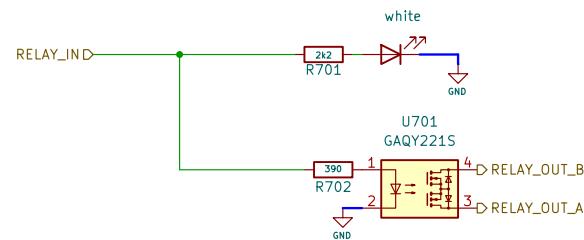


UR701
2

A



A

B

B

Calculation of the input resistor

$V_{diff} = 3.3V - V_f = 3.3V - 1.2V = 2.1V$
 $I_{Fon} = 5mA$
 $R = 2.1V / 5mA = 420 \text{ Ohm}$
 390 Ohm

C

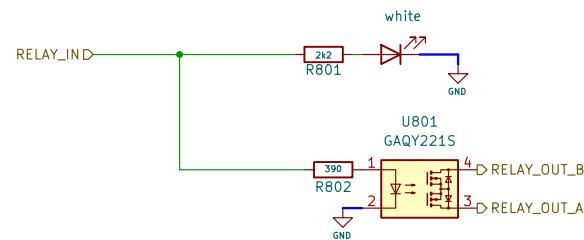
C

D

D

UR801
3

A



A

B

B

Calculation of the input resistor

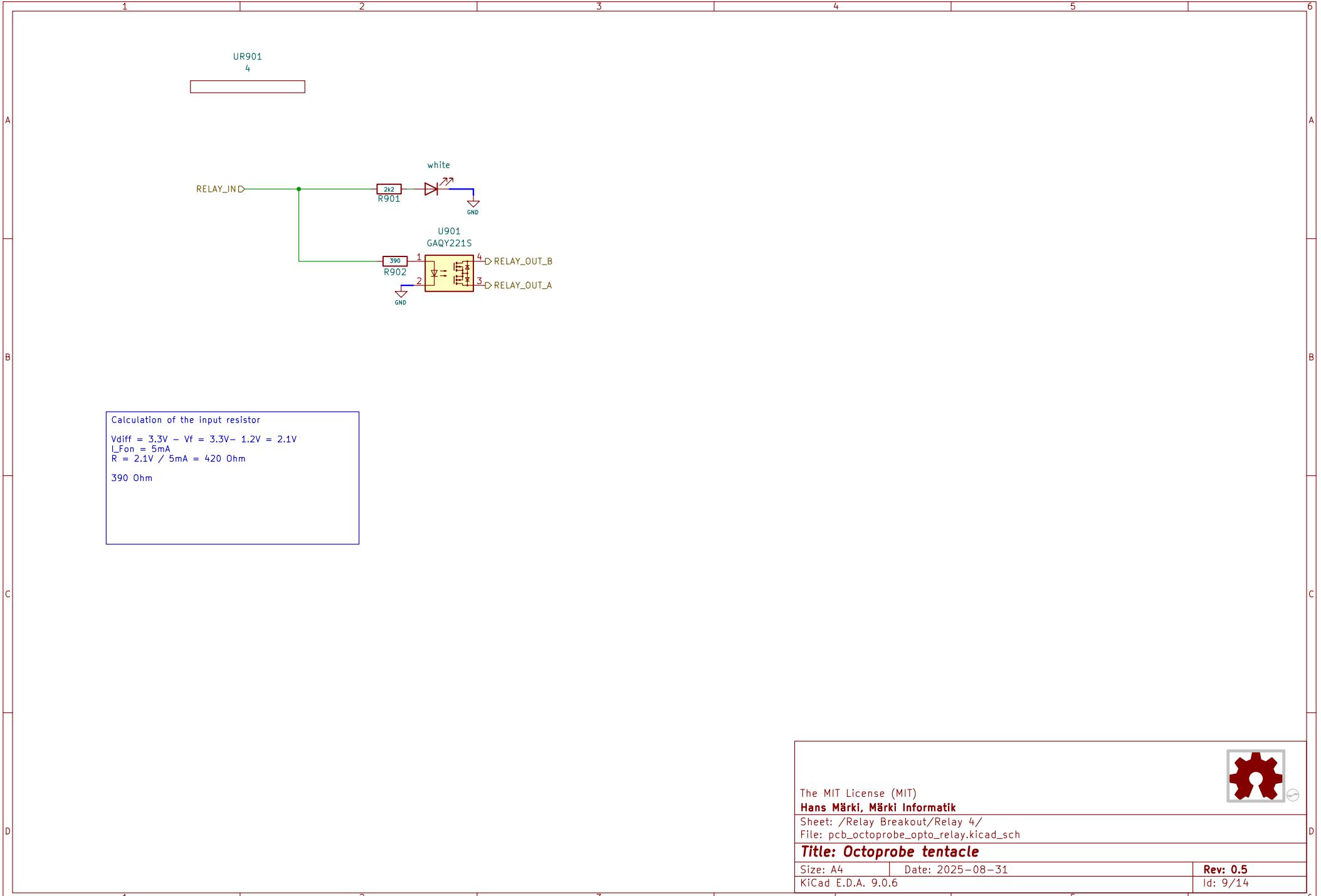
$V_{diff} = 3.3V - V_f = 3.3V - 1.2V = 2.1V$
 $I_{Fon} = 5mA$
 $R = 2.1V / 5mA = 420 \text{ Ohm}$
 390 Ohm

