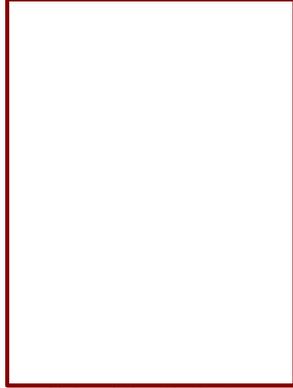
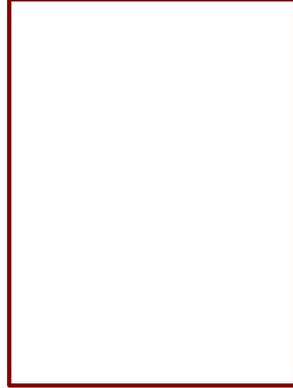


01 Descriptions



File: 01 Descriptions.kicad\_sch

02 Block Diagram



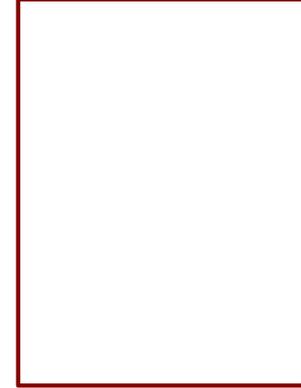
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03 Power



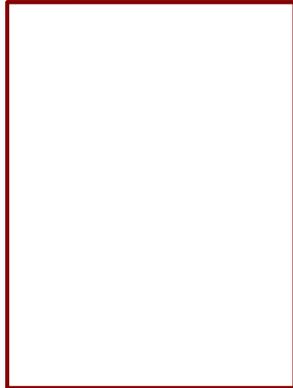
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04 ESP32-S3



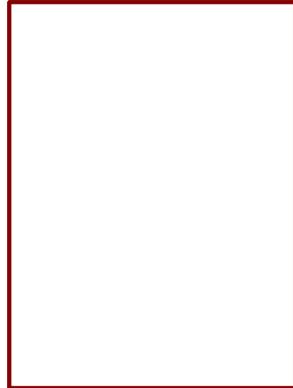
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05 Debug&Interface



File: 05 Debug&Interface.kicad\_sch

06 Peripherals



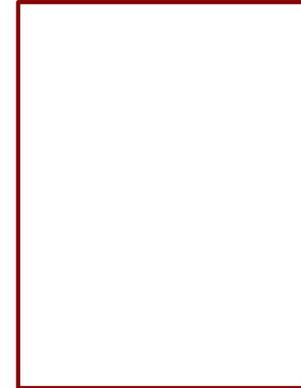
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07 50P FPC Connector



File: 07 50P FPC Connector.kicad\_sch

08 24P FPC Connector



File: 08 24P FPC Connector.kicad\_sch

seed studio

Sheet: /  
File: reTerminal E1002.kicad\_sch

**Title: reTerminal E1002**

CC BY-SA 4.0

Size: A4

Date: 2025-11-20

Design:

Rev: v1.2

KiCad E.D.A. 9.0.0

Id: 1/9

Version	Descriptions	Data	Name
v1.0	First Release	4/30/2025	WK
v1.1	P7 : CP1N/CP1P/VCP1	9/11/2025	Genta
v1.2	Page4: Change the U2 ETA6003 to SY6974B Page7: Change Q8 to DMN3404L-7	11/20/2025	Harry

