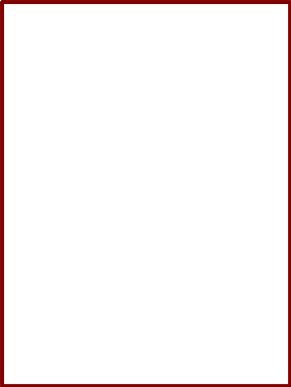


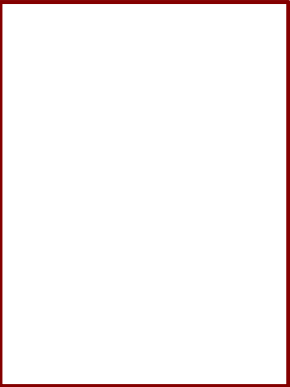
	1	2	3	4	5	6
A						
B						
C						
D						
	1	2	3	4	5	6

01 Descriptions



File: 01 Descriptions.kicad_sch

02 Block Diagram



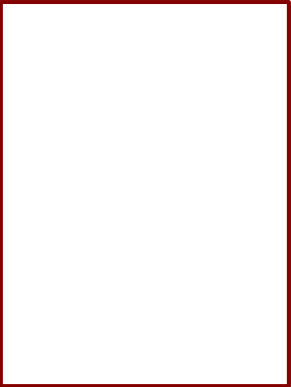
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03 Power



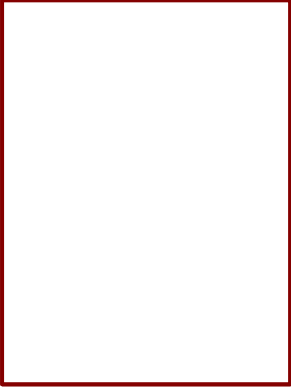
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04 ESP32-S3



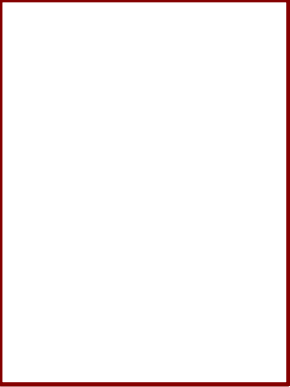
File: 04 ESP32-S3.kicad_sch

05 Debug&Interface



File: 05 Debug&Interface.kicad_sch

06 Peripherals



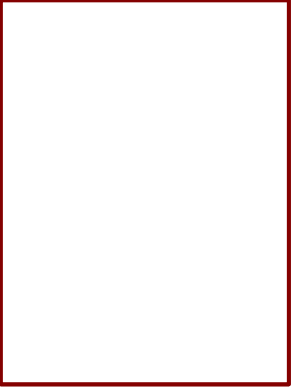
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07 50P FPC Connector



File: 07 50P FPC Connector.kicad_sch

08 24P FPC Connector



File: 08 24P FPC Connector.kicad_sch



Sheet: / File: reTerminal E1001.kicad_sch			
Title: reTerminal E1001			CC BY-SA 4.0
Size: A4	Date: 2025-08-05	Design: Wenkang.Liu	Rev: v1.0
KiCad E.D.A. 9.0.3			Id: 1/9

Version	Descriptions	Data	Name
v1.0	First Release	4/30/2025	wenkang.liu

seeed studio

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

Title: reTerminal E1001

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Size: A4

Date: 2025-08-05

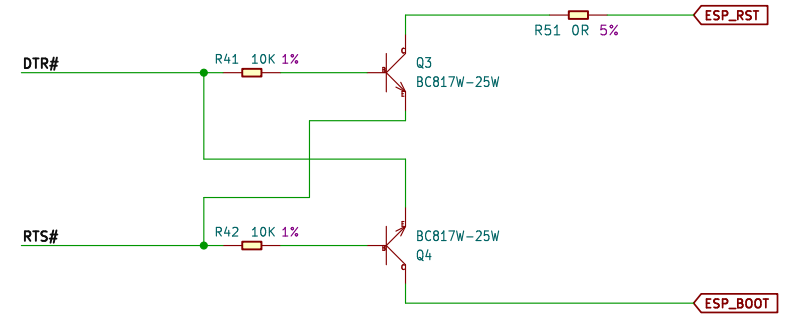
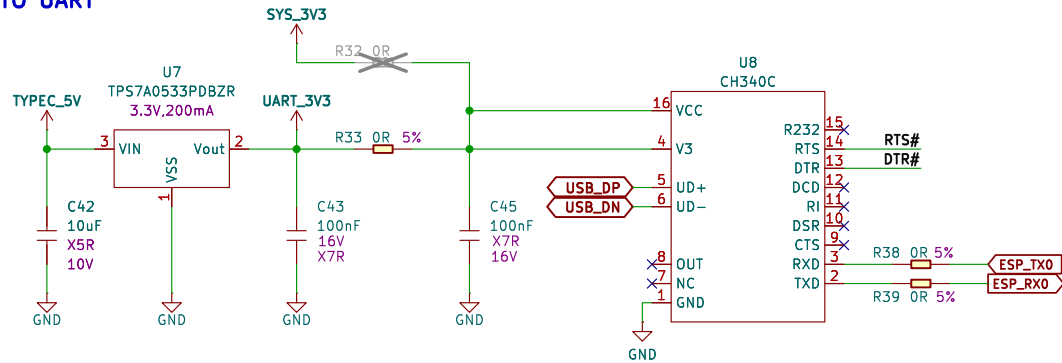
Design: Wenkang.Liu