C

C

D

D



UR1001

5



A

B

C

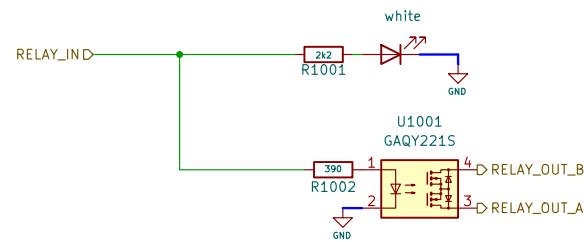
D

A

B

C

D



Calculation of the input resistor

$V_{diff} = 3.3V - V_f = 3.3V - 1.2V = 2.1V$
 $I_{Fon} = 5mA$
 $R = 2.1V / 5mA = 420 \text{ Ohm}$
 390 Ohm

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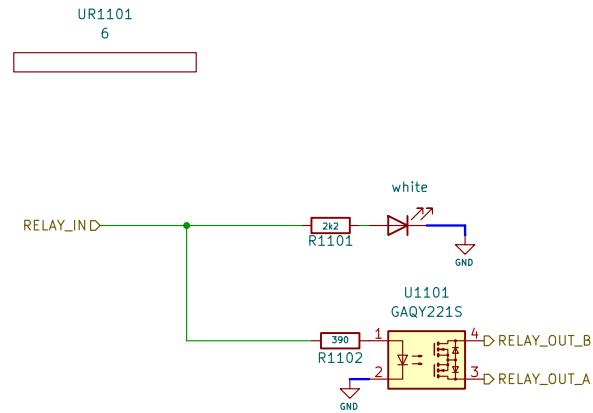
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 File: pcb_octoprobe_opto_relay.kicad_sch

