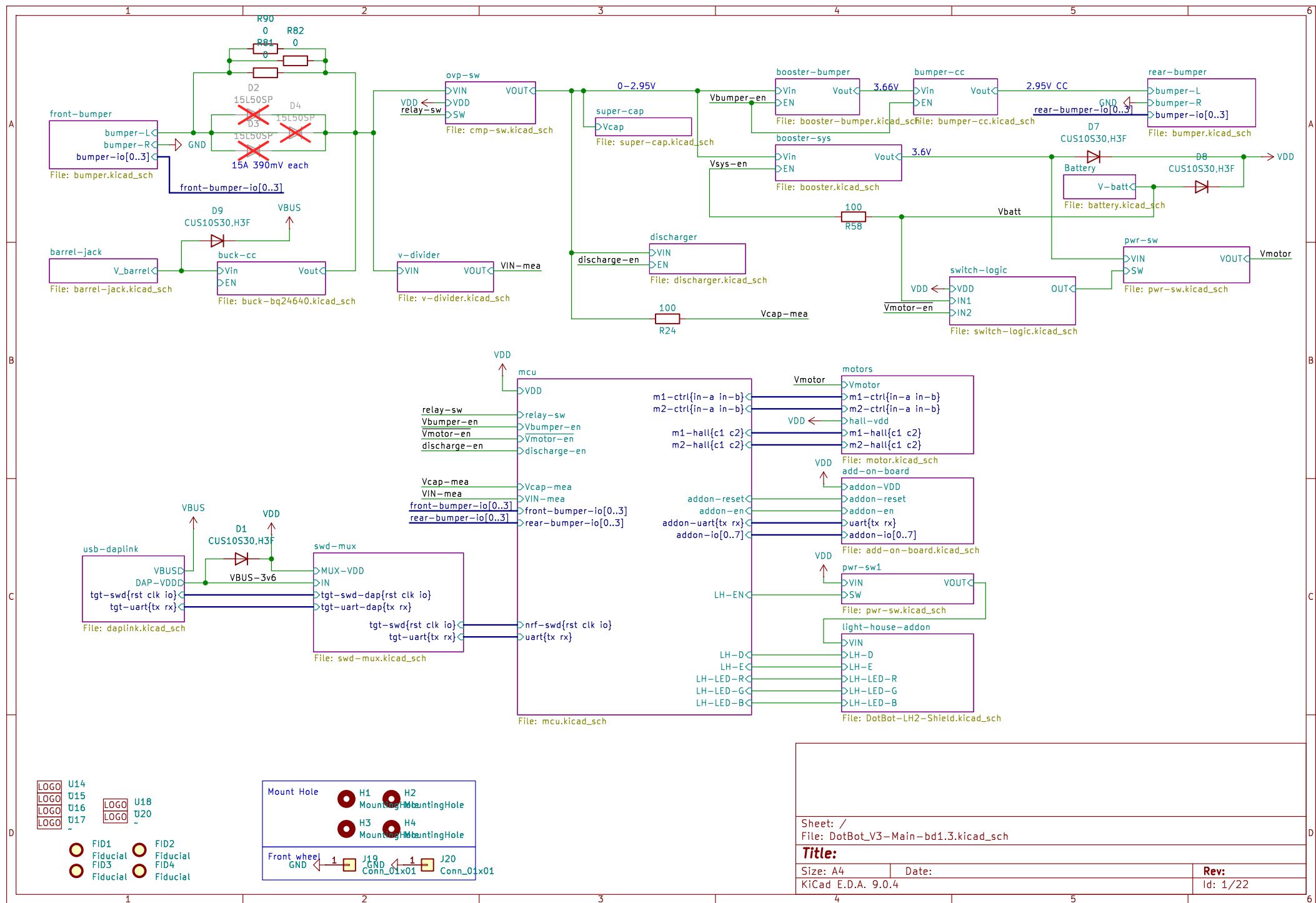
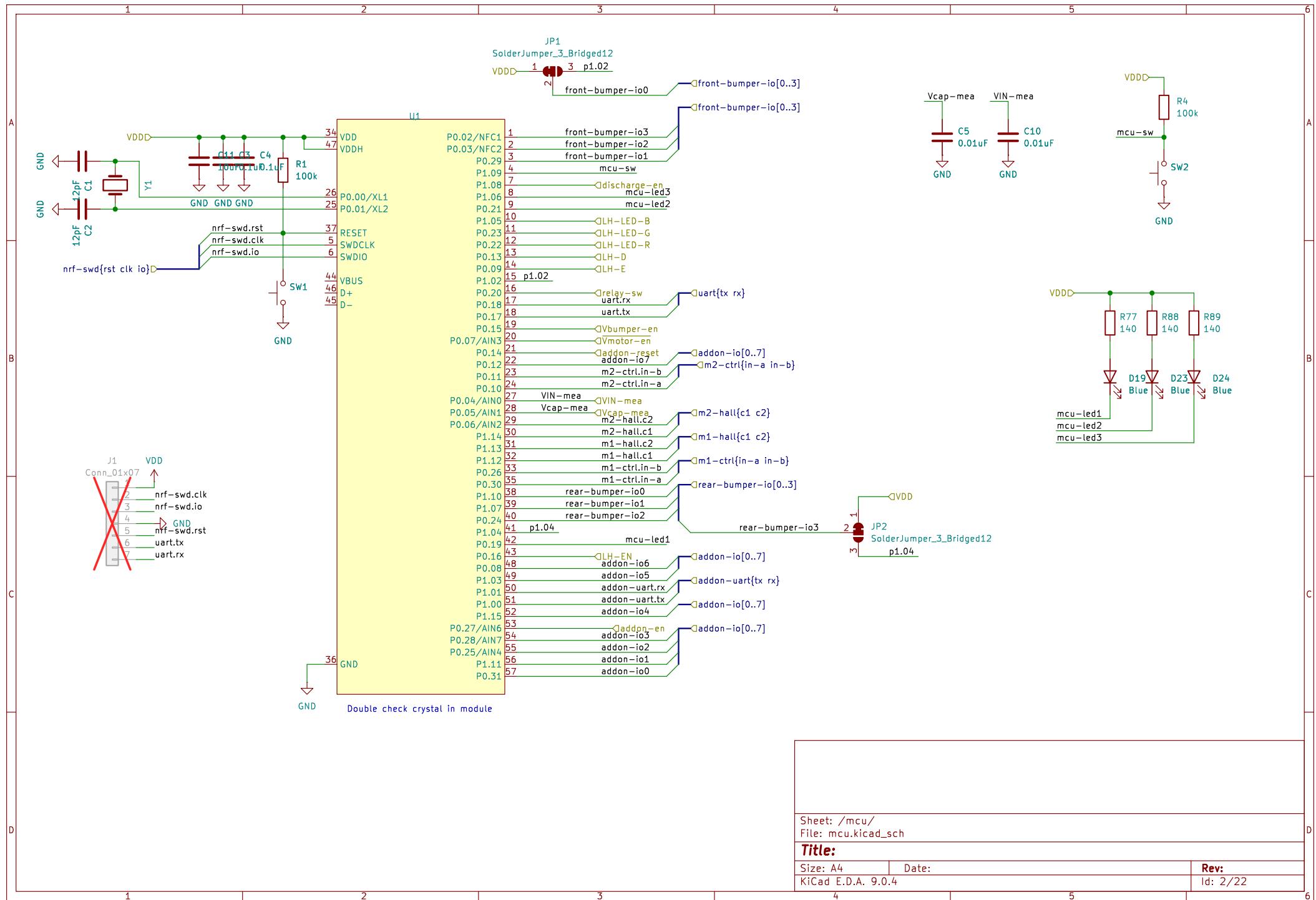