Rev: v1.0

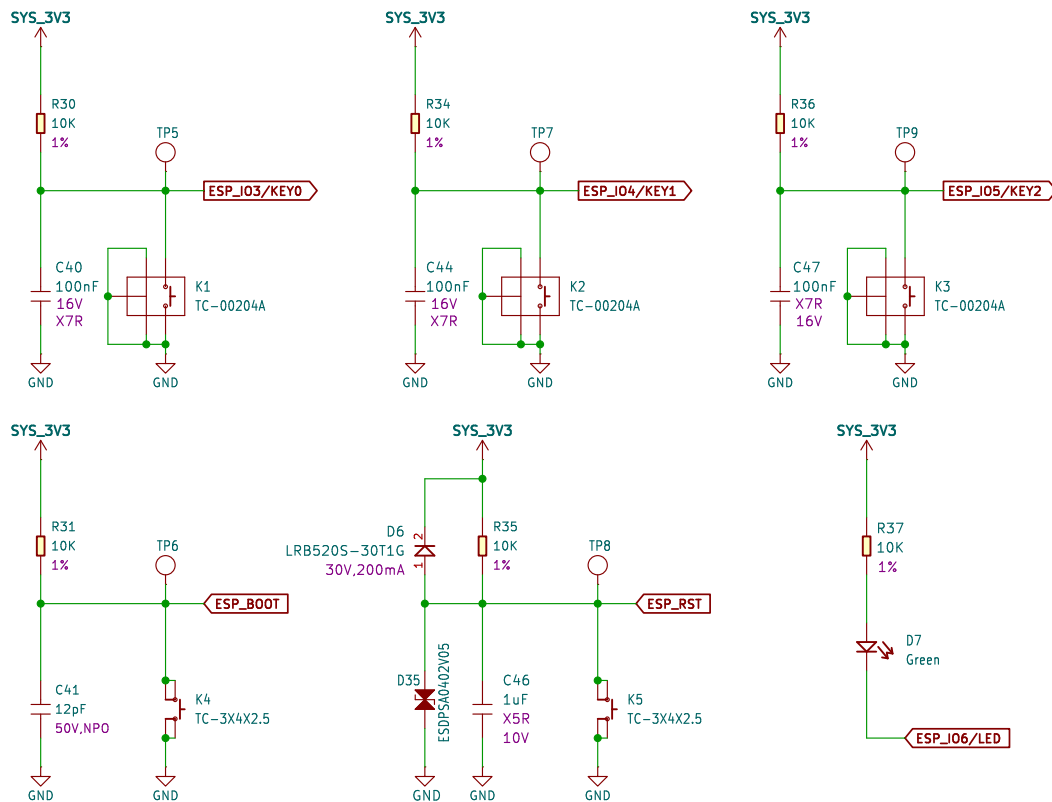
KiCad E.D.A. 9.0.3

Id: 2/9

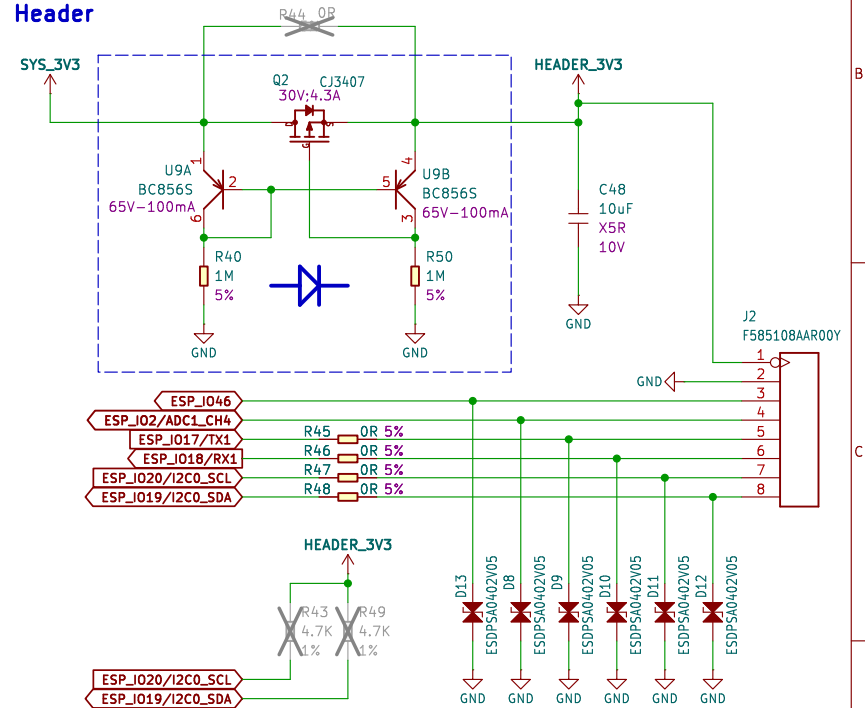
USB TO UART



RST & BOOT & USER KEY



Header



seeed studio

Sheet: /05 Debug&Interface/
File: 05 Debug&Interface.kicad_sch

Title: reTerminal E1001