Title: Octoprobe tentacle

Size: A4 | Date: 2025-08-31
 KiCad E.D.A. 9.0.6



Rev: 0.5
 Id: 10/14



Calculation of the input resistor

$$V_{diff} = 3.3V - V_f = 3.3V - 1.2V = 2.1V$$

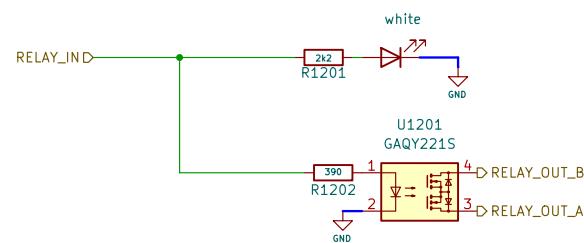
$$I_{Fon} = 5mA$$

$$R = 2.1V / 5mA = 420 \text{ Ohm}$$

390 Ohm

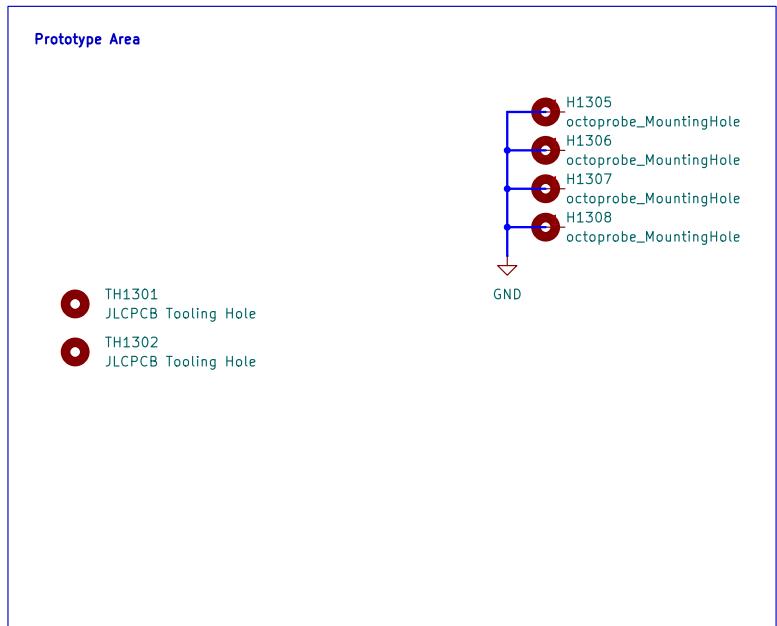


UR1201

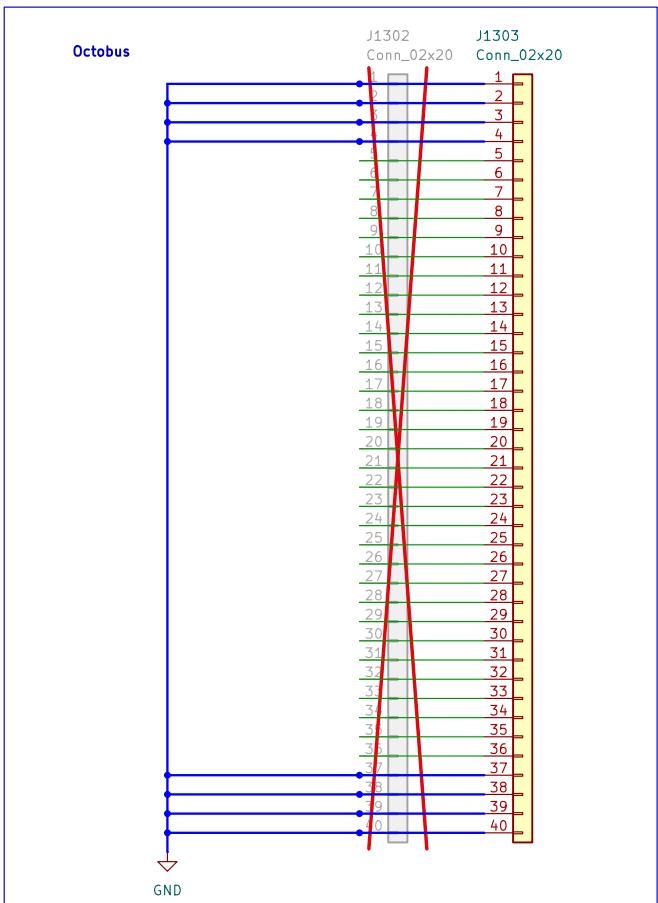
**Calculation of the input resistor**

$V_{diff} = 3.3V - V_f = 3.3V - 1.2V = 2.1V$
 $I_{Fon} = 5mA$
 $R = 2.1V / 5mA = 420 \text{ Ohm}$
 390 Ohm