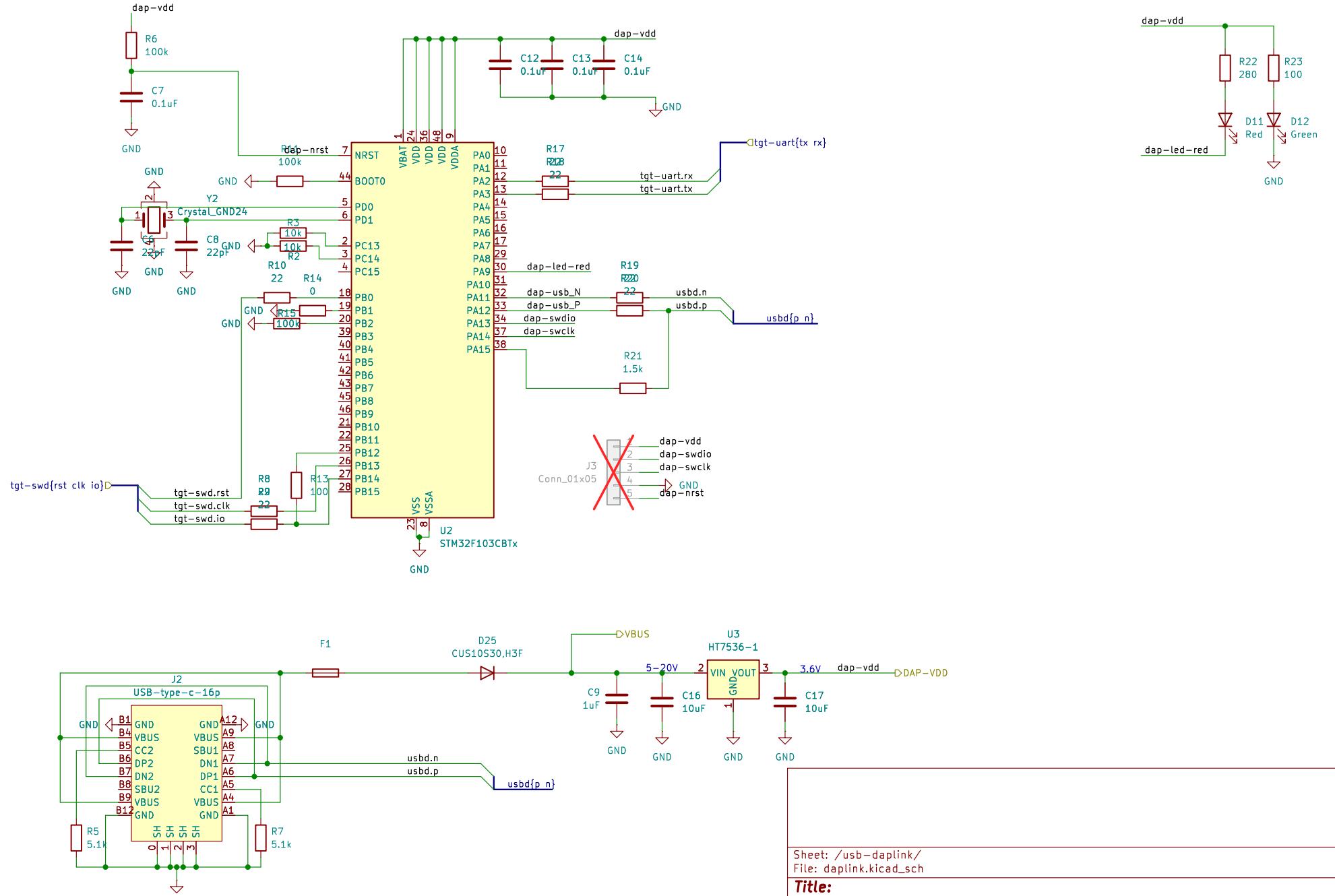


