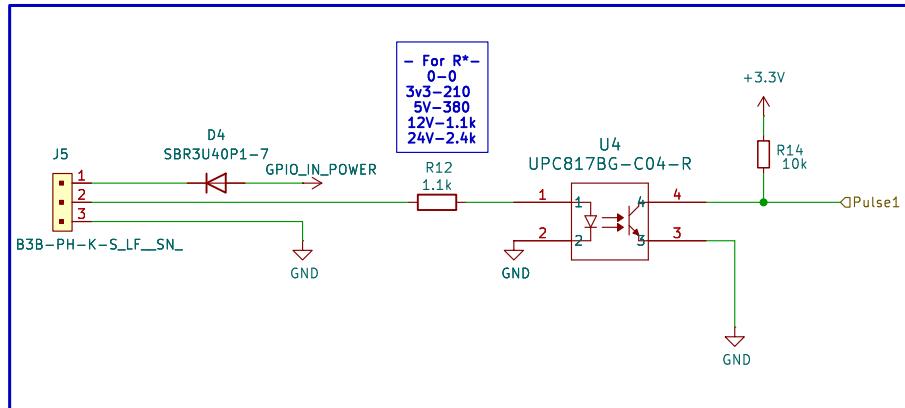
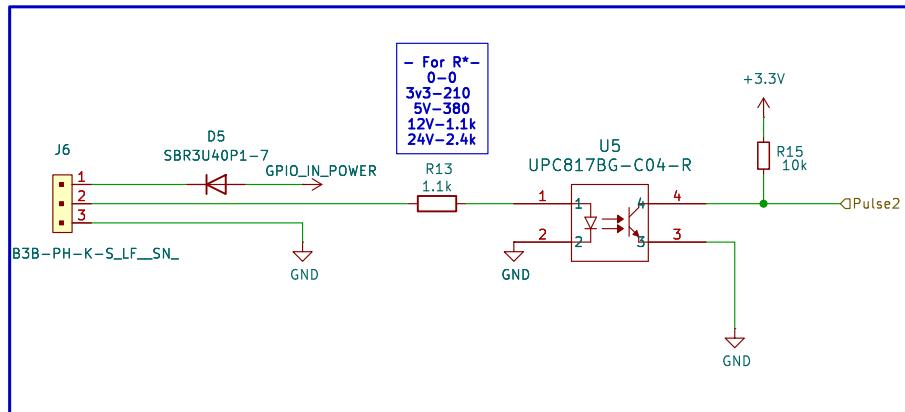
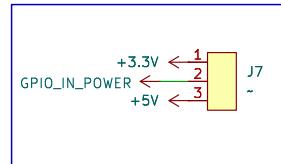


DIGITAL INPUT 1**DIGITAL INPUT 2****GPIO INPUT SELECT**

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Mergened

Sheet: /DIGITAL INPUTS/
File: pulseRead.kicad_sch

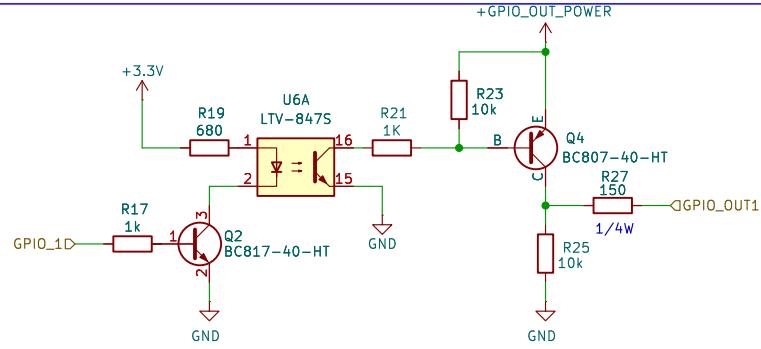
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Size: A4 Date: 2025-09-01