A

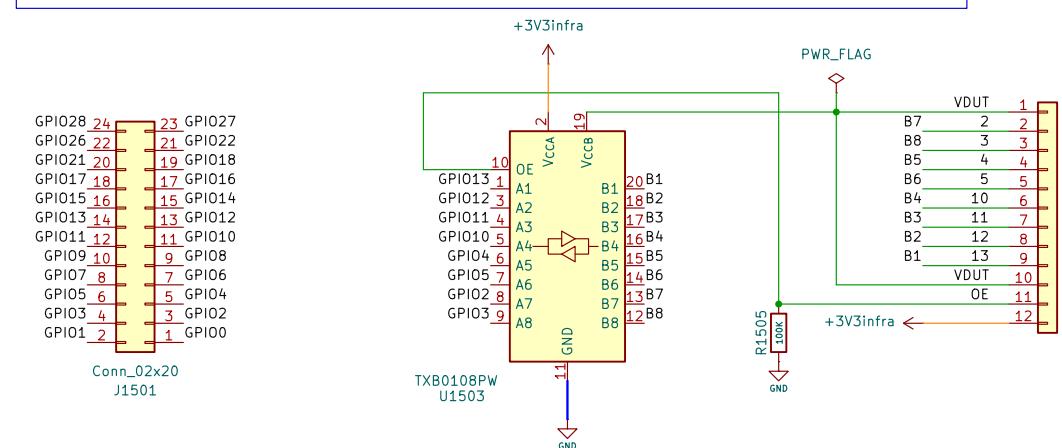
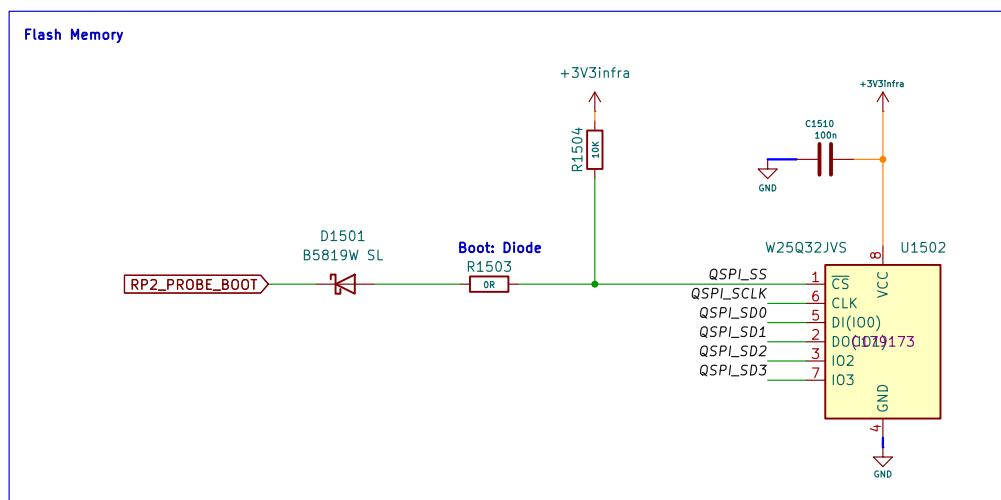