**seed studio**

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**Title: reTerminal E1002**

CC BY-SA 4.0

Size: A4

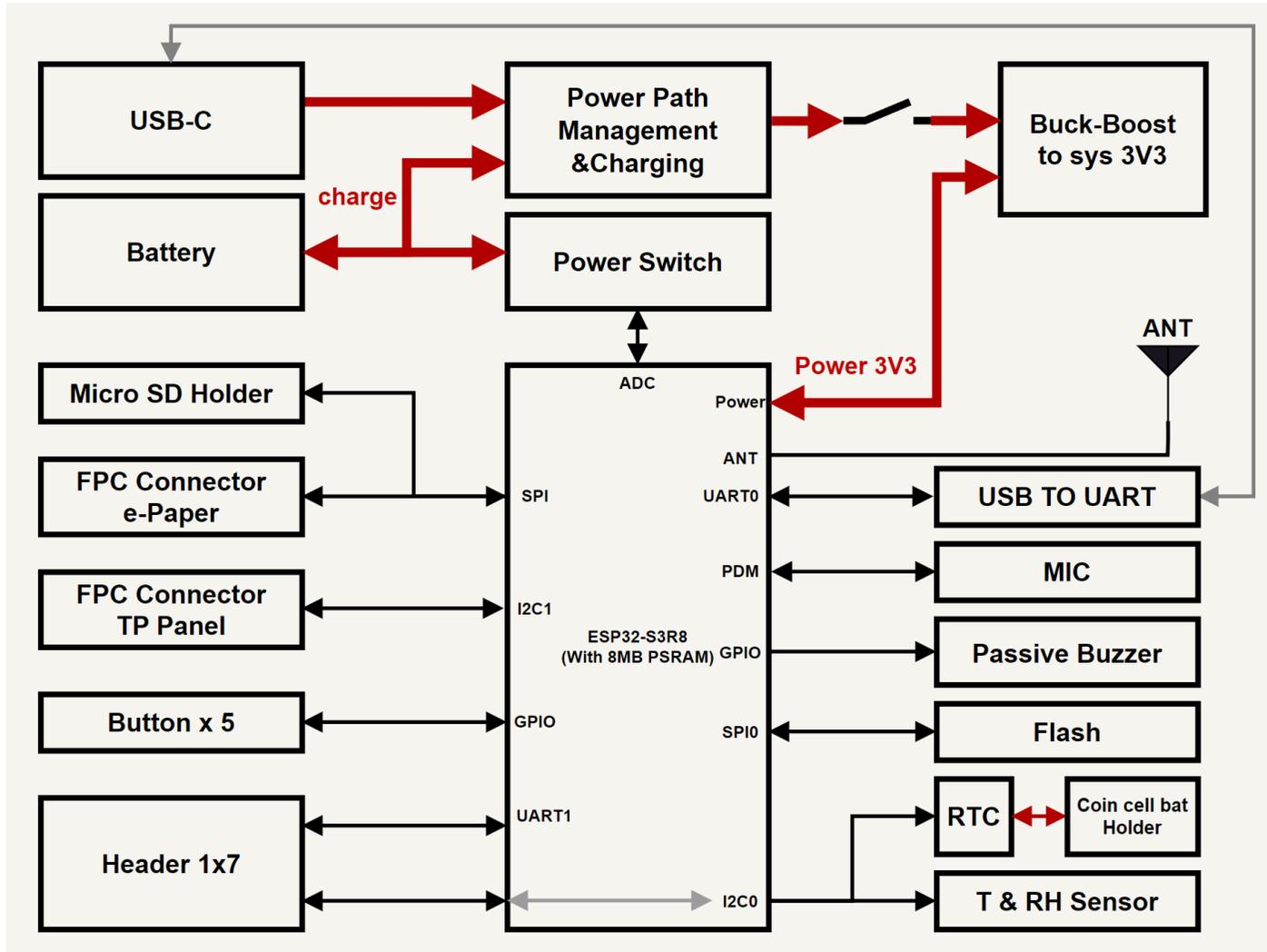
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Design:

Rev: v1.2

KiCad E.D.A. 9.0.0

Id: 2/9



seeed studio

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**Title: reTerminal E1002**

CC BY-SA 4.0

Size: A4

Date: 2025-11-20

Design:

Rev: v1.2

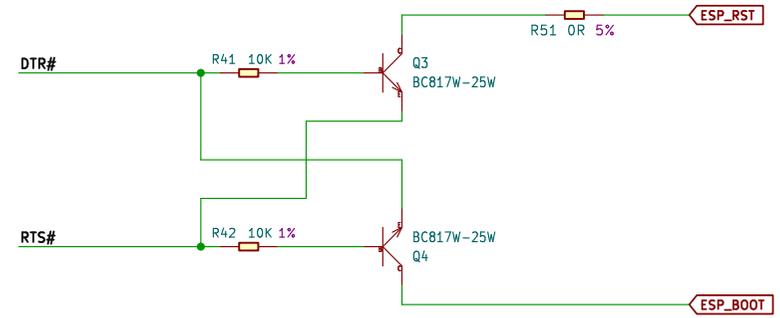
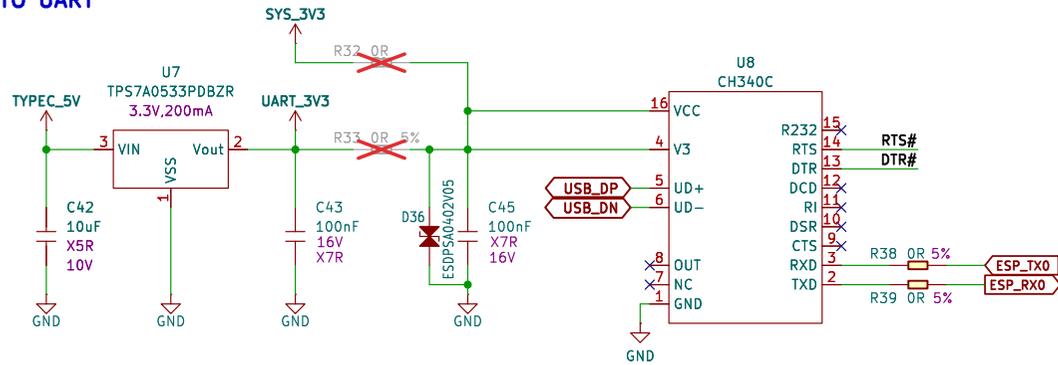
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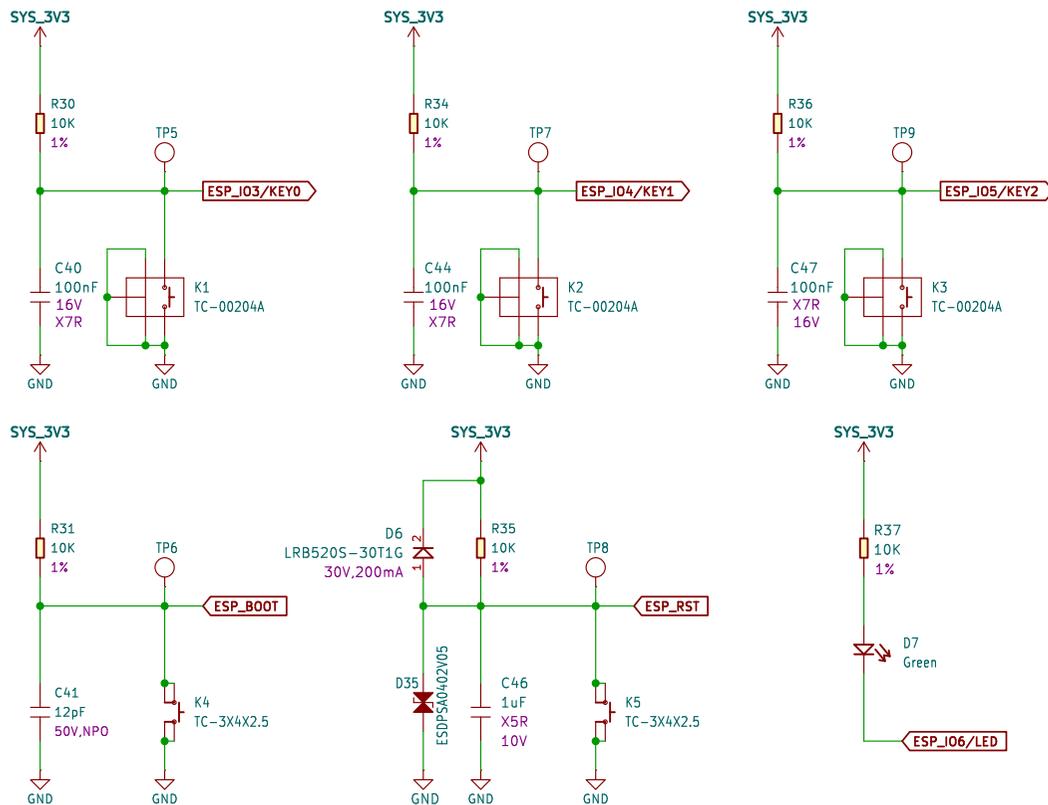