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Size: A4

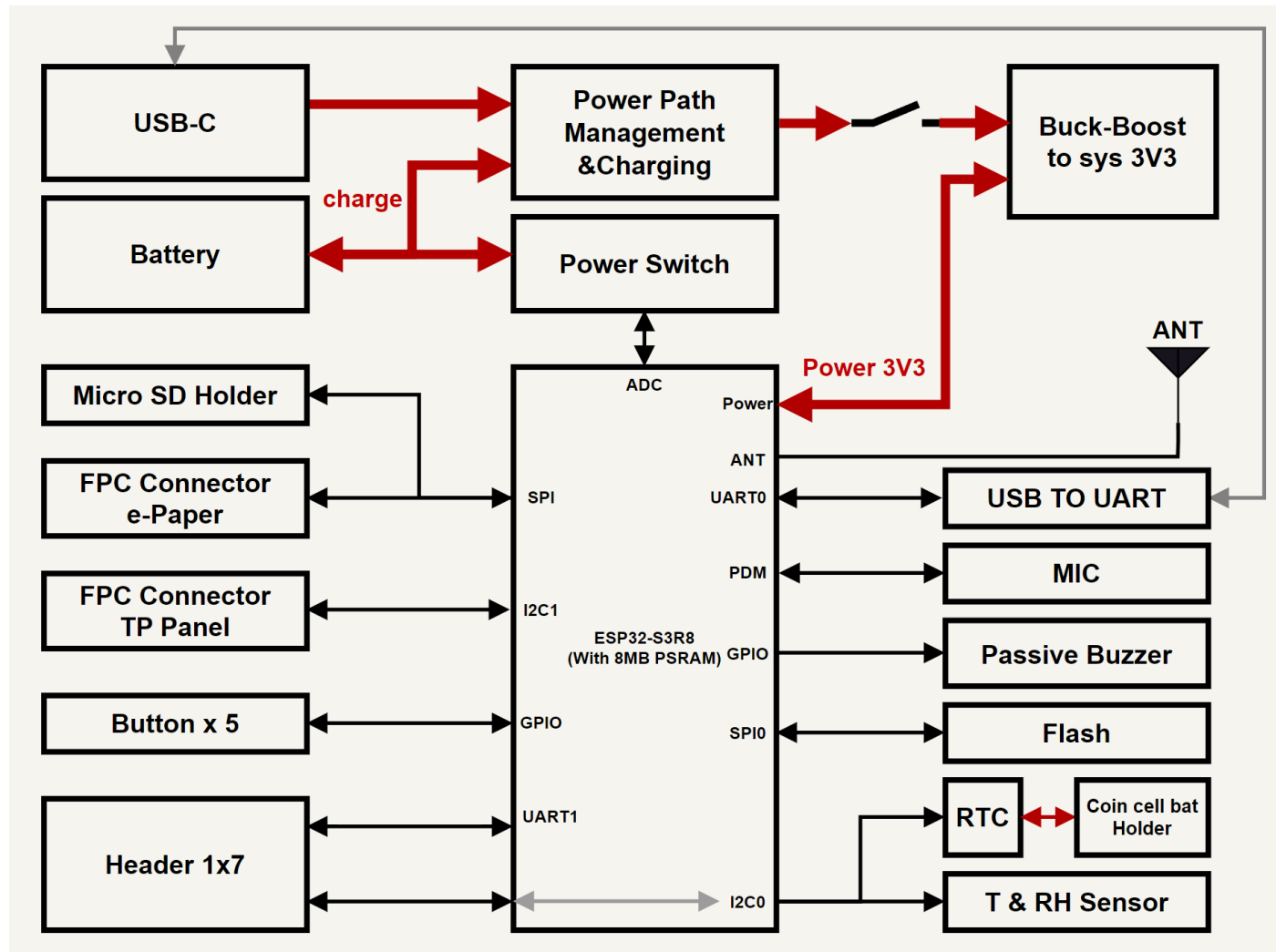
Date: 2025-08-05

Design: Wenkang.Liu

Rev: v1.0

KiCad E.D.A. 9.0.3

Id: 6/9



seeed studio

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

Title: reTerminal E1001

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Size: A4

