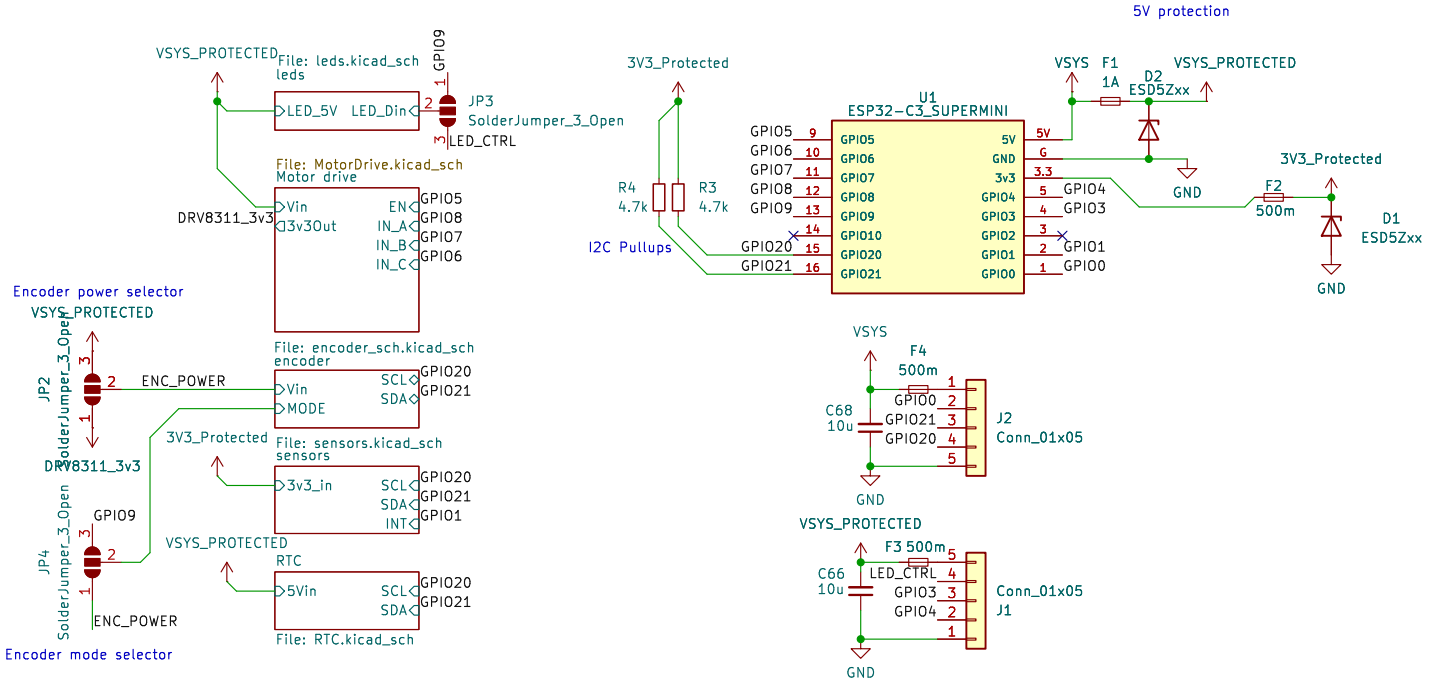

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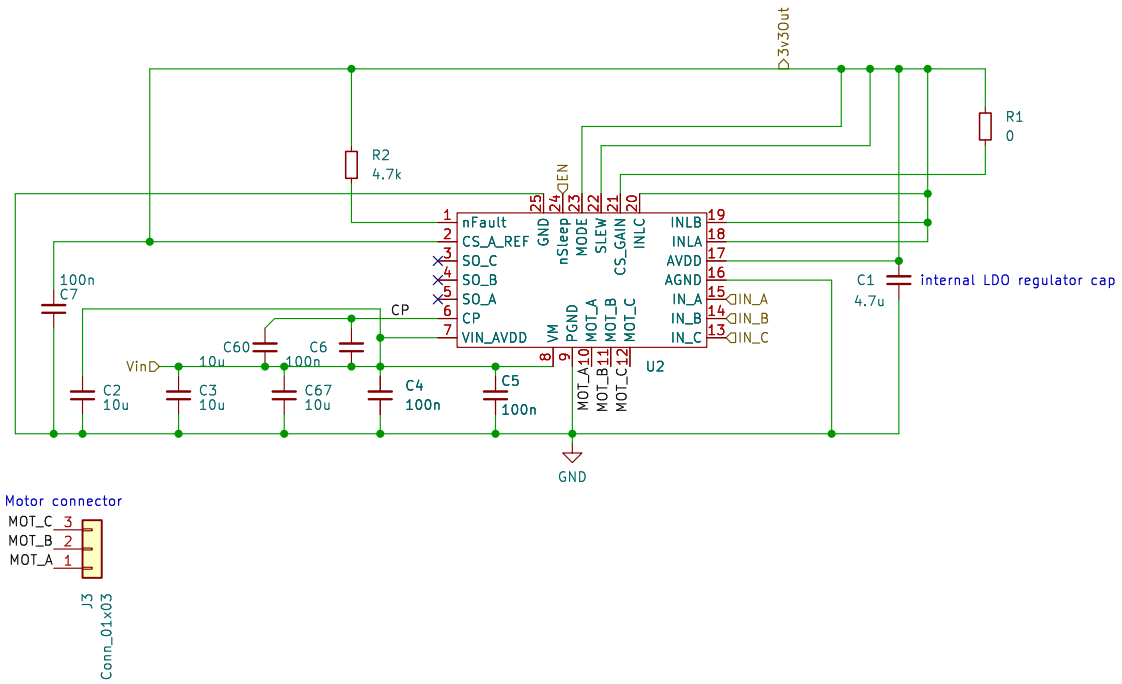
Sheet: /

File: QNOB_V5.kicad_sch

Title: QNOB

Size: A4	Date: 2025-04-17	**Rev: 0.5**
KiCad E.D.A. 9.0.0		Id: 1/6



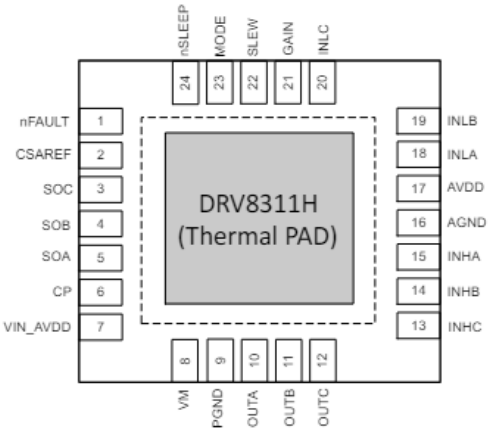


Table 8-5. Hardware Pins Decode

Configuration	GAIN	SLEW	MODE
Pin tied to AGND	0.25 V/A	35 V/us	6x PWM Mode and 9A OCP Level
