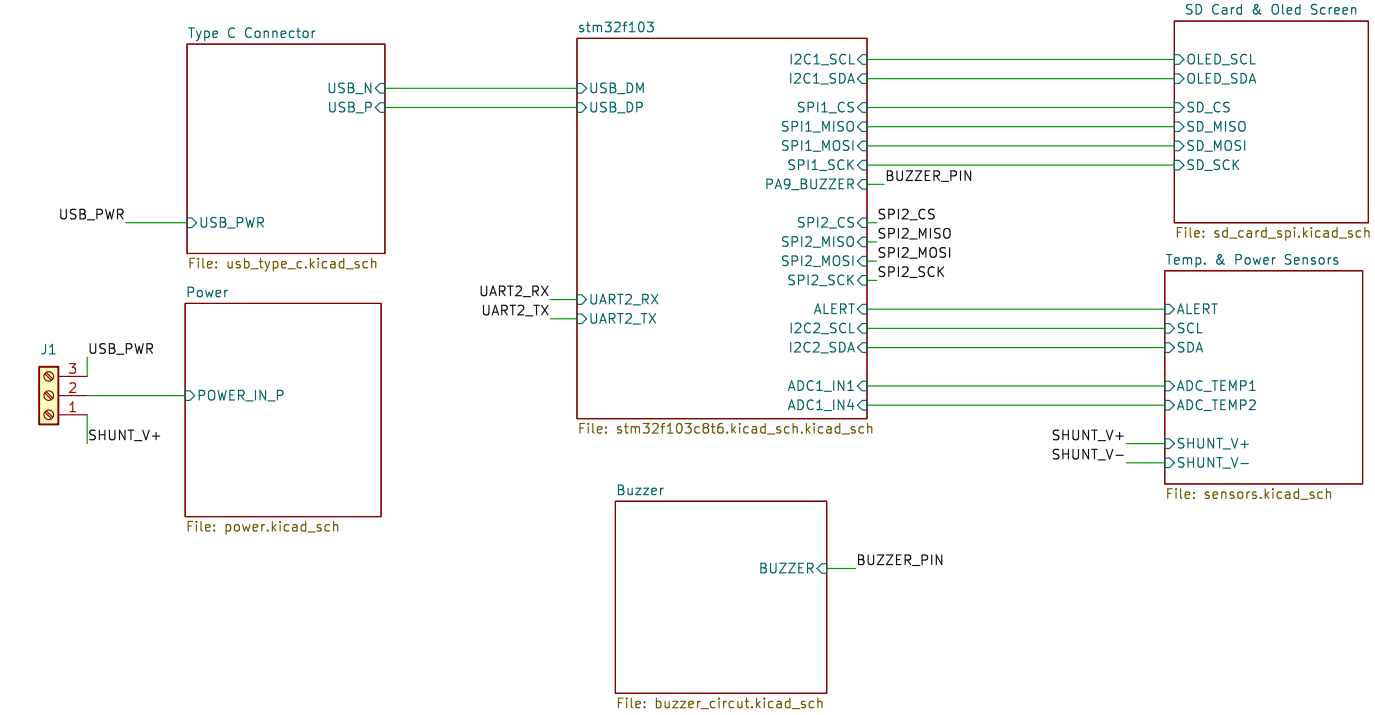

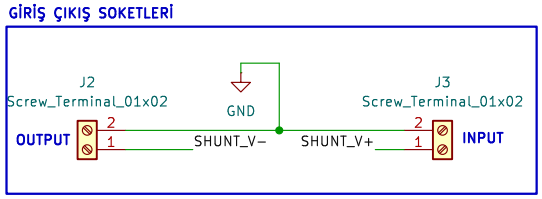

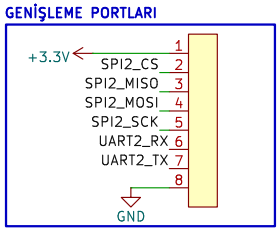

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oesen@mergened.com
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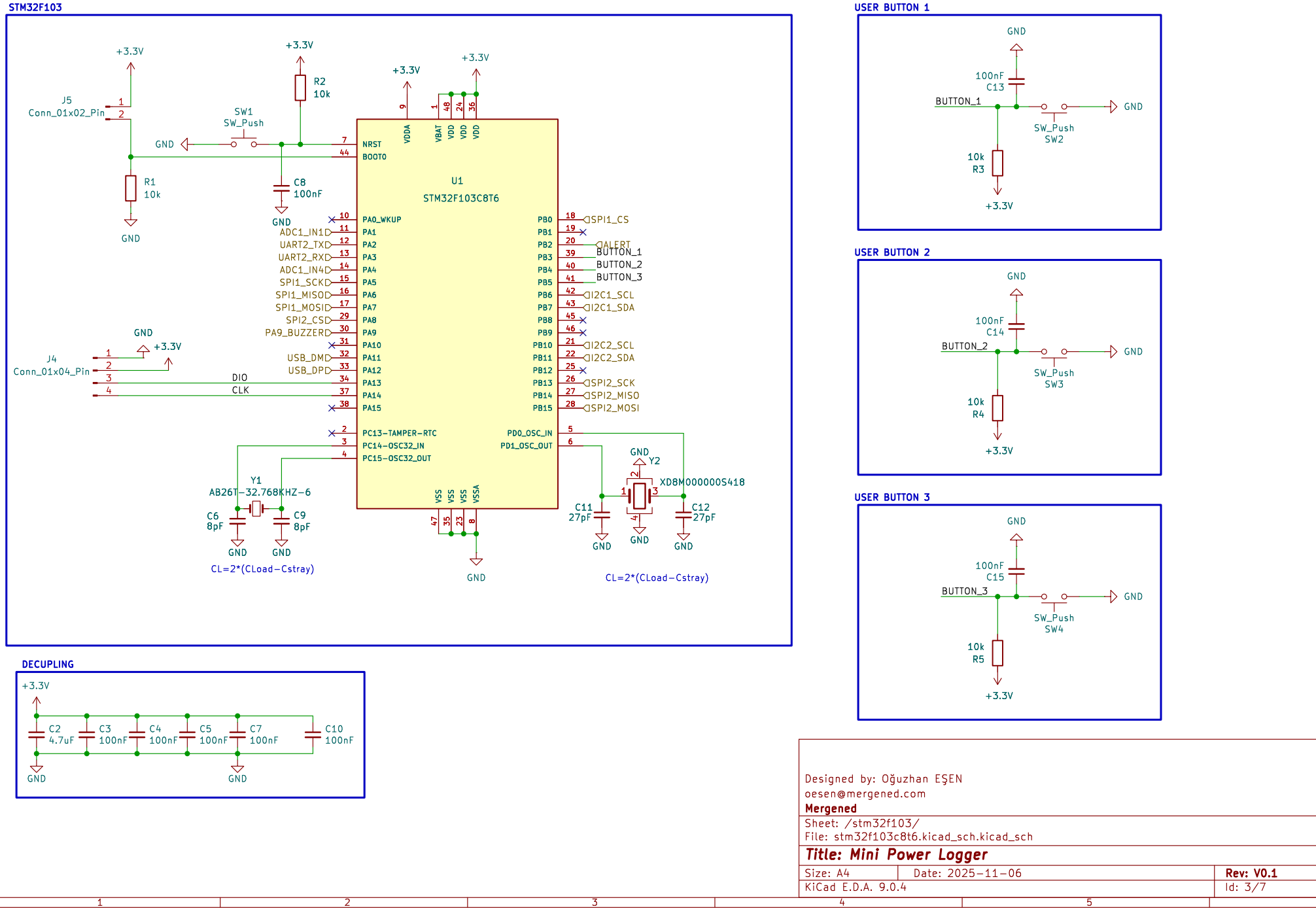