Date: 2025-08-05

Design: Wenkang.Liu

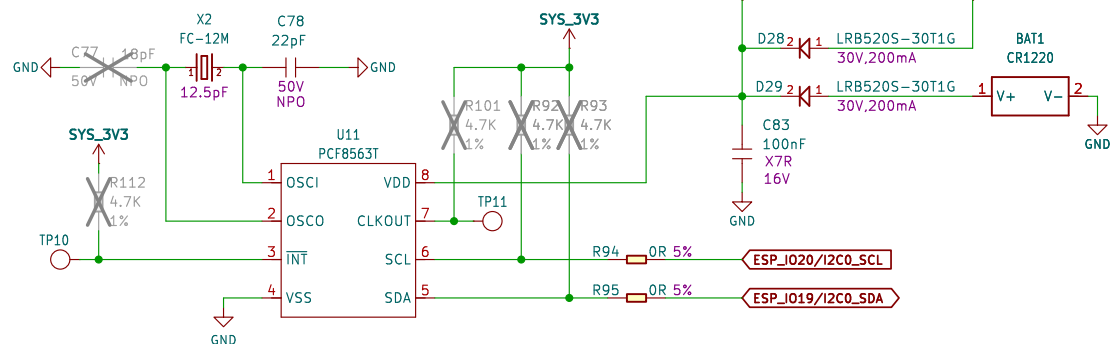
Rev: v1.0

KiCad E.D.A. 9.0.3

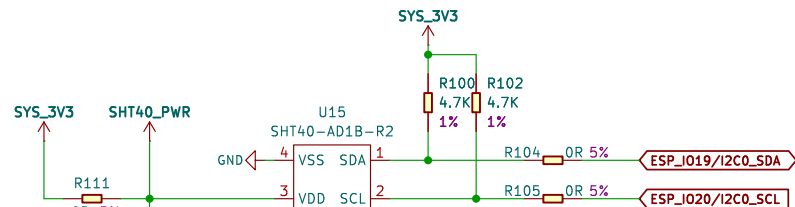
Id: 3/9

RTC

I2C Address: 0x51



Temperature and Humidity sensor

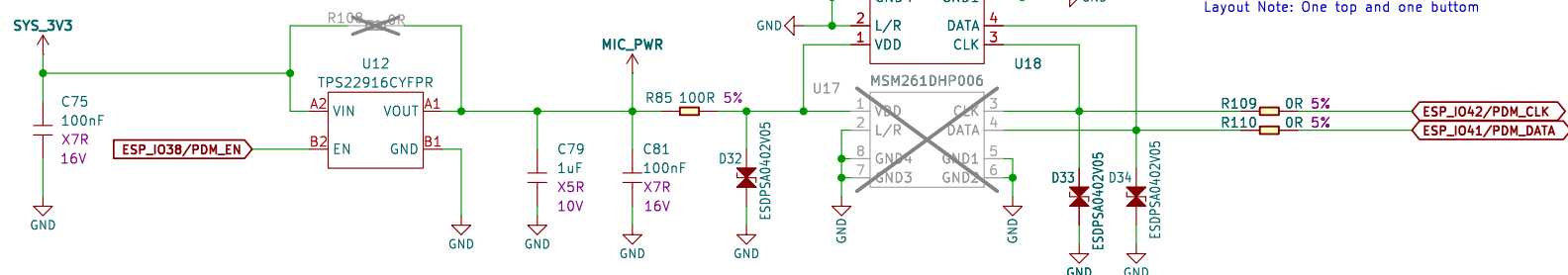


I2C Address: 0x44

Layout Note:

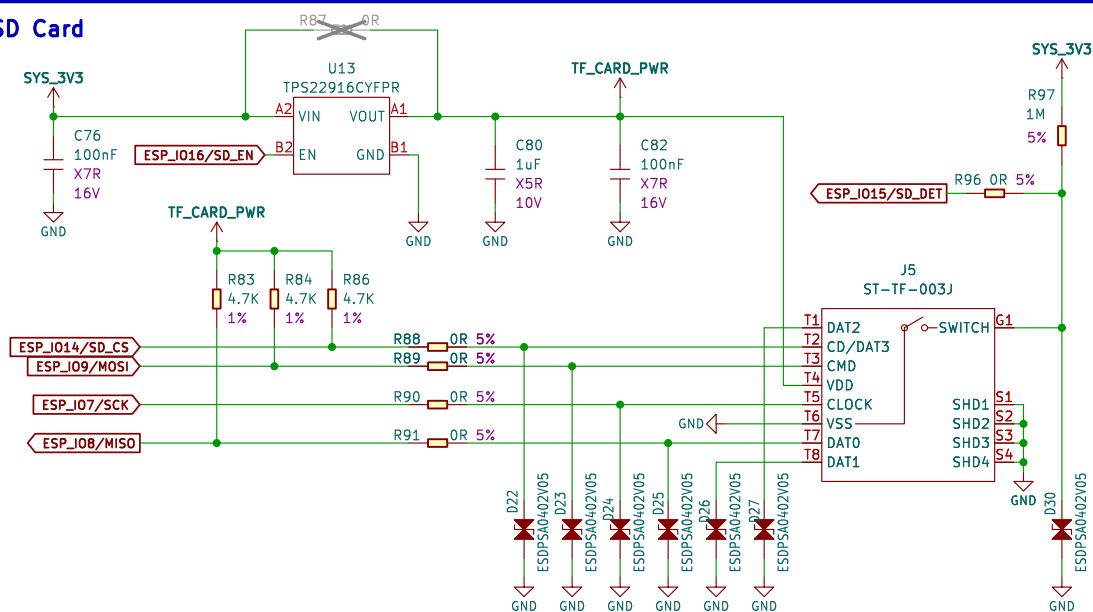
1. Keep away from heat sources
2. Mill a groove where the sensor is placed.
3. Do not place copper under the sensor; use wire to connect Power and GND.