# DotBot V3 Schematic

KU LEUVEN INTERNAL USE ONLY







A

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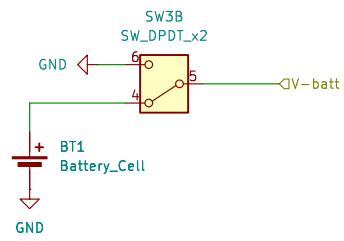
B

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Sheet: /Battery/  
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Size: A4 | Date:  
KiCad E.D.A. 9.0.4

**Rev:**  
Id: 5/22

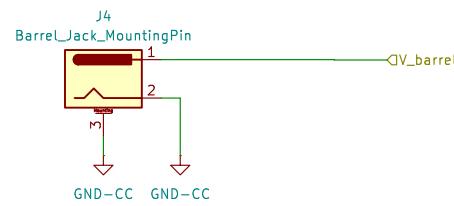
1 2 3 4 5 6

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Sheet: /barrel-jack/  
File: barrel-jack.kicad\_sch

**Title:**

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

**Rev:**  
Id: 6/22

1 2 3 4 5 6

1 2 3 4 5 6

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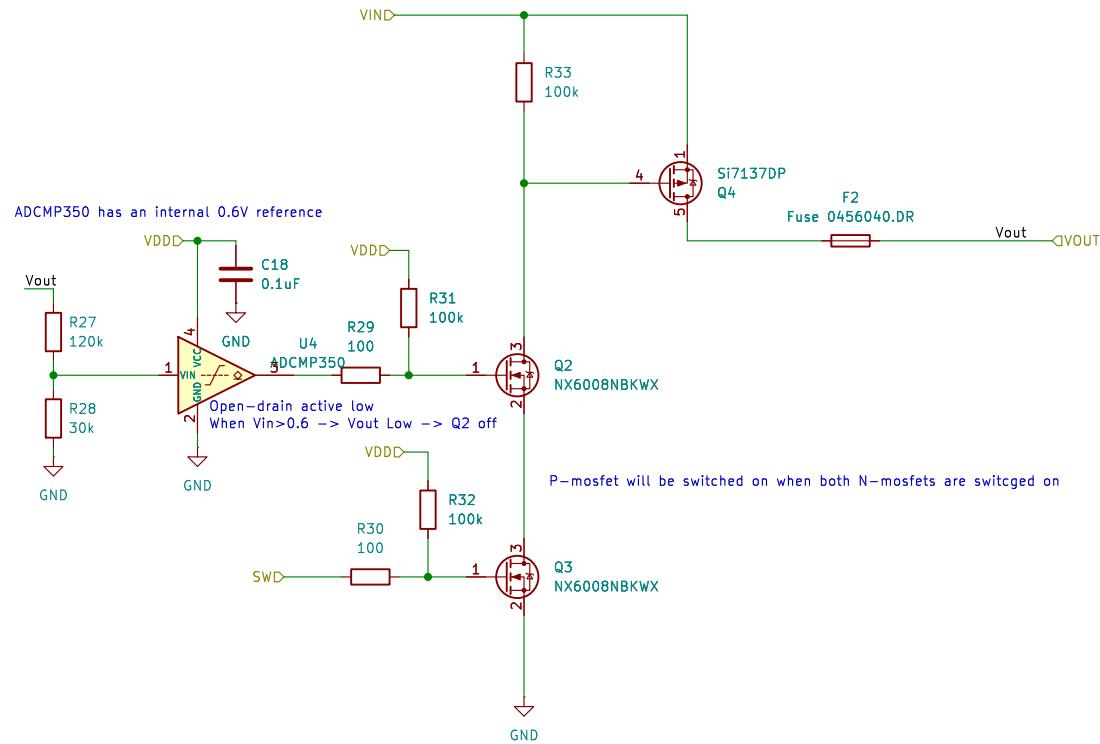
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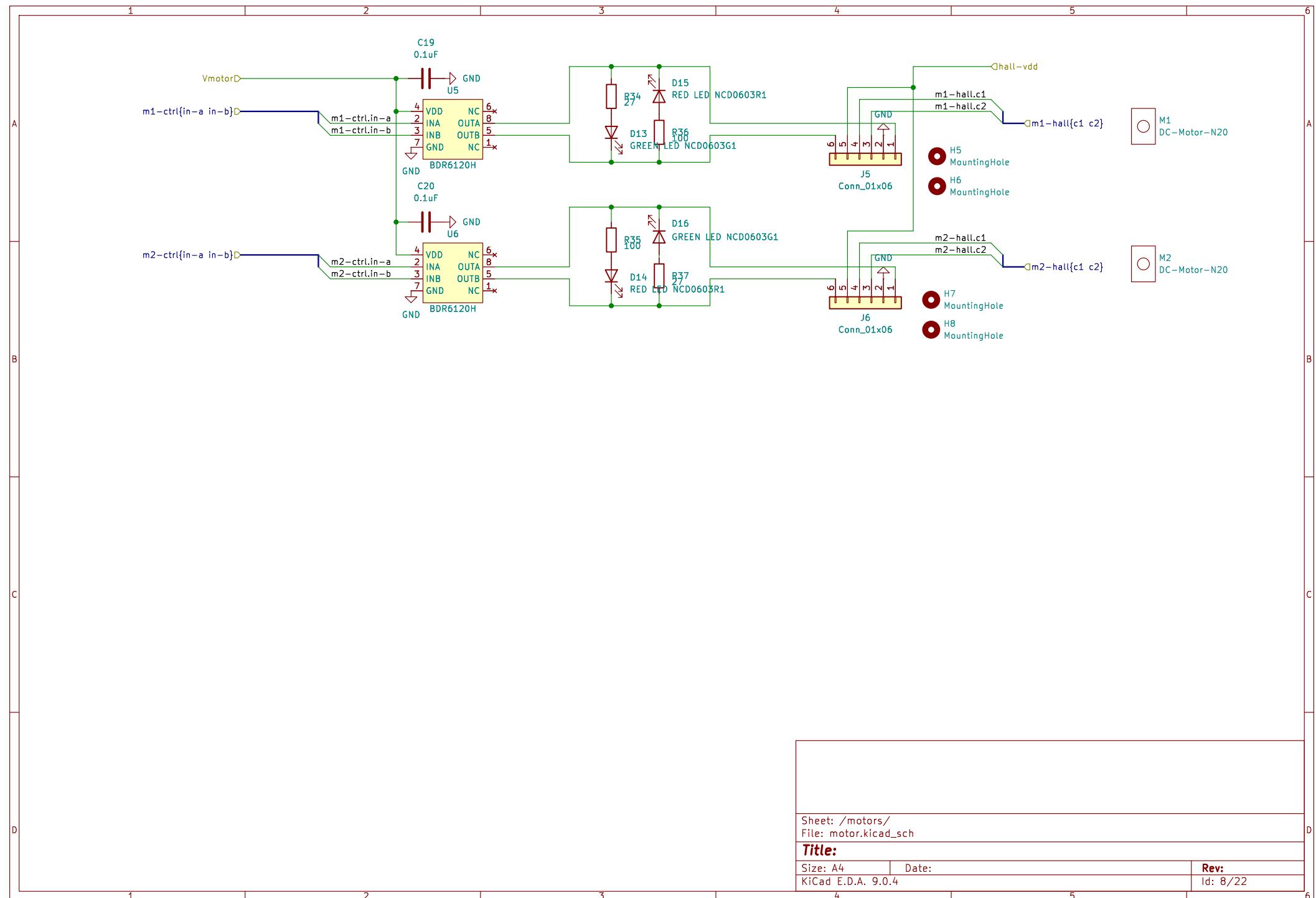
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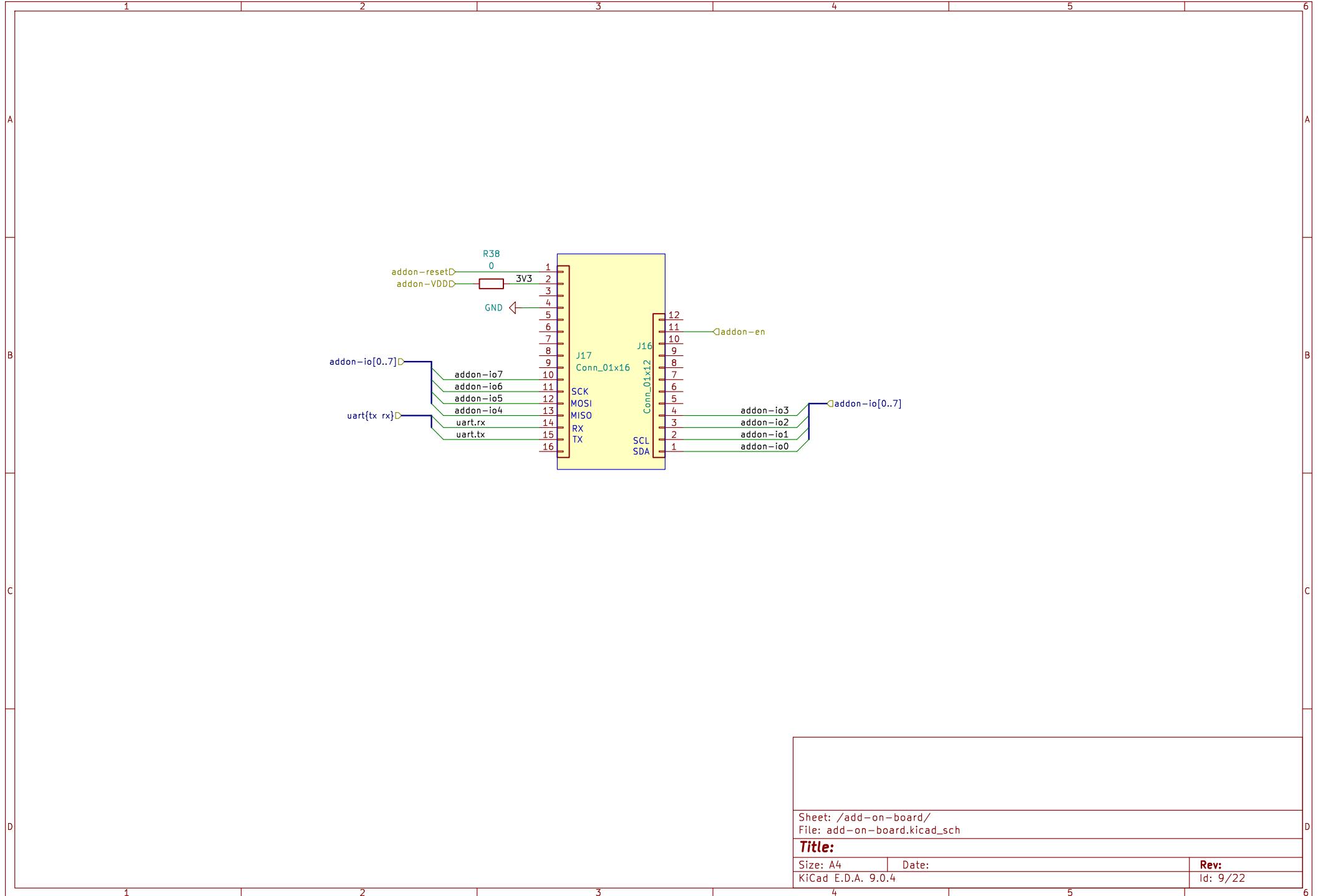
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KiCad E.D.A. 9.0.4