File: mini_power_logger.kicad_sch

Title: Mini Power Logger

Size: A4	Date: 2025-11-06	**Rev: V0.1**
KiCad E.D.A. 9.0.4		Id: 1/7



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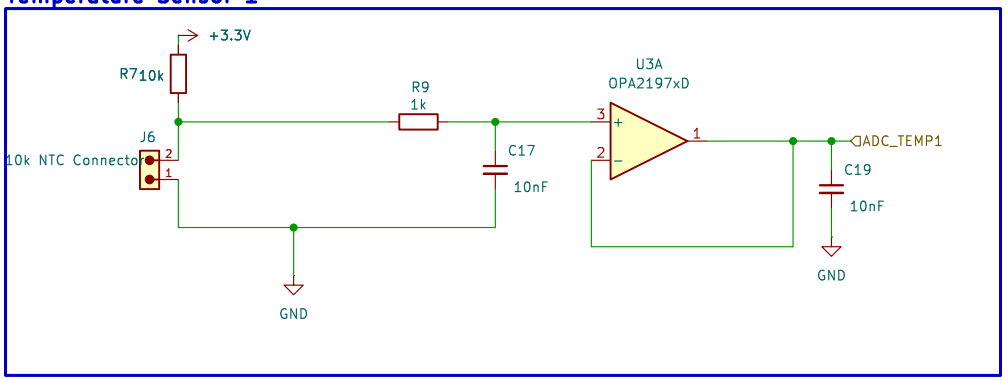
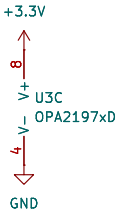
Title: Mini Power Logger

