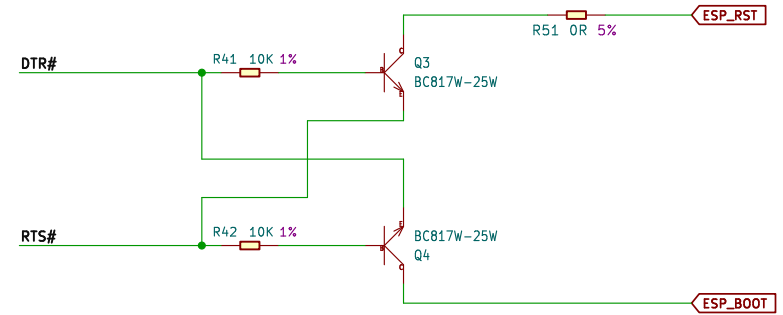
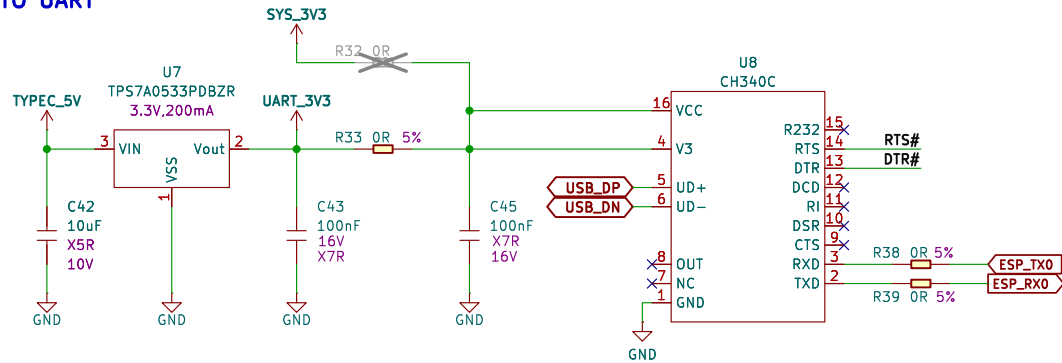