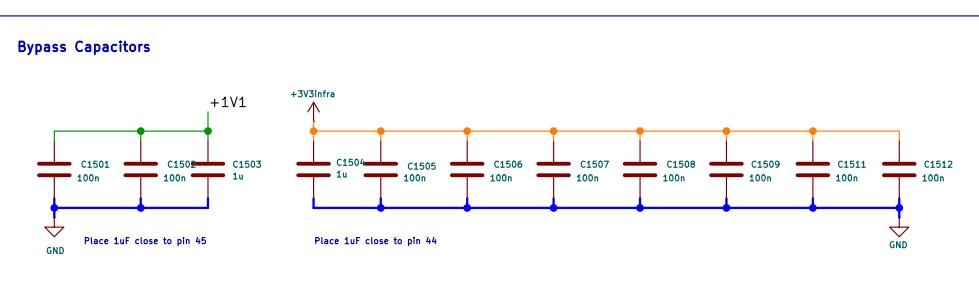
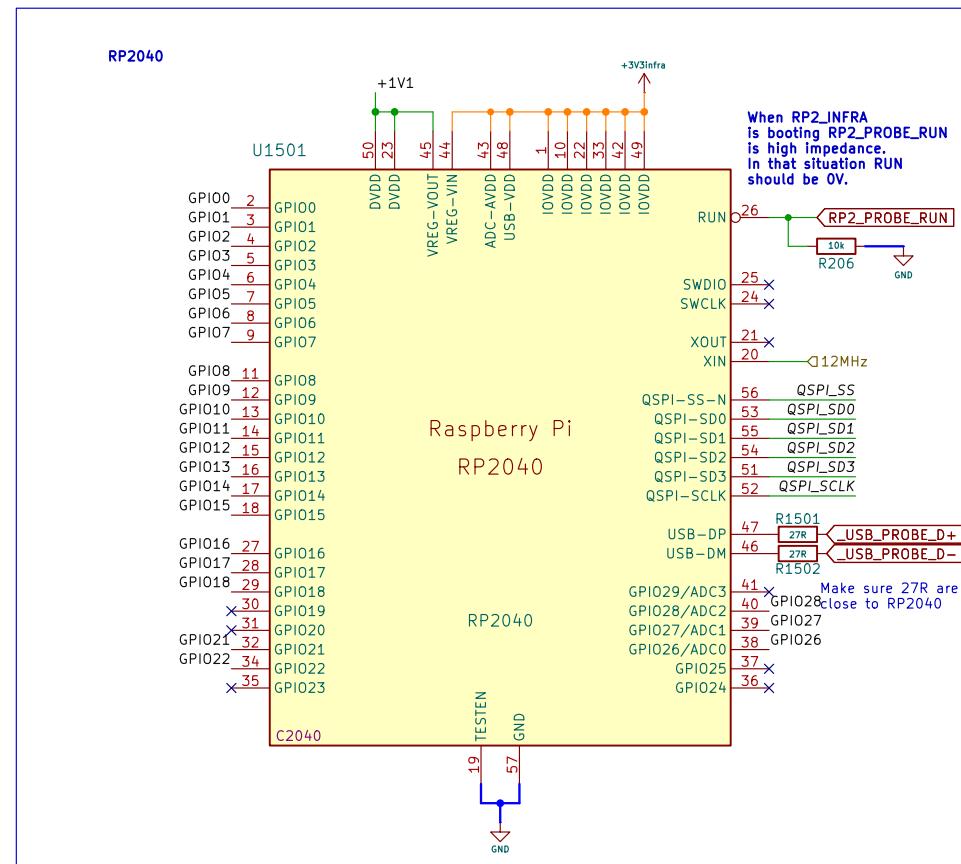