Pin to 47 kΩ tied to AGND	0.5 V/A	75 V/us	6x PWM Mode and 5A OCP Level
Pin to Hi-Z	1 V/A	180 V/us	3x PWM Mode and 9A OCP Level
Pin tied to AVDD	2 V/A	230 V/us	3x PWM Mode and 5A OCP Level

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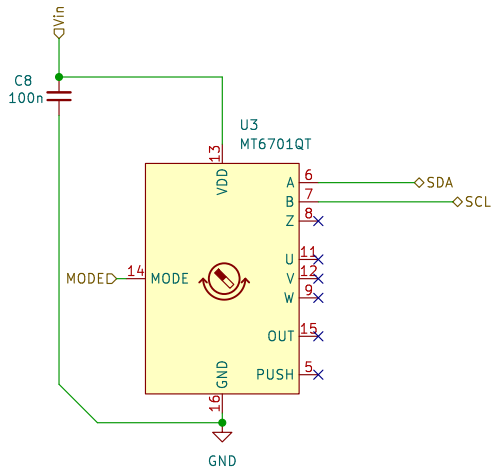
Sheet: /Motor drive/
File: MotorDrive.kicad_sch
Title: QNOB
Size: A4 | Date: 2025-04-17 | **Rev: 0.5**
KiCad E.D.A. 9.0.0 | Id: 2/6