**Rev:**  
Id: 7/22

1 2 3 4 5 6





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KiCad E.D.A. 9.0.4

**Rev:**  
Id: 9/22

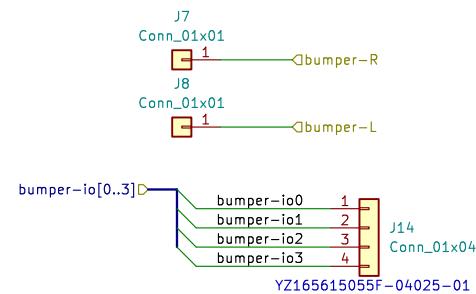
1 2 3 4 5 6

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KiCad E.D.A. 9.0.4

**Rev:**  
Id: 10/22

1 2 3 4 5 6

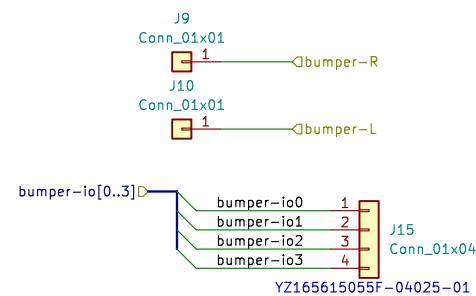
1 2 3 4 5 6

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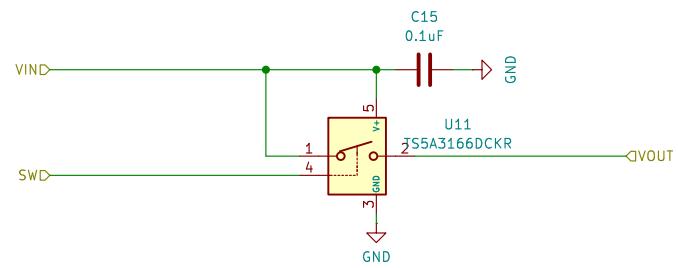
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**Rev:**  
Id: 11/22

1 2 3 4 5 6

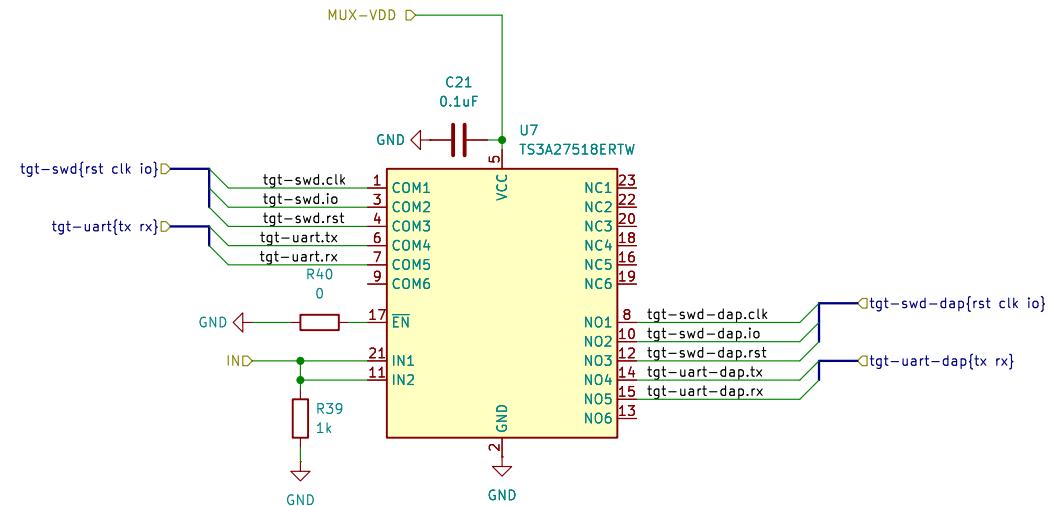


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KiCad E.D.A. 9.0.4

**Rev:**  
Id: 12/22



Sheet: /swd-mux/  
File: swd-mux.kicad\_sch

**Title:**

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

Rev: 1d: 13/22

1 2 3 4 5 6

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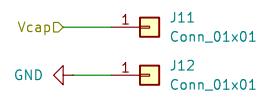
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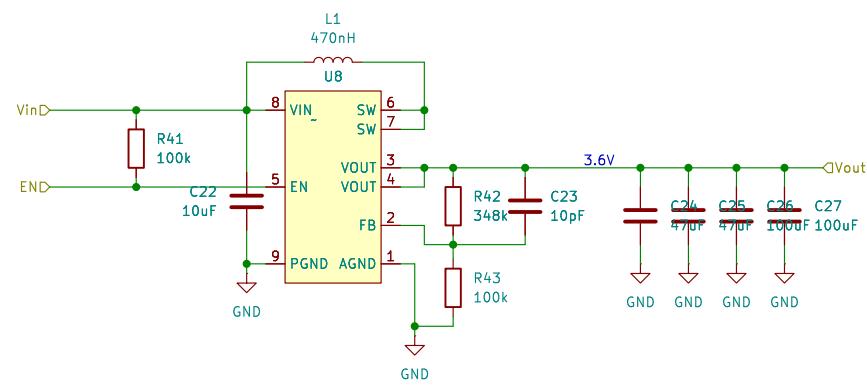
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**Title:**