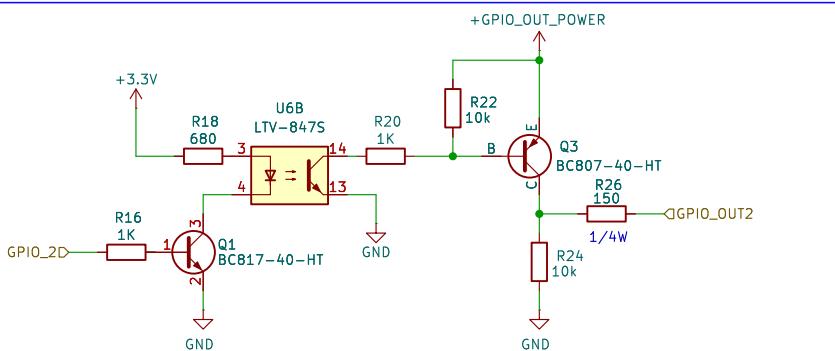
KiCad E.D.A. 9.0.4

Rev: V1.0
Id: 3/6

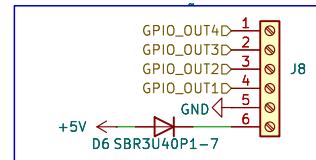
GPIO OUTPUT 1



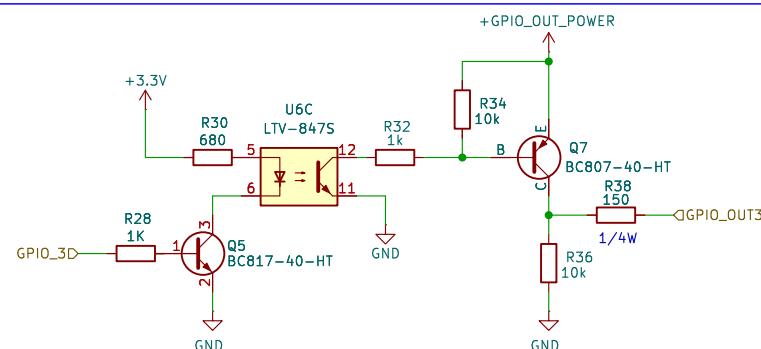
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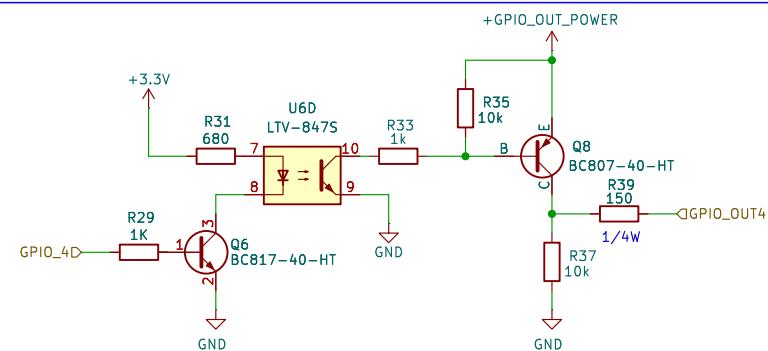
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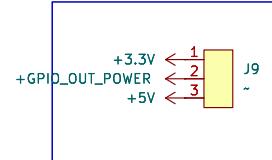
GPIO OUTPUT 3