B



C

D



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Sheet: /RP2 PROBE/
File: pcb_octoprobe_probe.kicad_sch

Title: Octoprobe tentacle

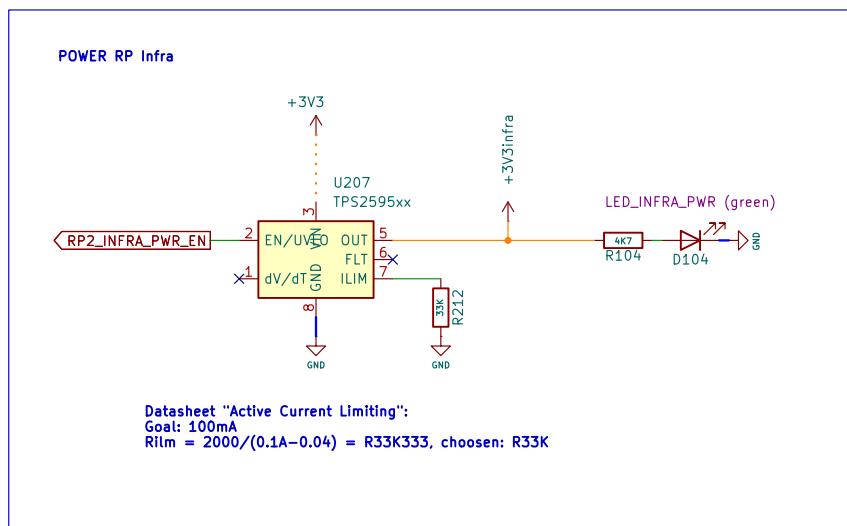
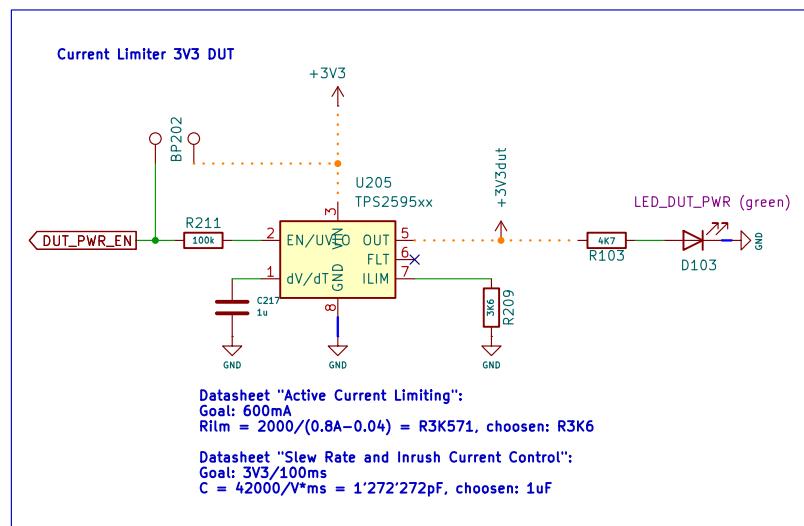
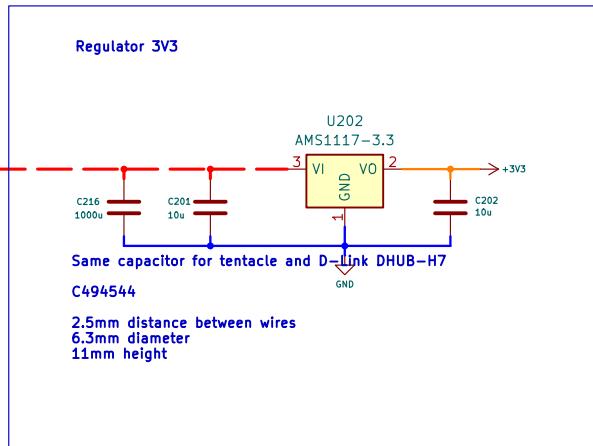
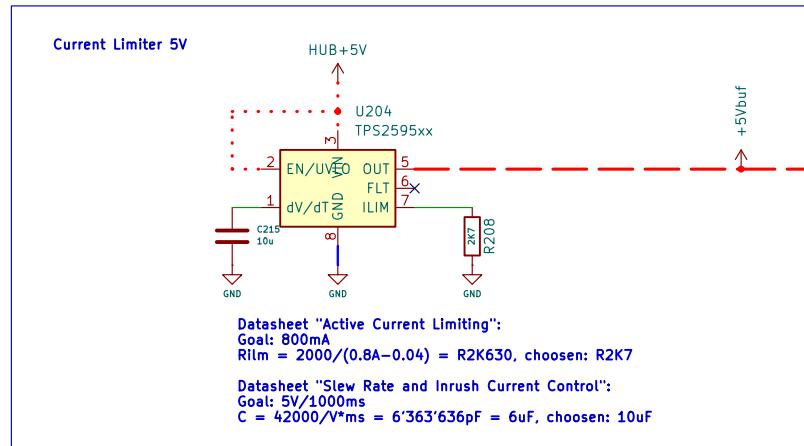
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Rev: 0.5

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1 2 3 4 5 6



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Size: A4 Date:
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Rev:
Id: 16/14

1 2 3 4 5 6