PDM MIC

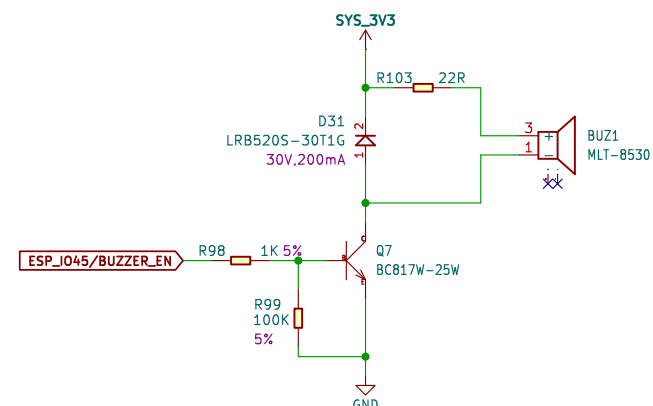


Layout Note: One top and one bottom

SD Card



BUZZER



seeed studio

Sheet: /06 Peripherals/

File: 06 Peripherals.kicad_sch

Title: reTerminal E1001

CC BY-SA 4.0

Size: A4

Date: 2025-08-05

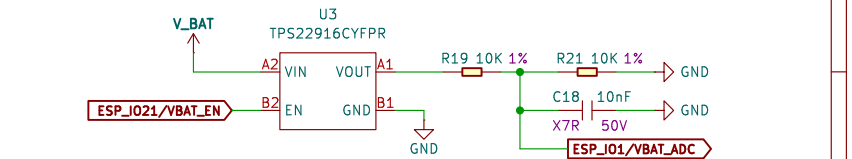
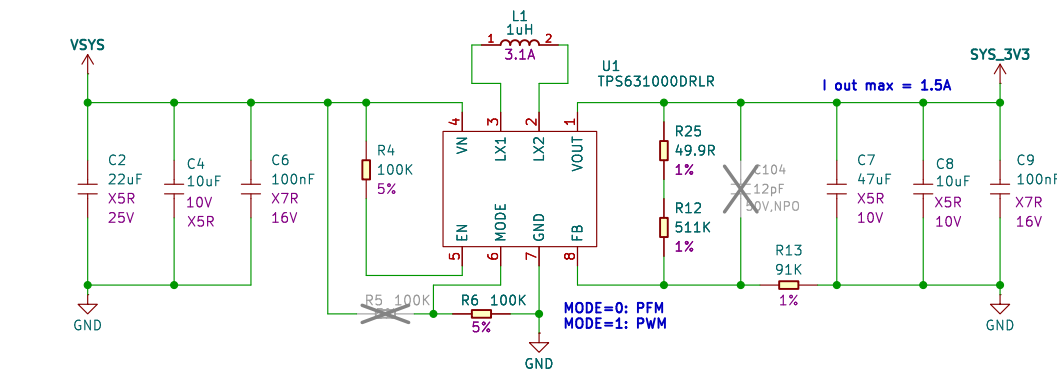
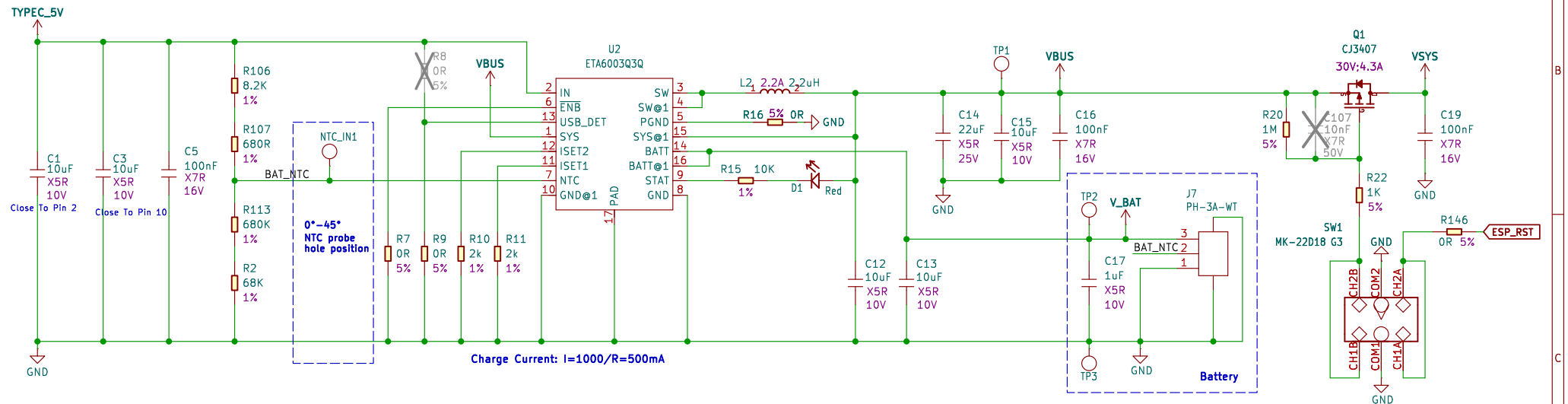
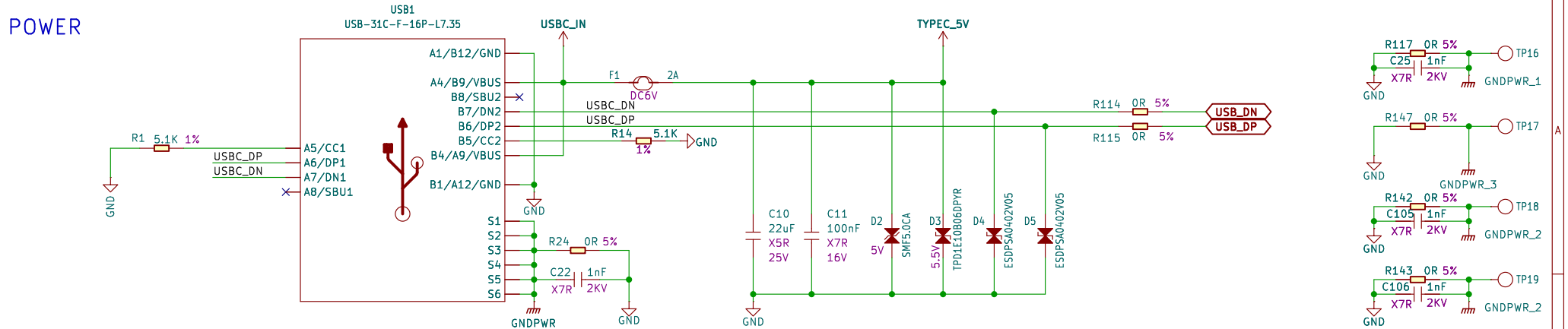
Design: Wenkang.Liu