GPIO OUTPUT 4



GPIO OUTPUT SELECT



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Merged

Sheet: /DIGITAL_OUTPUTS/
File: Digital_Outputs_Circuit.kicad_sch

Title: Analog Reading

Size: A4 Date: 2025-05-20
KiCad E.D.A. 9.0.4

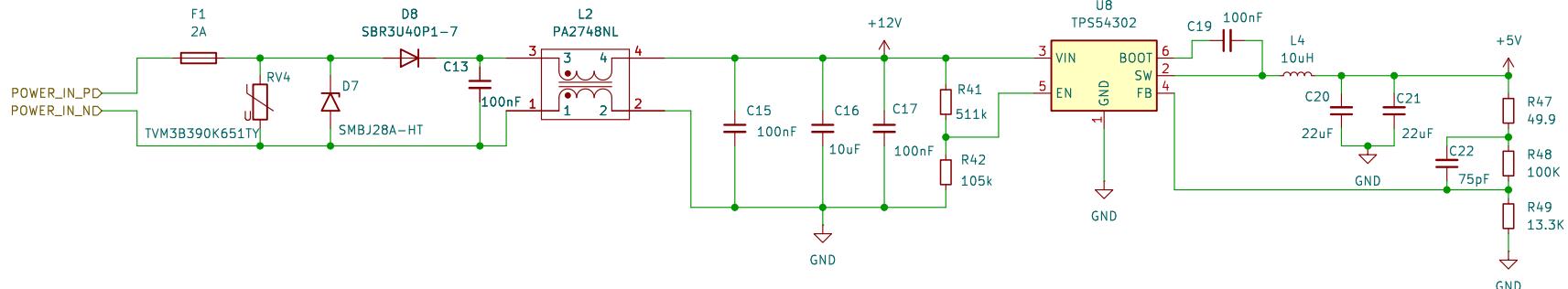
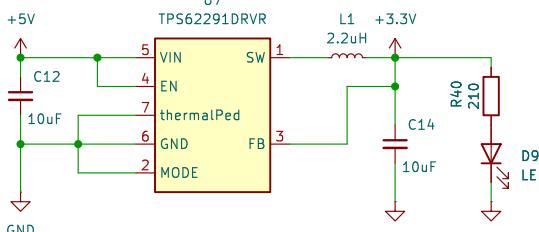
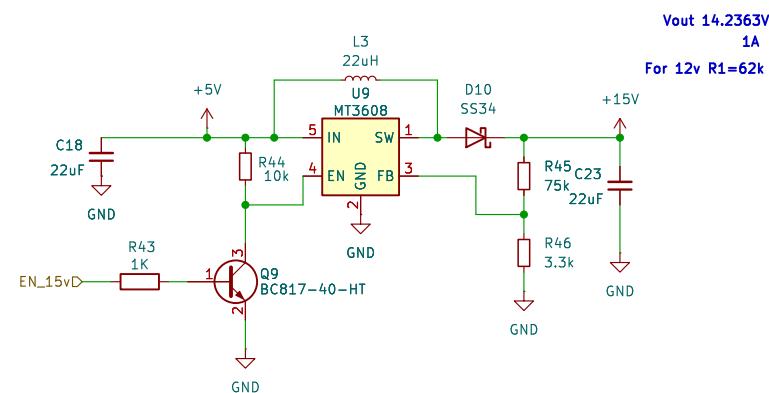
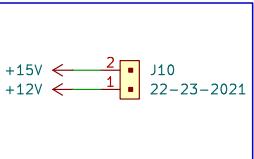
Rev:
Id: 4/6

1 2 3 4 5 6

Vin to 5v

V_{out} (V)	L (μ H)	C_{out} (μ F)	R_2 (k Ω)	R_3 (k Ω)	C_8 (pF)
1.8	4.7	66	100	49.9	33
2.5	6.8	66	100	51.6	47
3.3	6.8	44	100	22.1	47
5	10	44	100	13.3	75
12	15	44	100	5.23	100

=>

**5v to 3v3****5v to 15v****SENSOR OUTPUT SELECT**

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Merged

Sheet: /POWER/
File: power.kicad_sch

Title: Power 7-28V to 5V and 3.3V

Size: A4 Date: 2025-05-20

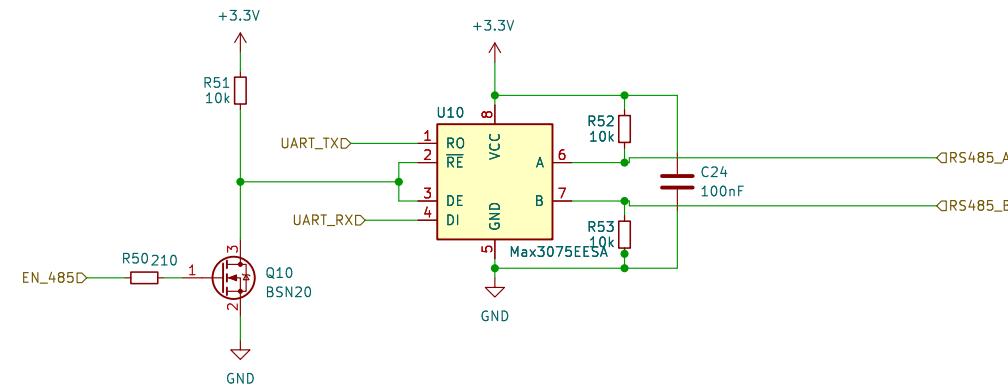
KiCad E.D.A. 9.0.4

Rev:
Id: 5/6

1 2 3 4 5 6

A

A

RS485

B

B

C

C

D

D

Sheet: /RS485/
File: RS485.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.4

Rev:
Id: 6/6