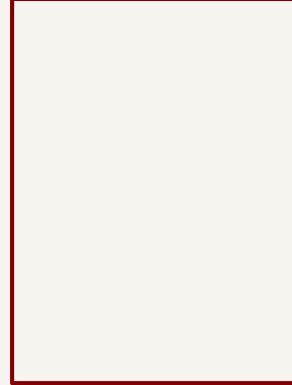
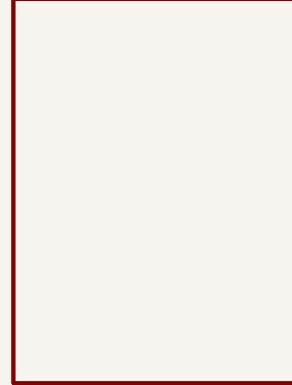


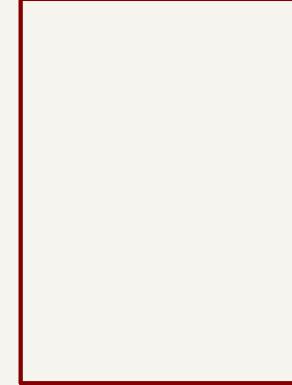
A

01 Descriptions

File: 01 Descriptions.kicad_sch

02 Block Diagram

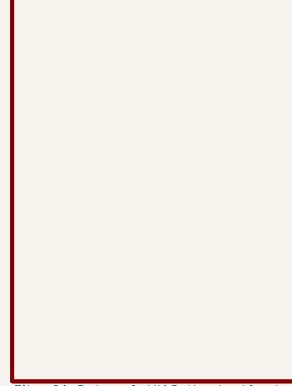
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03 Power

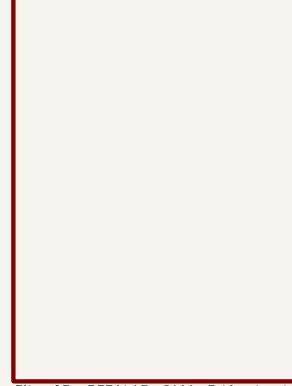
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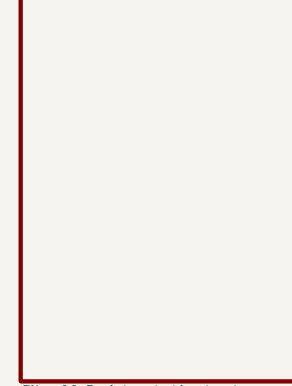
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04 Debug & XIAO Header

File: 04 Debug & XIAO Header.kicad_sch

05 nRF54L15–CAAA–R

File: 05 nRF54L15–CAAA–R.kicad_sch

06 Peripherals

File: 06 Peripherals.kicad_sch

C

B

seeed studio

Sheet: /
File: XIAO_nRF54L15.kicad_sch

Title: XIAO nRF54L15	CC BY-SA 4.0
Size: A4	Date: 2025-05-29
KiCad E.D.A. 9.0.0	Design: Wenkang.Liu