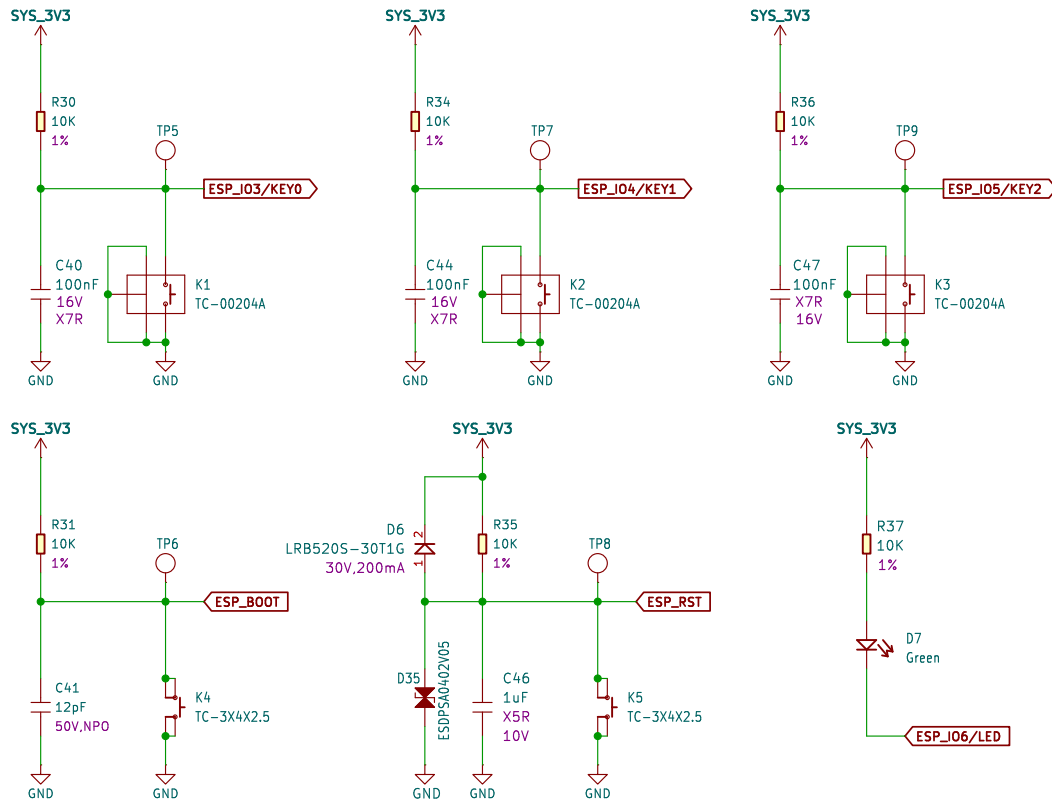
	1	2	3	4	5	6																		
A	01 Descriptions File: 01 Descriptions.kicad_sch																							
B	02 Block Diagram File: 02 Block Diagram.kicad_sch																							
	03 Power File: 03 Power.kicad_sch																							
	04 ESP32-S3 File: 04 ESP32-S3.kicad_sch																							
C	05 Debug&Interface File: 05 Debug&Interface.kicad_sch																							
	06 Peripherals File: 06 Peripherals.kicad_sch																							
	07 50P FPC Connector File: 07 50P FPC Connector.kicad_sch																							
	08 24P FPC Connector File: 08 24P FPC Connector.kicad_sch																							
D	seed studio Sheet: / File: reTerminal E1002.kicad_sch <table><tr><td colspan="3">Title: reTerminal E1002</td><td colspan="3">CC BY-SA 4.0</td></tr><tr><td>Size: A4</td><td colspan="2">Date: 2025-08-05</td><td colspan="2">Design: Wenkang.Liu</td><td>Rev: v1.0</td></tr><tr><td colspan="3">KiCad E.D.A. 9.0.3</td><td colspan="3">Id: 1/9</td></tr></table>					Title: reTerminal E1002			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			
Title: reTerminal E1002			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																					
	1	2	3	4	5	6																		