Rev: v1.0

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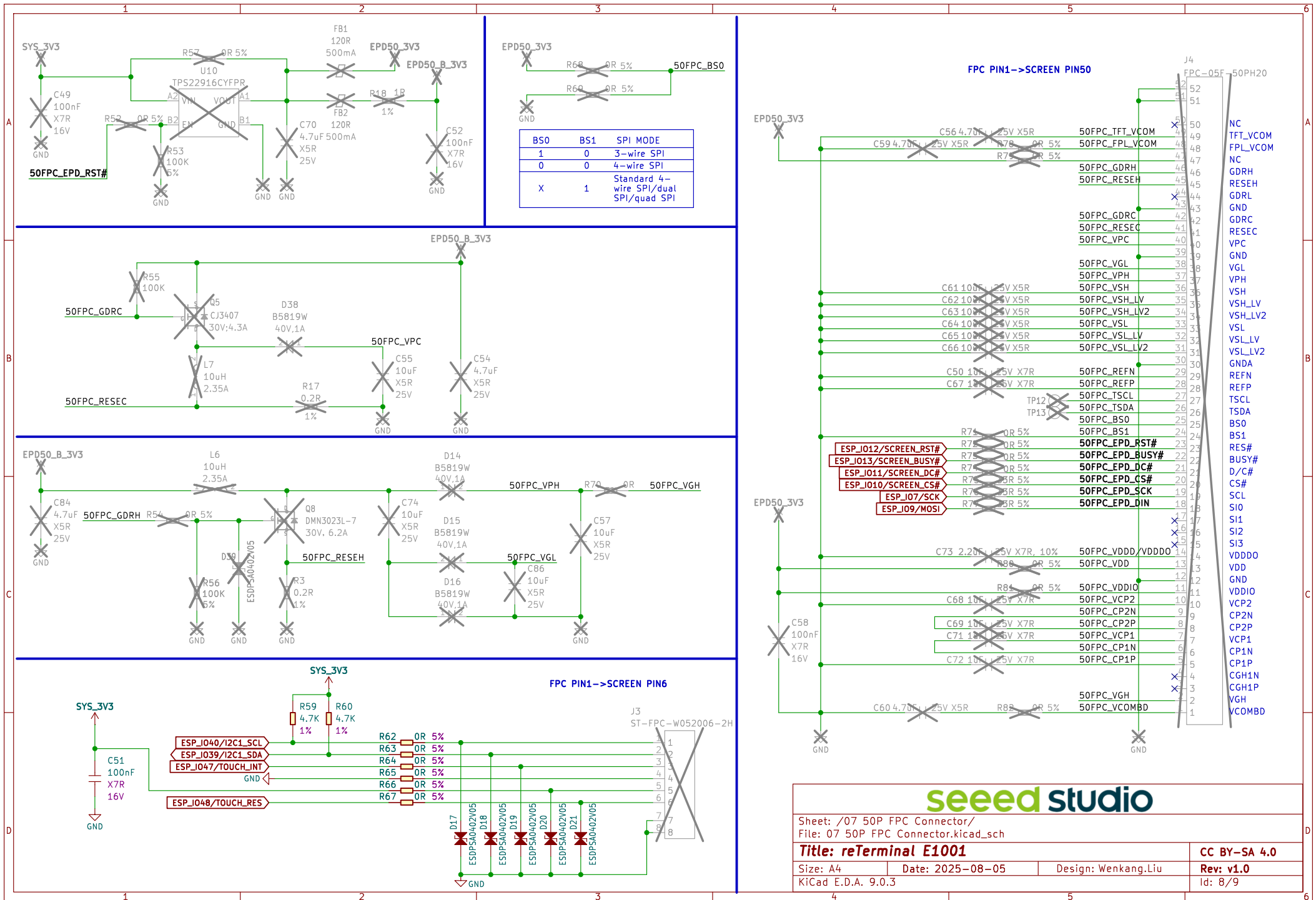
Id: 6/9