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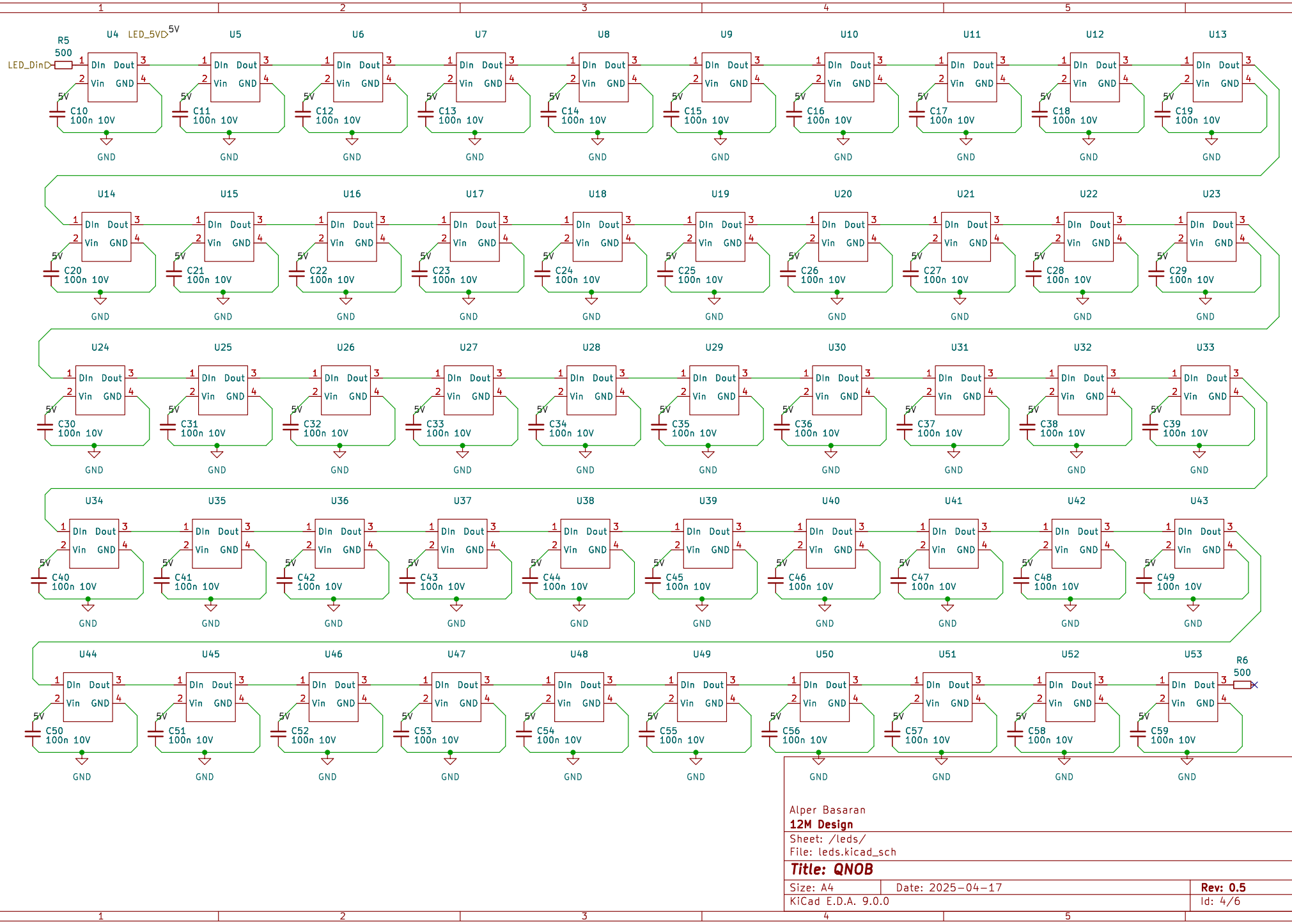
Sheet: /encoder/