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

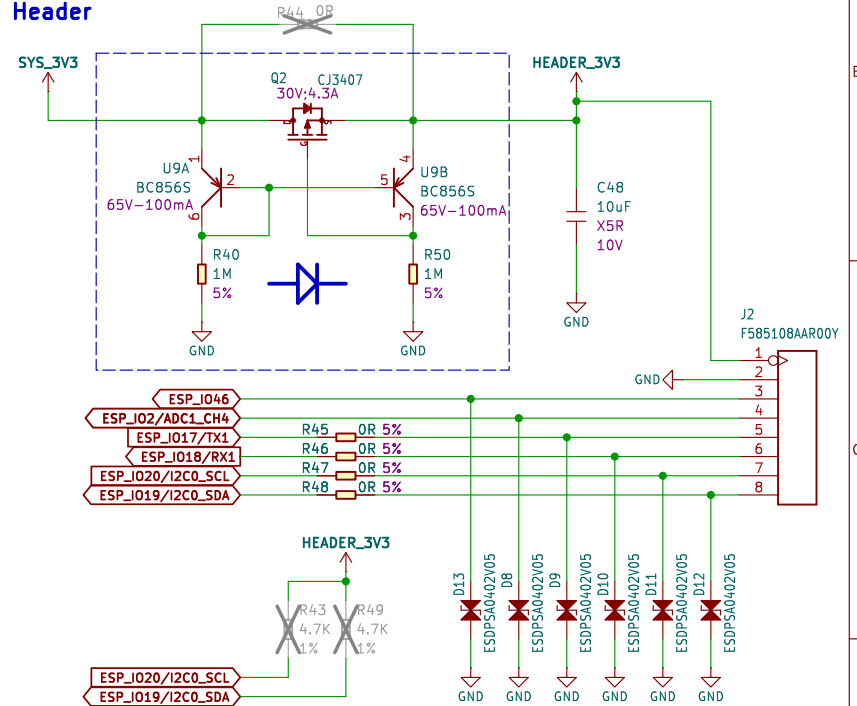
USB TO UART



RST & BOOT & USER KEY



Header



seeed studio

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

Title: reTerminal E1002

CC BY-SA 4.0

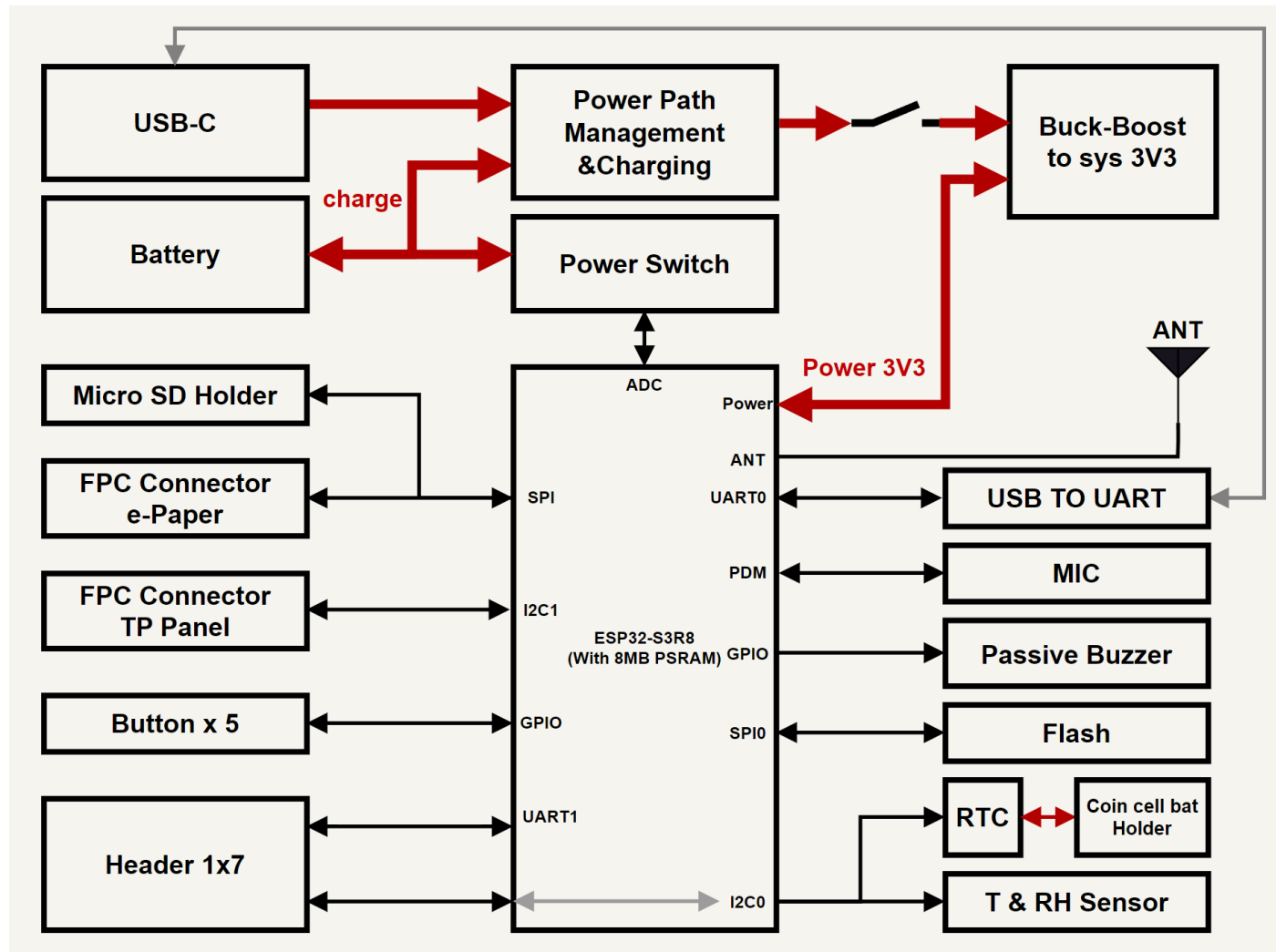
Size: A4 Date: 2025-08-05

Design: Wenkang.Liu

Rev: v1.0

KiCad E.D.A. 9.0.3

Id: 6/9



seeed studio