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**Rev:**  
Id: 14/22

1 2 3 4 5 6

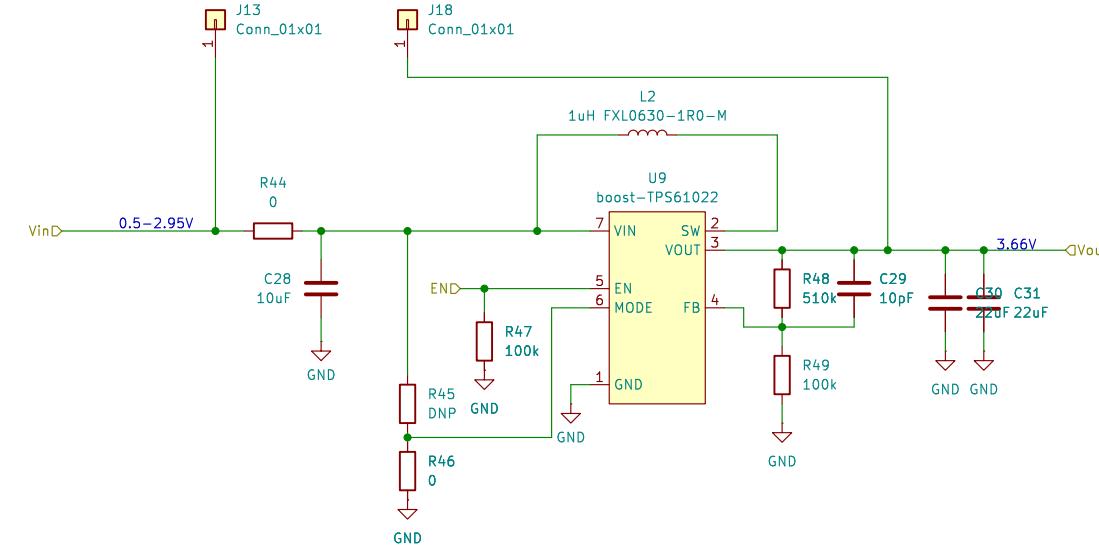


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**Title:**

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KiCad E.D.A. 9.0.4

**Rev:**  
Id: 15/22

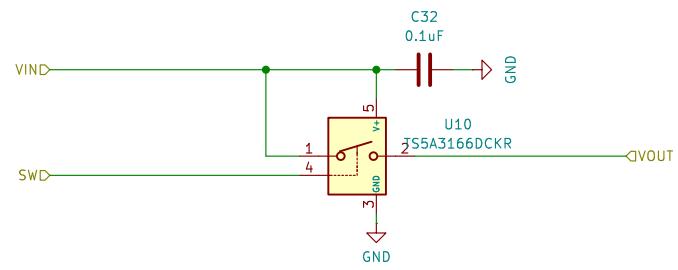


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KiCad E.D.A. 9.0.4

**Rev:**  
Id: 16/22



Sheet: /pwr-sw/  
File: pwr-sw.kicad\_sch

**Title:**

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

**Rev:**  
Id: 17/22

1 2 3 4 5 6

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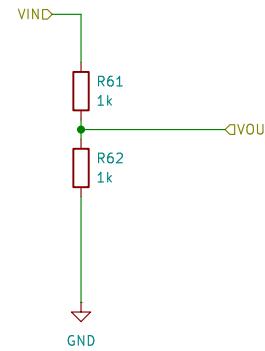
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Sheet: /v-divider/  
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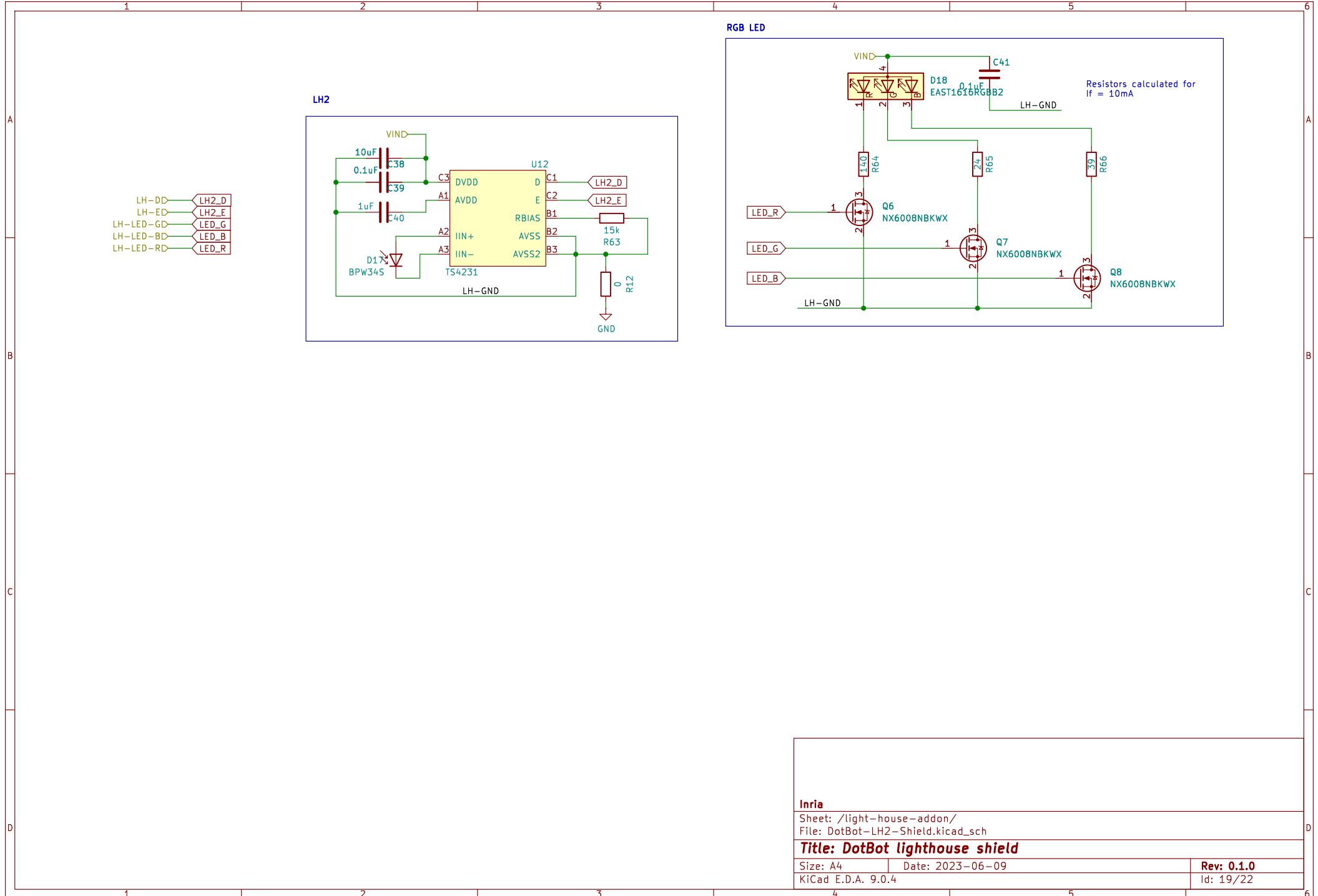