Rev: V0.9
Id: 1/7

A

Version	Descriptions	Data	Name
v1.0	First Release	4/16/2024	wenkang.liu

B

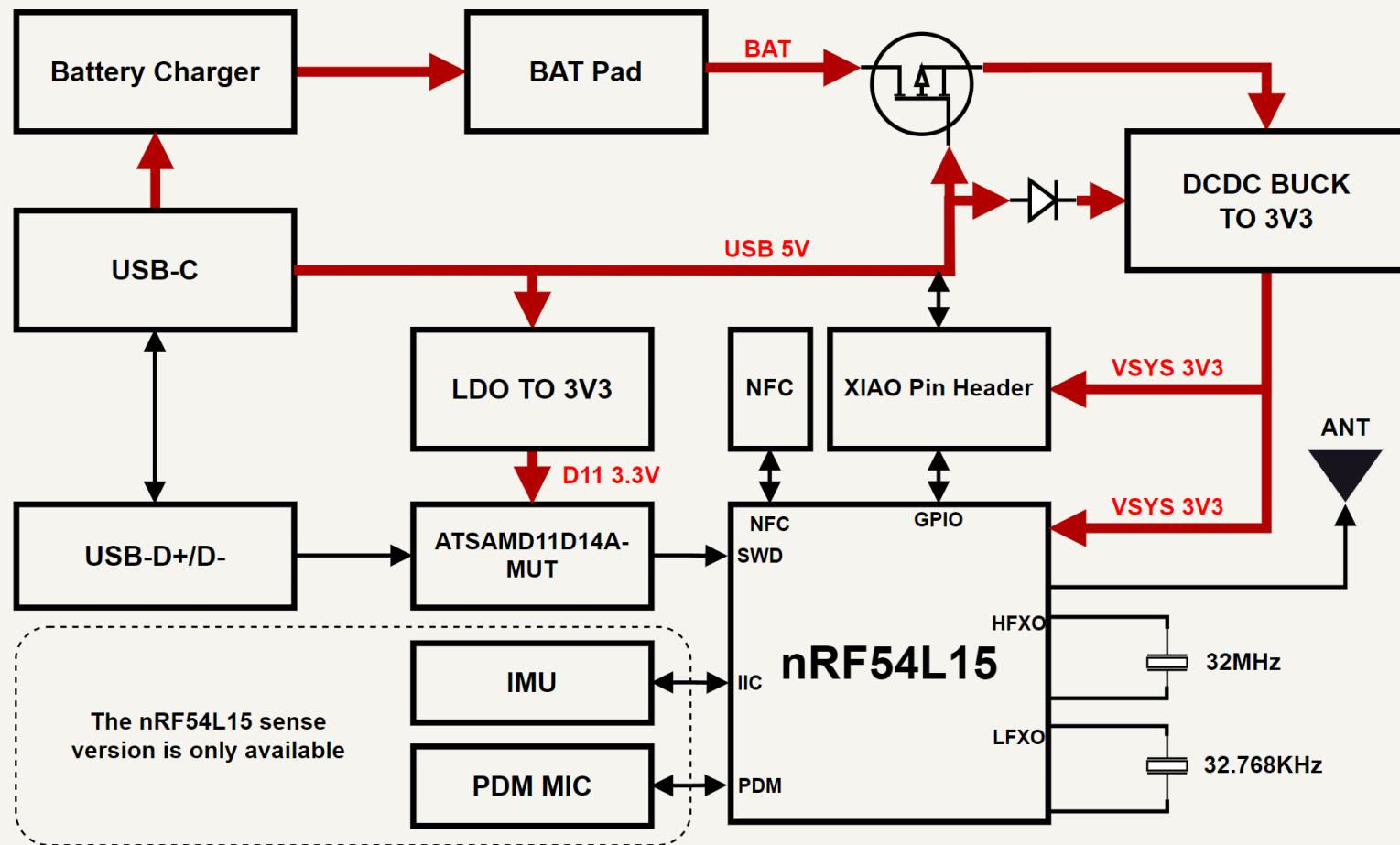
C

D

The logo for Seeed Studio, featuring the word "seeed" in a green sans-serif font and "studio" in a dark blue sans-serif font, with a small red heart icon between them.

Sheet: /01 Descriptions/
File: 01_Descriptions.kicad_sch

Title: XIAO nRF54L15	CC BY-SA 4.0		
Size: A4	Date: 2025-05-29	Design: Wenkang.Liu	Rev: V0.9
KiCad E.D.A. 9.0.0			Id: 2/7



