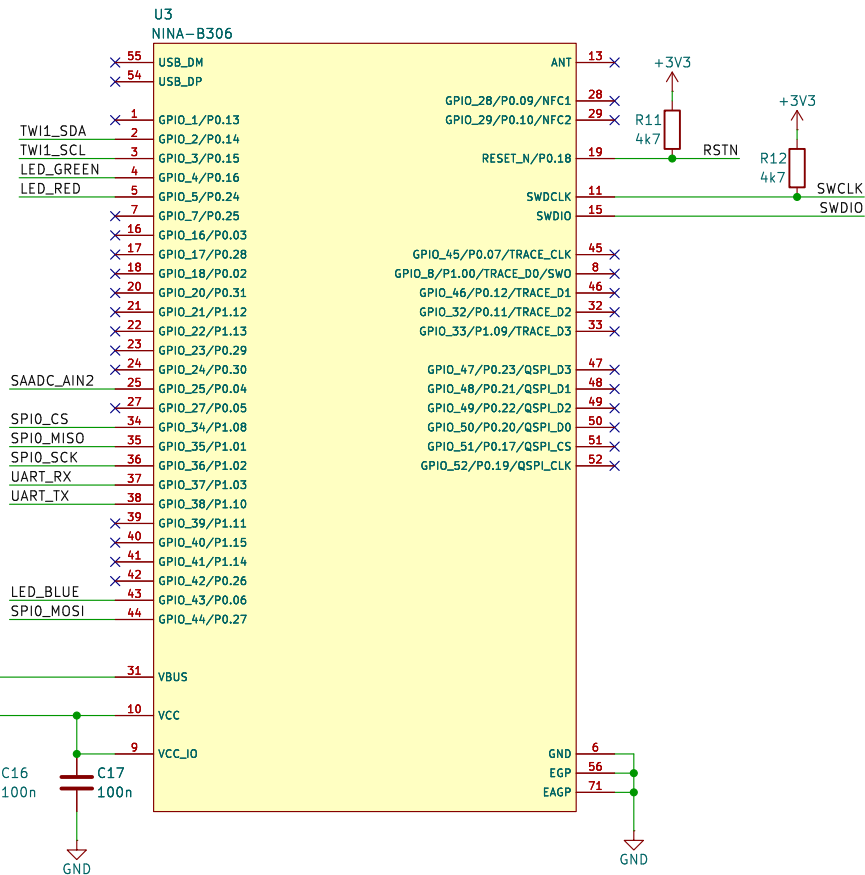
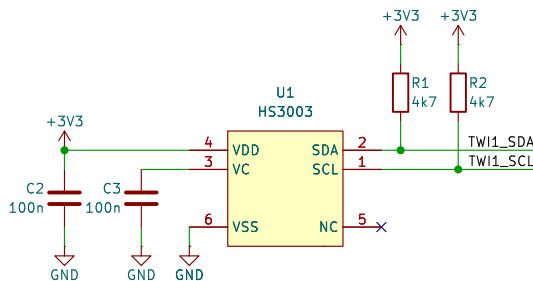
NOR



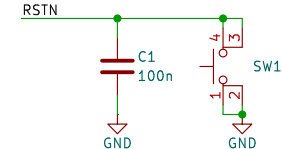
INPUT READ



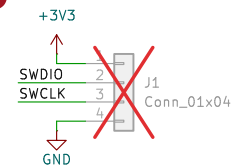
TEMPERATURE SENSOR



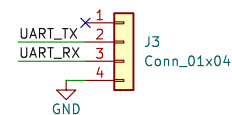
RESET



SWD

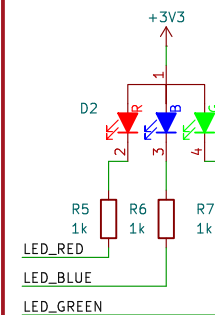


UART



Use a FTDI module to interface.

LED RGB



Author: William Sleman

Sheet: /[04] - MCU/
File: sheet4_sch.kicad_sch

Title: PCB NRF52 PROJECT

Size: A4 Date: 2025-05-16

KiCad E.D.A. 9.0.2

Rev: 1.0

Id: 4/5

[05] - Revision History

DD.MM.YYYY - xxx Revision
Variant: xxx

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DD.MM.YYYY - xxx Revision
Variant: xxx

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DD.MM.YYYY - xxx Revision
Variant: xxx

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Author: William Sleman

Sheet: /[05] - Revision History/

File: sheet4.kicad_sch

Title: PCB NRF52 PROJECT

Size: A4

Date: 2025-05-16

Rev: 1.0

KiCad E.D.A. 9.0.2

Id: 5/5