File: encoder_sch.kicad_sch

Title: QNOB

Size: A4	Date: 2025-04-17	**Rev: 0.5**
KiCad E.D.A. 9.0.0		Id: 3/6


R5
500
LED_Din
U4
LED_5VD
5V
U5
U6
U7
U8
U9
U10
U11
U12
U13
U14
U15
U16
U17
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U40
U41
U42
U43
U44
U45
U46
U47
U48
U49
U50
U51
U52
U53
R6
500
Din Dout
Vin GND
C10 100n 10V
C11 100n 10V
C12 100n 10V
C13 100n 10V
C14 100n 10V
C15 100n 10V
C16 100n 10V
C17 100n 10V
C18 100n 10V
C19 100n 10V
C20 100n 10V
C21 100n 10V
C22 100n 10V
C23 100n 10V
C24 100n 10V
C25 100n 10V
C26 100n 10V
C27 100n 10V
C28 100n 10V
C29 100n 10V
C30 100n 10V
C31 100n 10V
C32 100n 10V
C33 100n 10V
C34 100n 10V
C35 100n 10V
C36 100n 10V
C37 100n 10V
C38 100n 10V
C39 100n 10V
C40 100n 10V
C41 100n 10V
C42 100n 10V
C43 100n 10V
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C52 100n 10V
C53 100n 10V
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C57 100n 10V
C58 100n 10V
C59 100n 10V
GND
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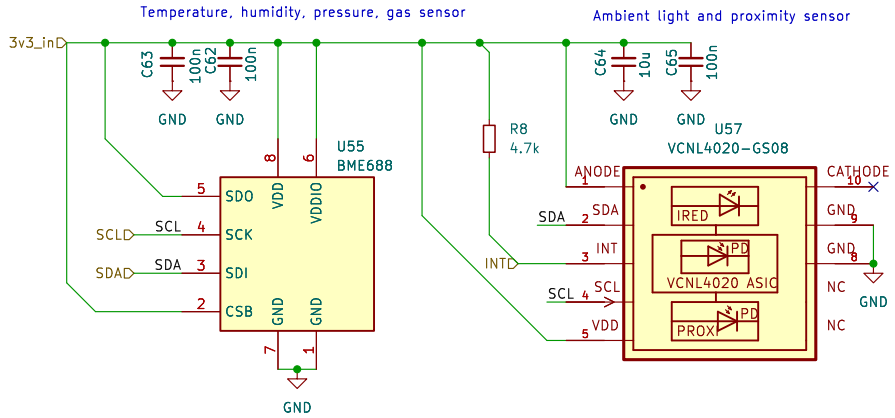
Sheet: /leds/
File: leds.kicad_sch
Title: QNOB
Size: A4
Date: 2025-04-17
Rev: 0.5
KiCad E.D.A. 9.0.0
Id: 4/6



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Sheet: /sensors/
File: sensors.kicad_sch

Title: QNOB

Size: A4	Date: 2025-04-17	**Rev: 0.5**
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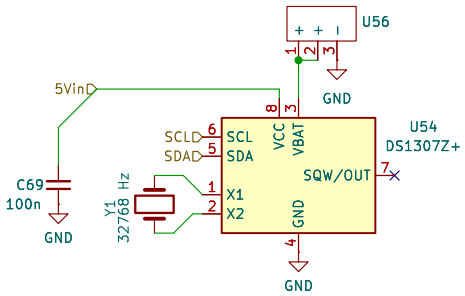
Real time clock and backup battery



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Sheet: /RTC/
File: RTC.kicad_sch

Title: QNOB

Size: A4	Date: 2025-04-17	**Rev: 0.5**
KiCad E.D.A. 9.0.0		Id: 6/6