seeed studio

Sheet: /02 Block Diagram/
File: 02 Block Diagram.kicad_sch

Title: XIAO nRF54L15

Size: A4 Date: 2025-05-29

Design: Wenkang.Liu

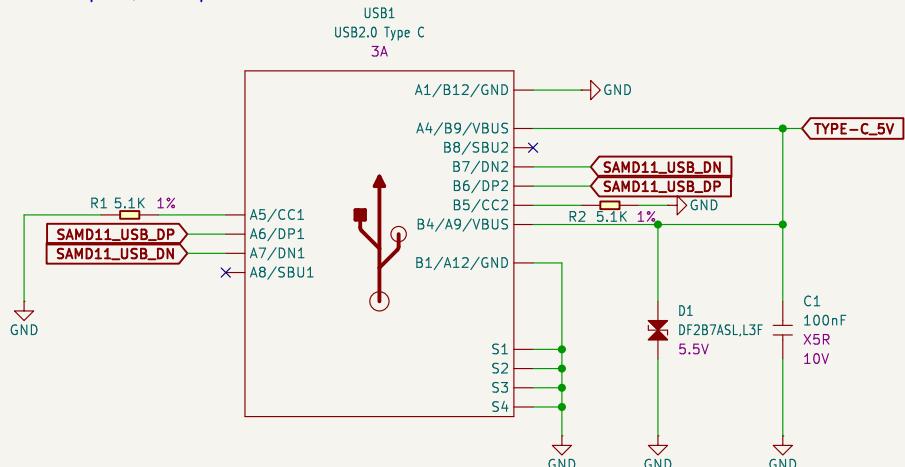
CC BY-SA 4.0

Rev: V0.9

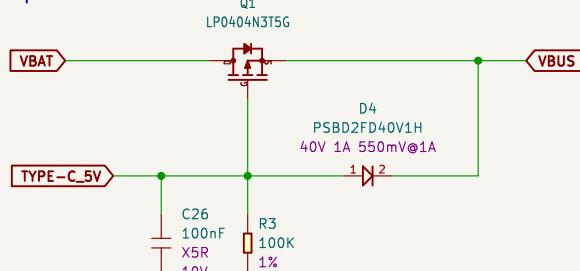
KiCad E.D.A. 9.0.0

Id: 3/7

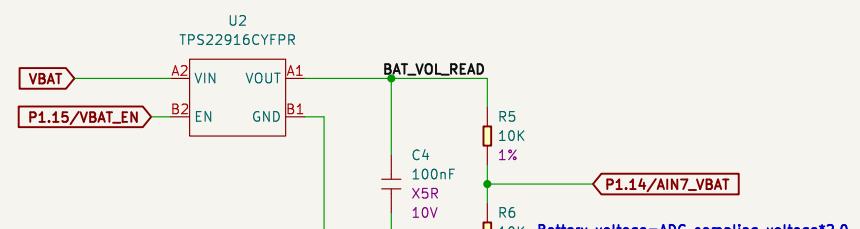
TYPE C input/output:



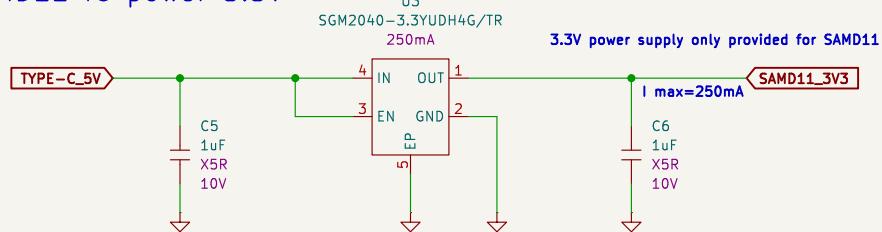
User Power input:



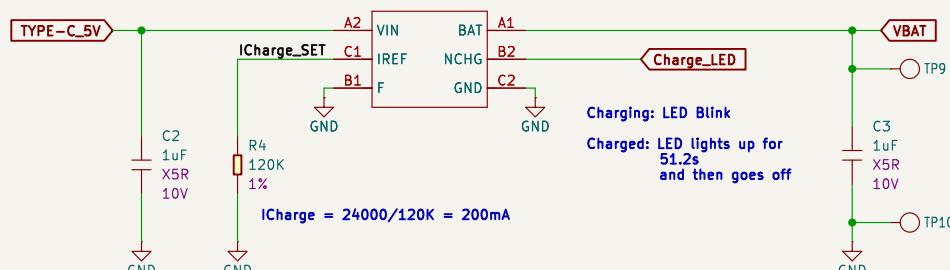
Battery voltage detection



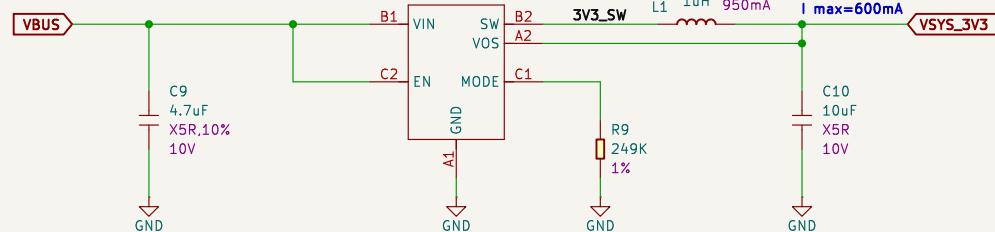
SAMD11 IC power 3.3V



Battery charge



System 3.3V



seeed studio

Sheet: /03 Power/
File: 03 Power.kicad_sch

Title: XIAO nRF54L15

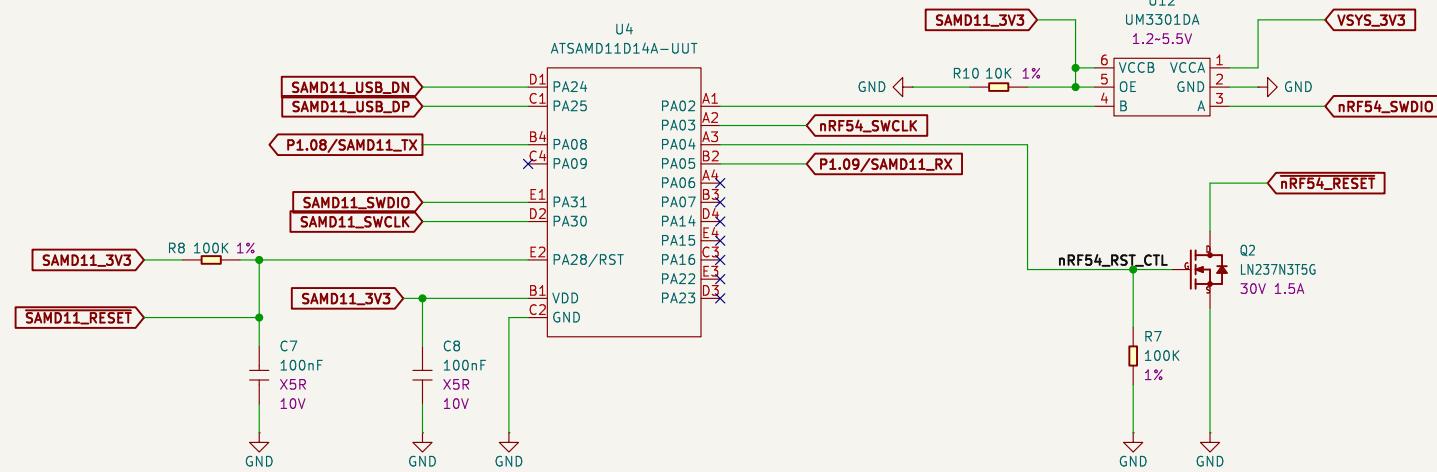
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Design: Wenkang.Liu Rev: V0.9

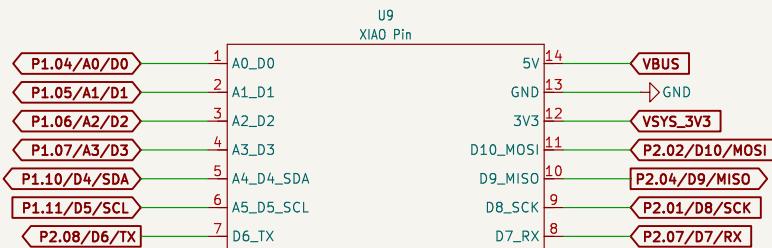
KiCad E.D.A. 9.0.0

Id: 4/7

SWD Debug IC (ATSAMD11D14A)



XIAO Header



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Sheet: /04 Debug & XIAO Header/
File: 04 Debug & XIAO Header.kicad_sch