Size: A4	Date: 2025-11-06	**Rev: V0.1**
KiCad E.D.A. 9.0.4		Id: 3/7

Temperature Sensor 1





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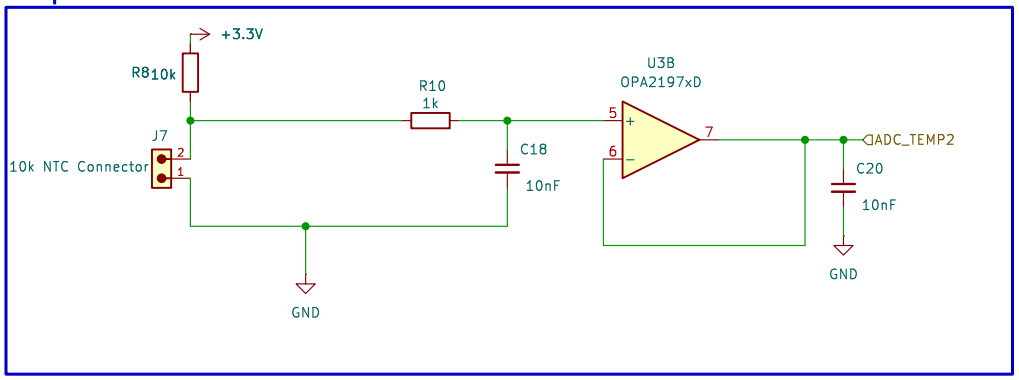

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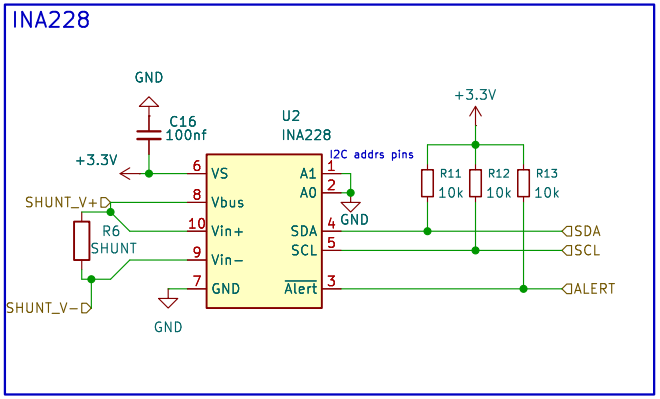

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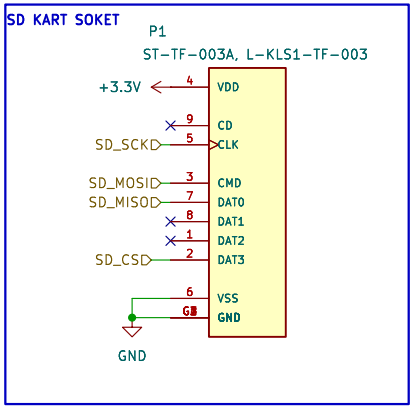
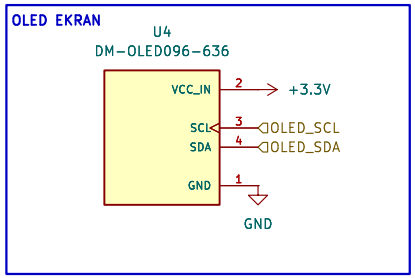
Sheet: /Temp. & Power Sensors/
File: sensors.kicad_sch

Title: Mini Power Logger

Size: A4	Date: 2025-11-06	**Rev: V0.1**
KiCad E.D.A. 9.0.4		Id: 4/7





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Sheet: /SD Card & Oled Screen/
File: sd_card_spi.kicad_sch