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

Title: reTerminal E1002

CC BY-SA 4.0

Size: A4

Date: 2025-08-05

Design: Wenkang.Liu

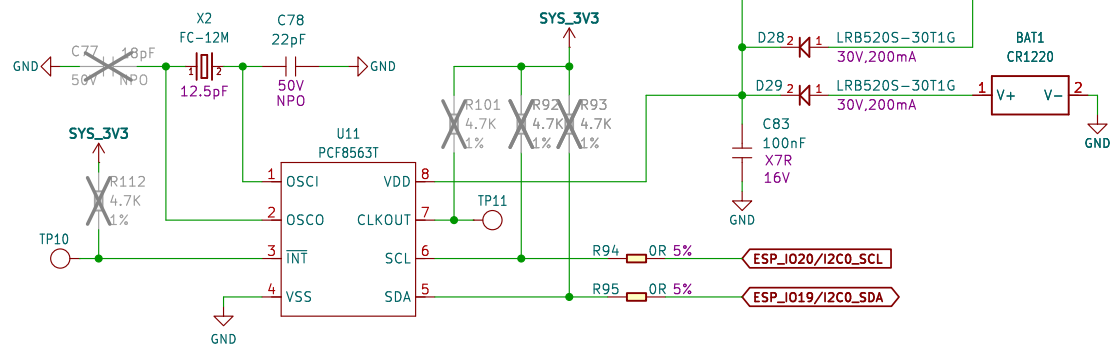
Rev: v1.0

KiCad E.D.A. 9.0.3

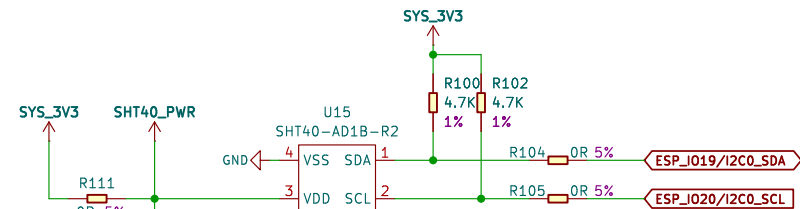
Id: 3/9

RTC

I2C Address: 0x51



Temperature and Humidity sensor

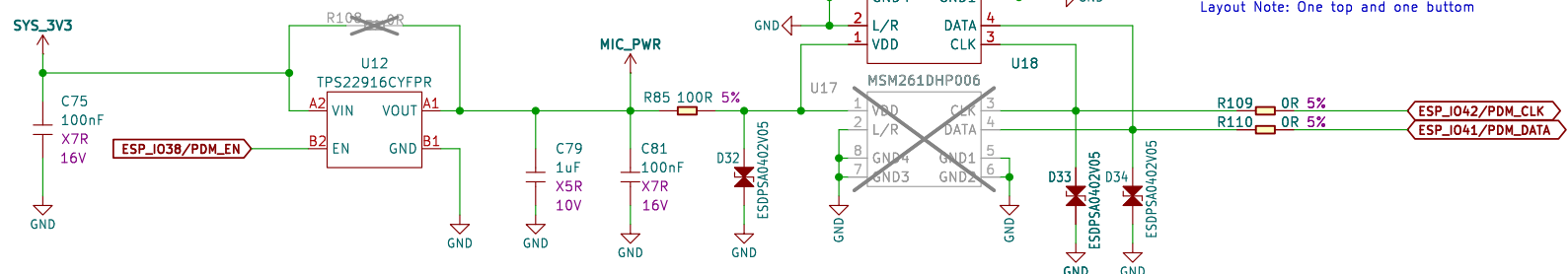


I2C Address: 0x44

Layout Note:

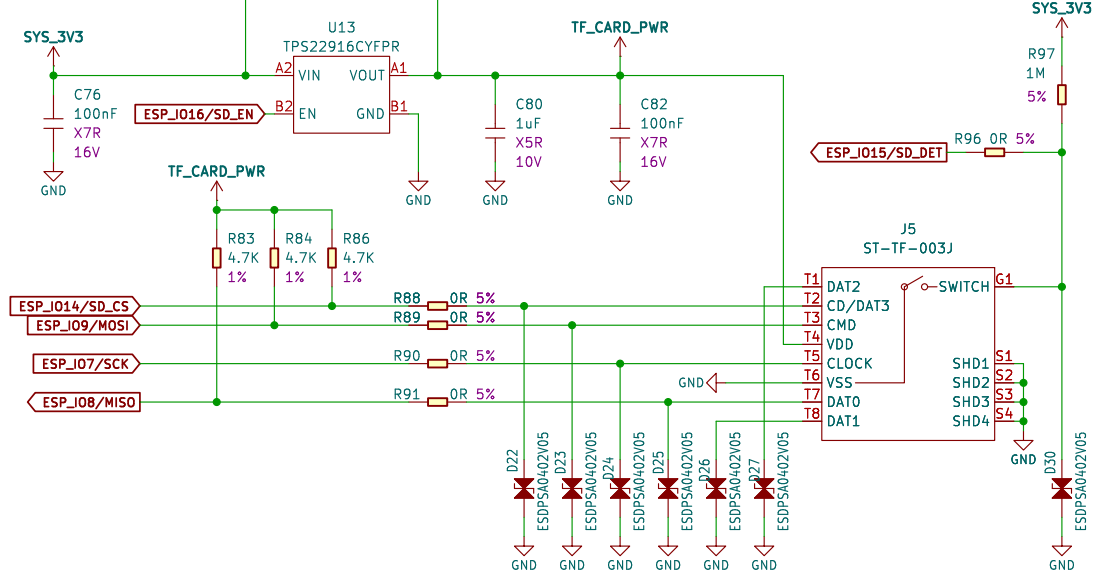
1. Keep away from heat sources
2. Mill a groove where the sensor is placed.
3. Do not place copper under the sensor; use wire to connect Power and GND.

PDM MIC

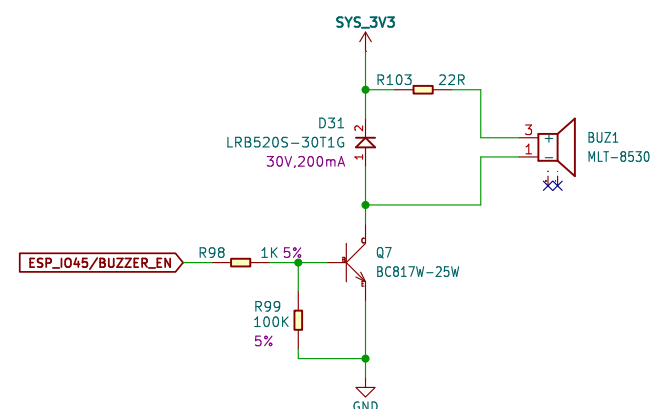


Layout Note: One top and one bottom

SD Card



BUZZER



seeed studio

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

Title: reTerminal E1002

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: 6/9