Title: XIAO nRF54L15

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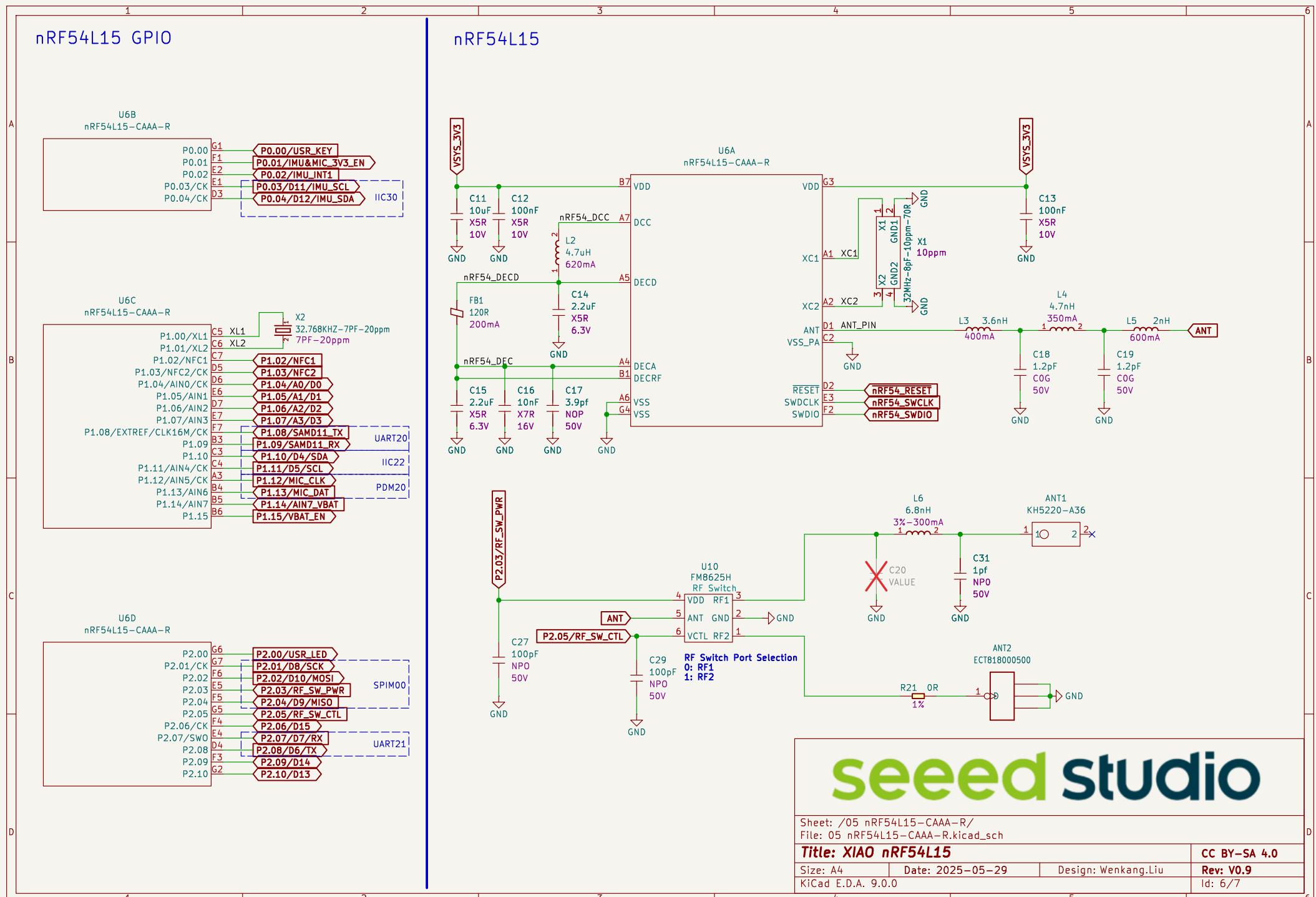
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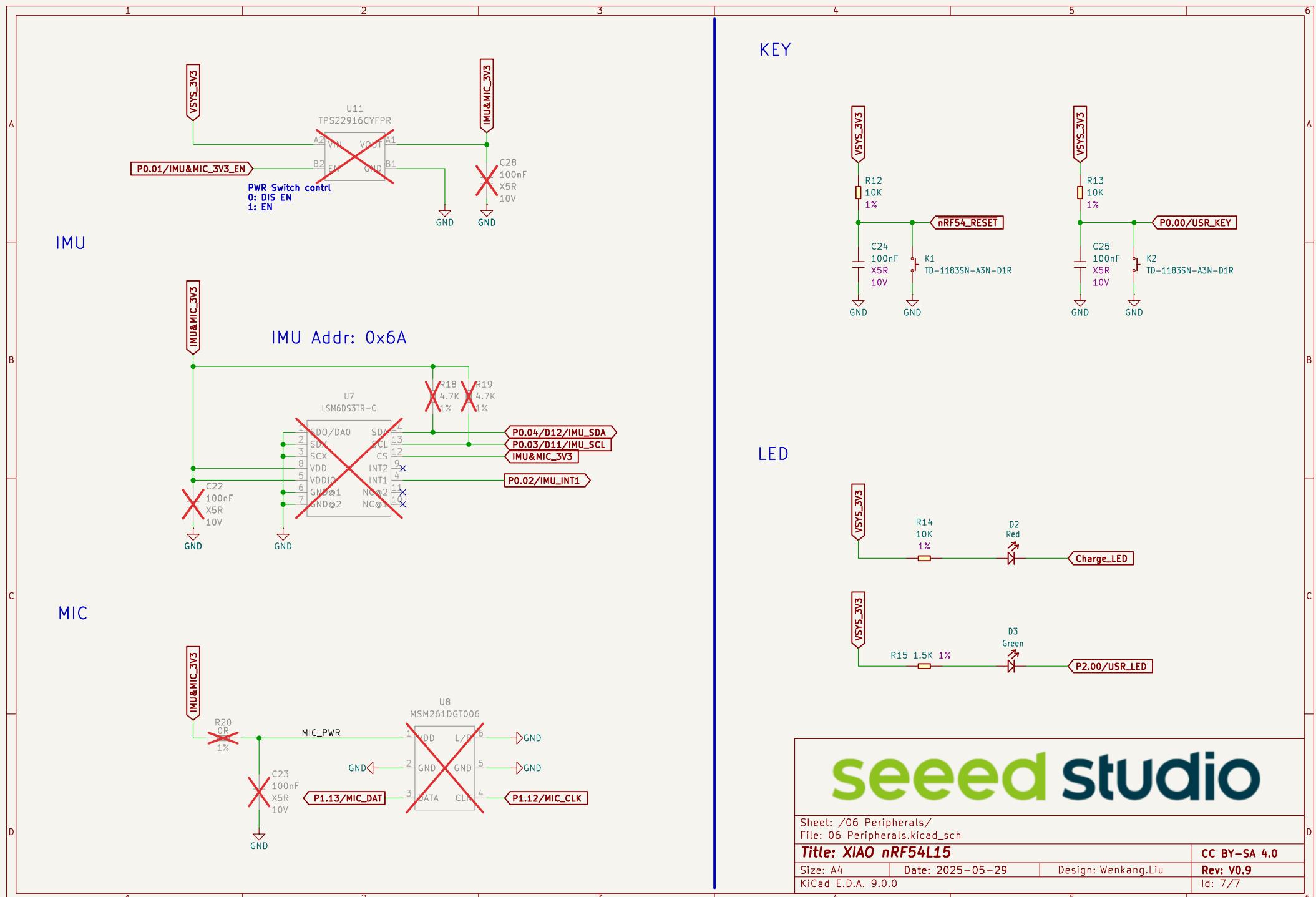
Design: Wenkang.Liu

Rev: V0.9

KiCad E.D.A. 9.0.0

Id: 5/7





seeed studio

Sheet: /06 Peripherals/
File: 06_Peripherals.kicad_sch

Title: XIAO nRF54L15	CC BY-SA 4.0
Size: A4	Date: 2025-05-29
KiCad E.D.A. 9.0.0	Design: Wenkang.Liu
	Rev: V0.9
	Id: 7/7