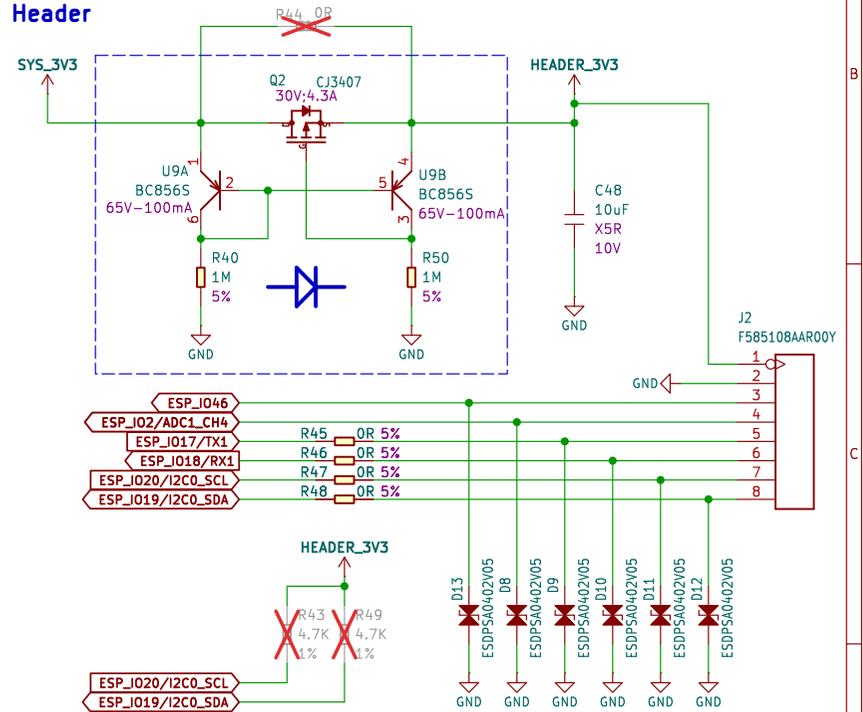
## USB TO UART



## RST & BOOT & USER KEY



## Header



seed studio

Sheet: /05 Debug&Interface/  
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Title: reTerminal E1002

CC BY-SA 4.0

Size: A4

Date: 2025-11-20

Design:

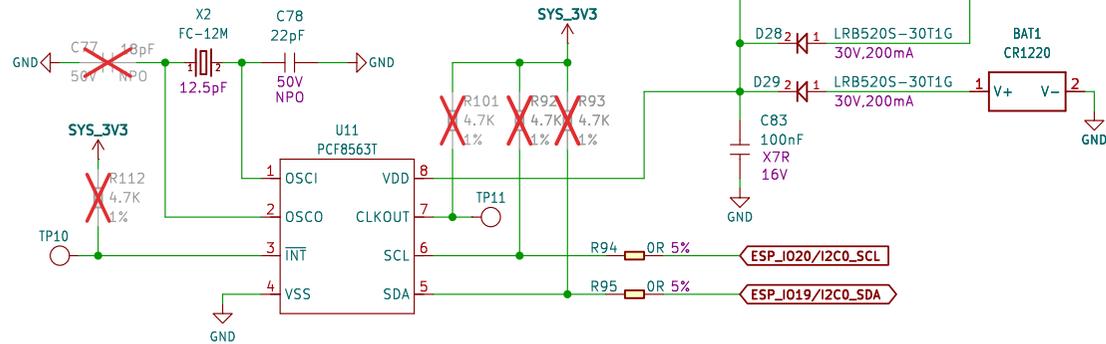
Rev: v1.2

KiCad E.D.A. 9.0.0

Id: 6/9

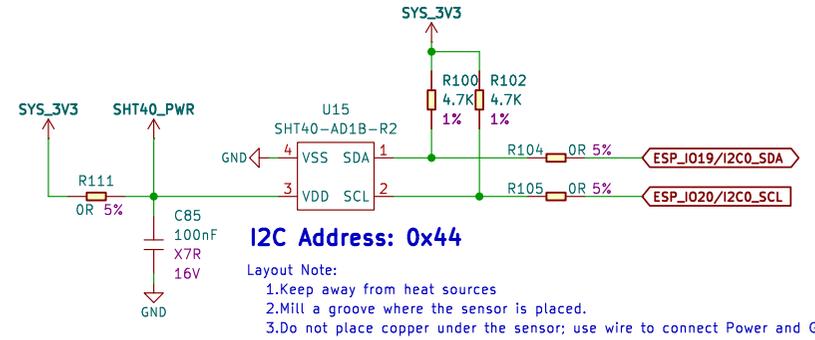
### RTC

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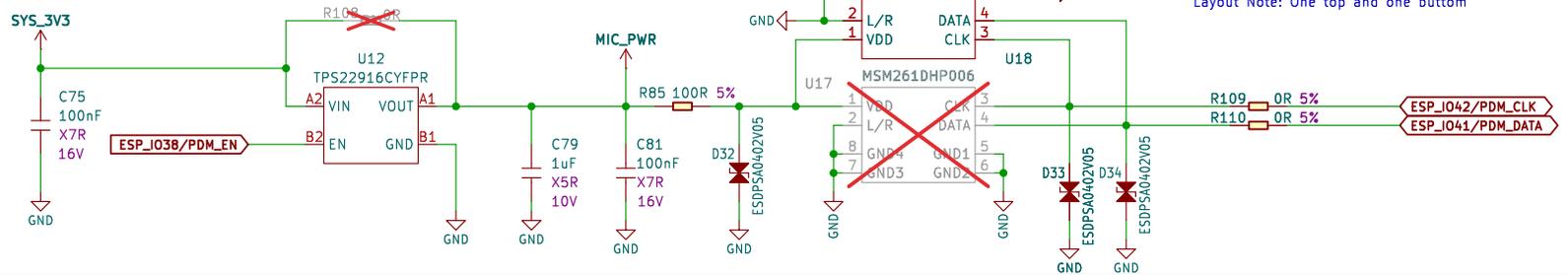