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**Rev:**  
Id: 18/22

1 2 3 4 5 6

1 2 3 4 5 6



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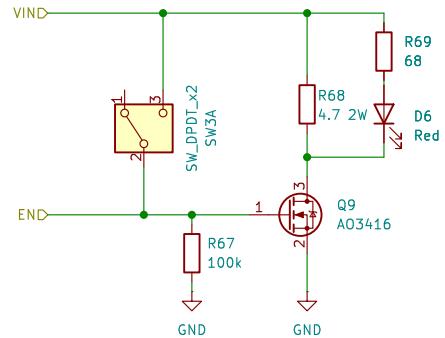
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Sheet: /discharger/  
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**Title:**

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

**Rev:**  
Id: 20/22

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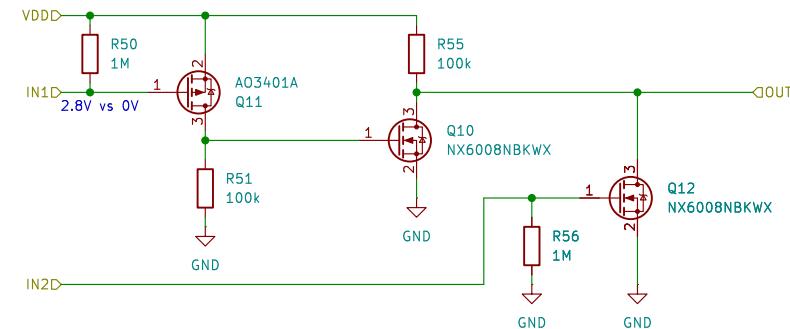
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IN1(Vbat) Low (switch off), OUT Low. -> Vmotor disable  
 IN2(MCU disable signal) high, OUT low -> Vmotor disable  
 IN1 high and IN2 low, OUT high -> Vmotor enable

Sheet: /switch-logic/  
 File: switch-logic.kicad\_sch

**Title:**

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

**Rev:**  
 Id: 21/22