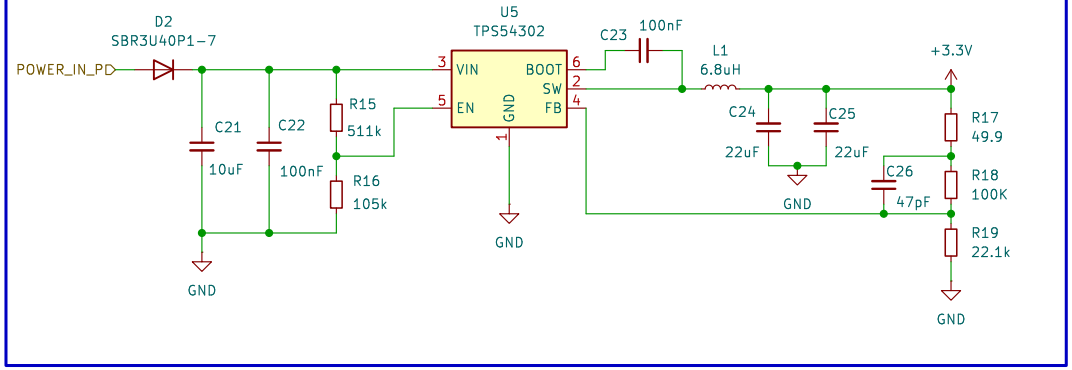
Title: Mini Power Logger

Size: A4	Date: 2025-11-06	**Rev: V0.1**
KiCad E.D.A. 9.0.4		Id: 4/7

Vin to 3.3v

Table 8-2. Recommended Component Values

V_{OUT} (V)	L (µH)	C_{OUT} (µF)	R2 (kΩ)	R3 (kΩ)	C8 (pF)
1.8	4.7	66	100	49.9	33
2.5	5.6	66	100	31.6	47
3.3	6.8	44	100	22.1	47
5	10	44	100	13.3	75
12	15	44	100	5.23	100



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oesen@mergened.com
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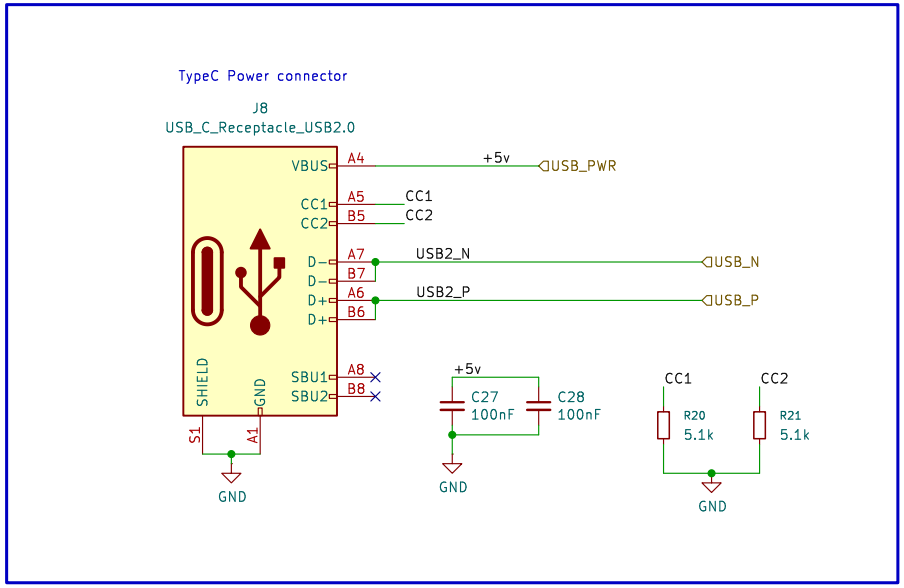
Sheet: /Power/
File: power.kicad_sch

Title: Mini Power Logger

Size: A4	Date: 2025-11-06	**Rev: V0.1**
KiCad E.D.A. 9.0.4		Id: 5/7

Type-C



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Size: A4	Date: 2025-11-06	**Rev: V0.1**
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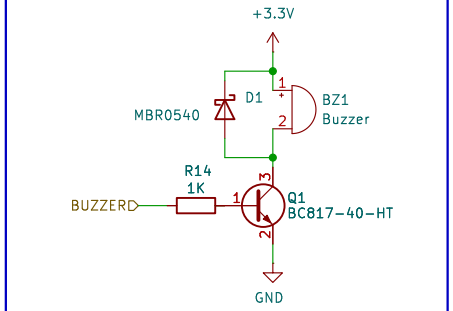
BUZZER



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Sheet: /Buzzer/
File: buzzer_circut.kicad_sch

Title: Mini Power Logger

Size: A4	Date: 2025-11-06	**Rev: V0.1**
KiCad E.D.A. 9.0.4		Id: 7/7