### Temperature and Humidity sensor

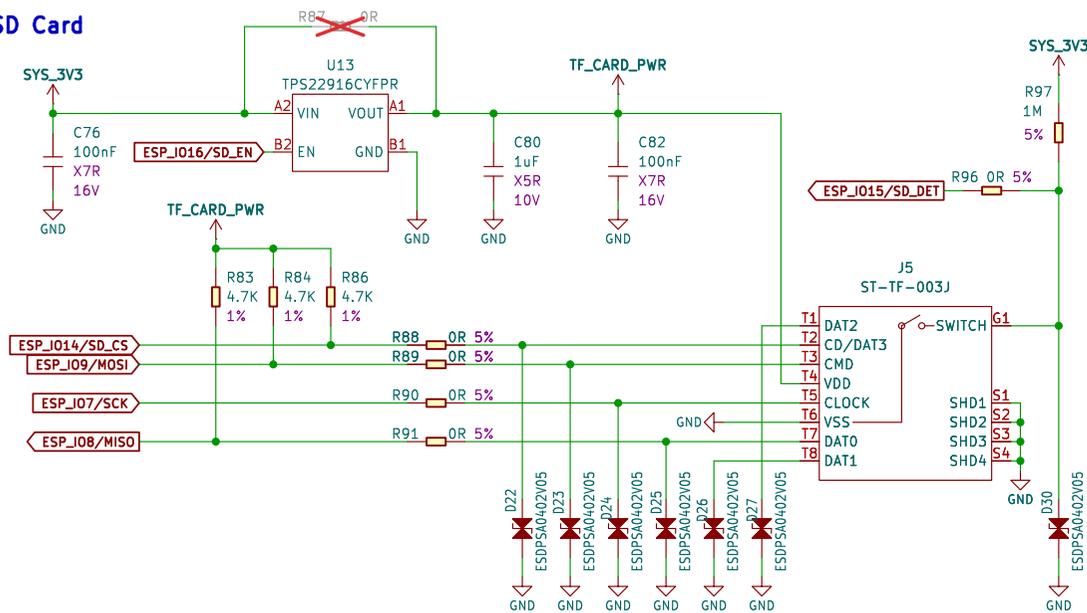
I2C Address: 0x44



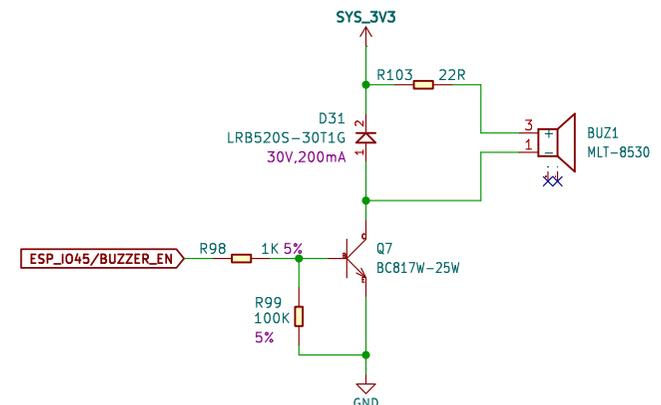
### PDM MIC



### SD Card

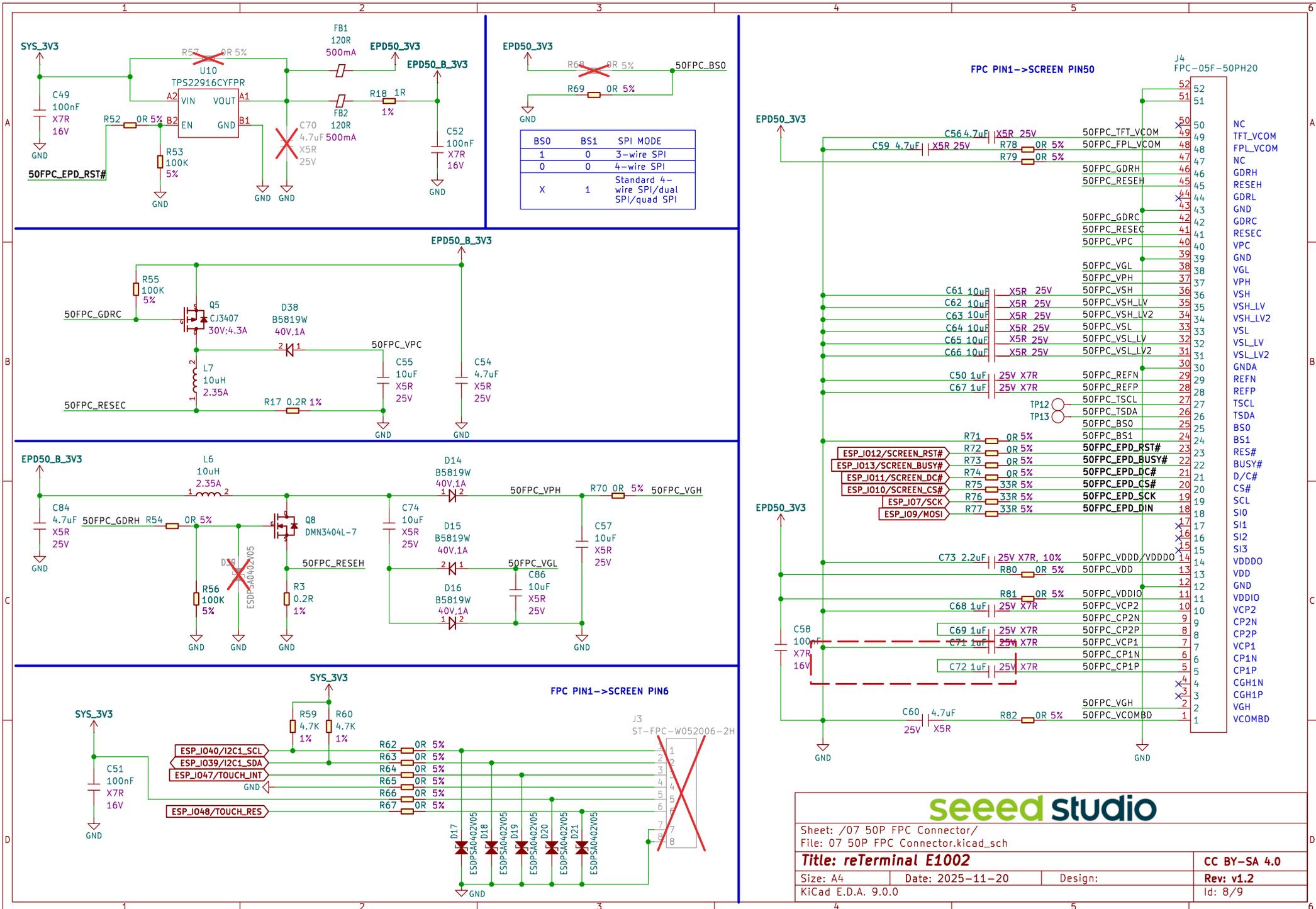


### BUZZER

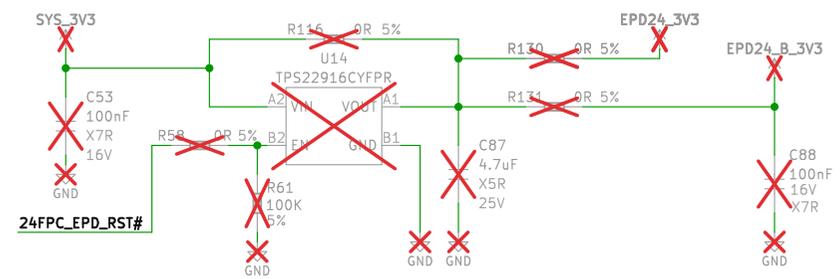


seed studio

Sheet: /06 Peripherals/ File: 06 Peripherals.kicad_sch		CC BY-SA 4.0	
<b>Title: reTerminal E1002</b>		Date: 2025-11-20	Design:
Size: A4	KiCad E.D.A. 9.0.0	Rev: v1.2	Id: 6/9



FPC PIN1-->SCREEN PIN24



BS1	SPI MODE
1	3-wire SPI
0	4-wire SPI