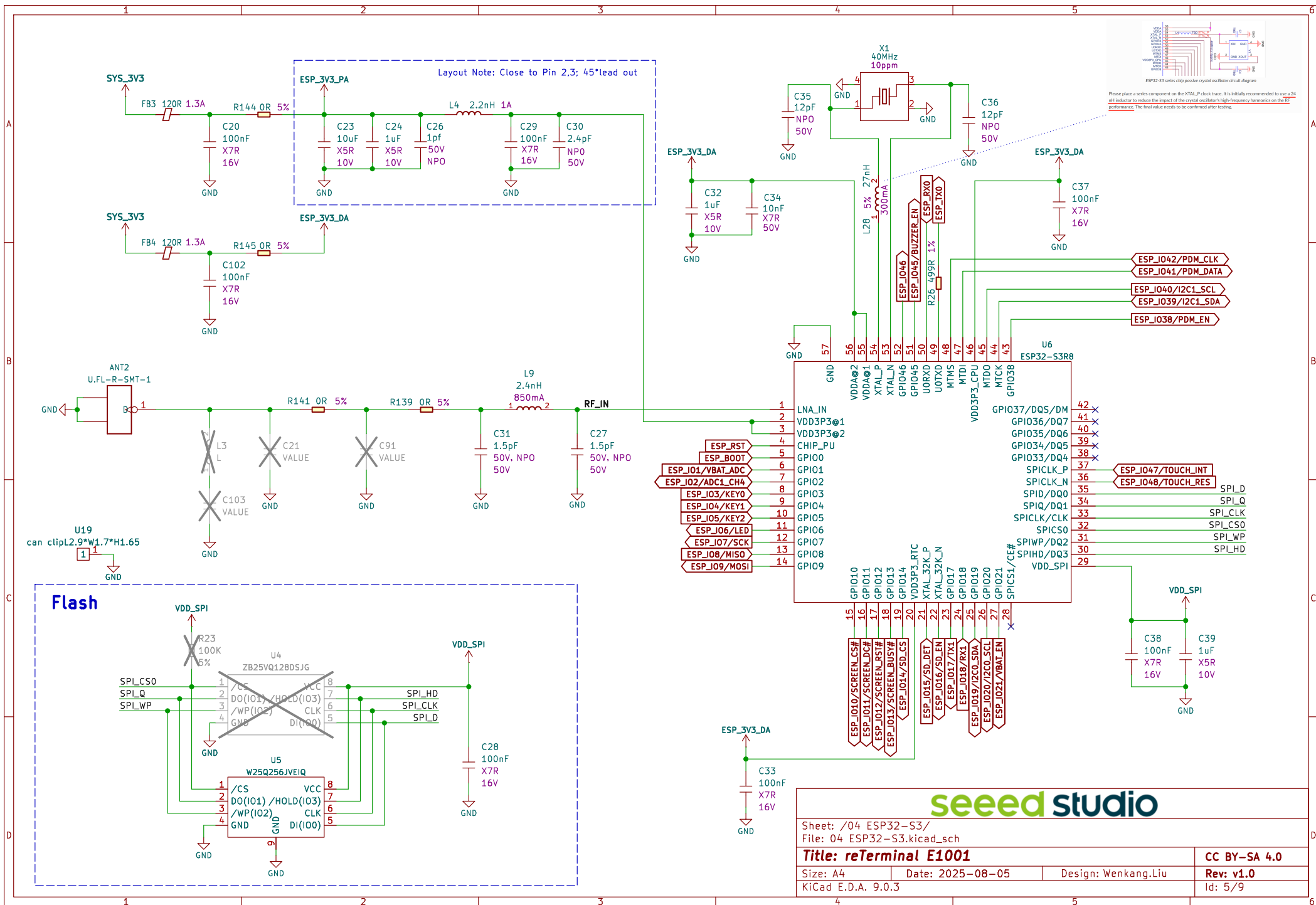
POWER



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Sheet: /03 Power/ File: 03 Power.kicad_sch				D
Title: reTerminal E1001			CC BY-SA 4.0	
Size: A4	Date: 2025-08-05	Design: Wenkang.Liu	Rev: v1.0	
KiCad E.D.A. 9.0.3			Id: 4/9	





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Sheet: /04 ESP32-S3/			
File: 04 ESP32-S3.kicad_sch			
Title: reTerminal E1001			CC BY-SA 4.0
Size: A4	Date: 2025-08-05	Design: Wenkang.Liu	Rev: v1.0
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