

RP2 CPU

File: pcb_octoprobe_cpu.kicad_sch

Relay Breakout

File: pcb_octoprobe_relay_breakout.kicad_sch

Prototype Area

File: pcb_octoprobe_prototype_area.kicad_sch

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Sheet: /

File: pcb_octoprobe.kicad_sch

Title: Octoprobe tentacle

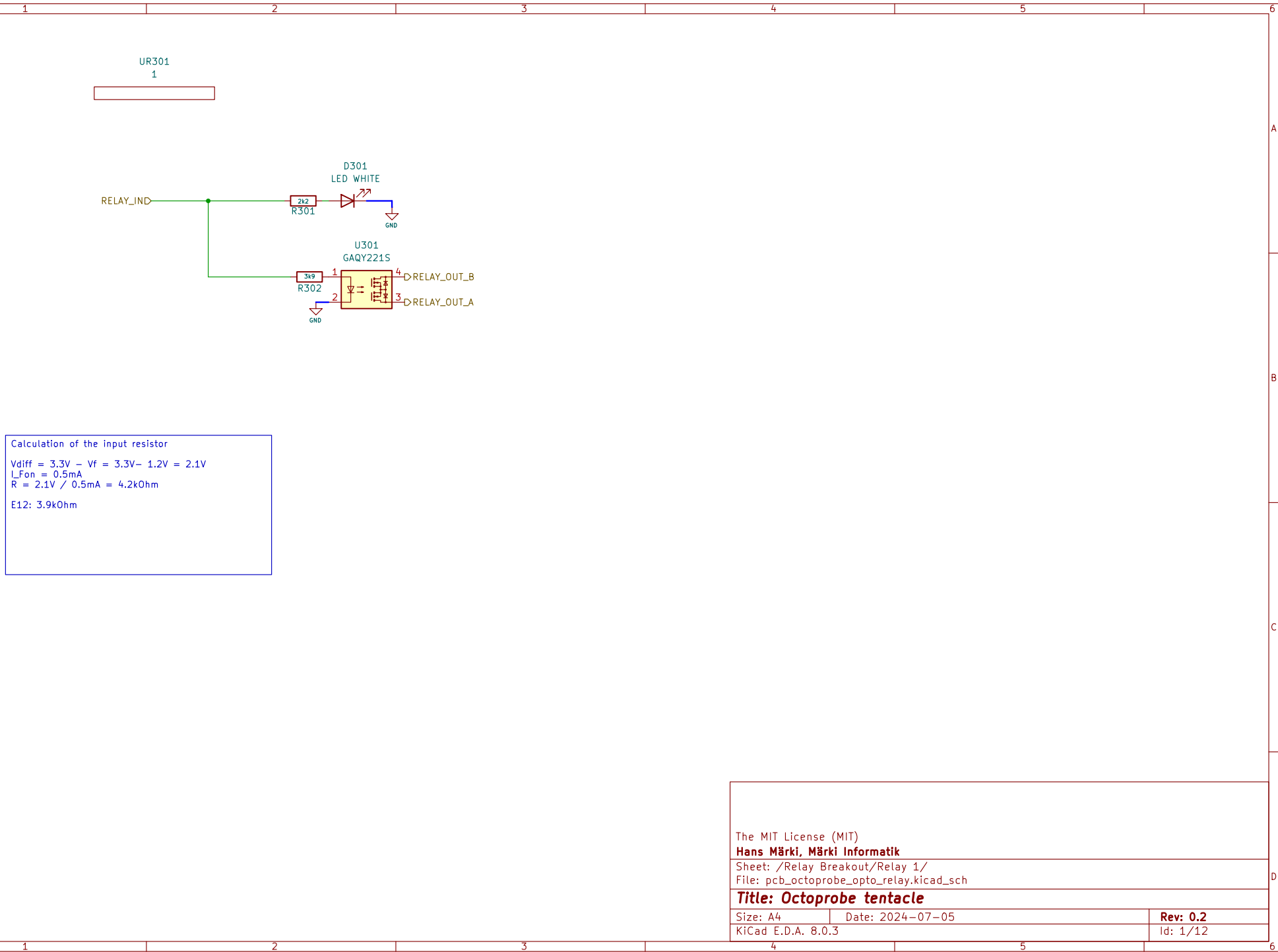
Size: A4

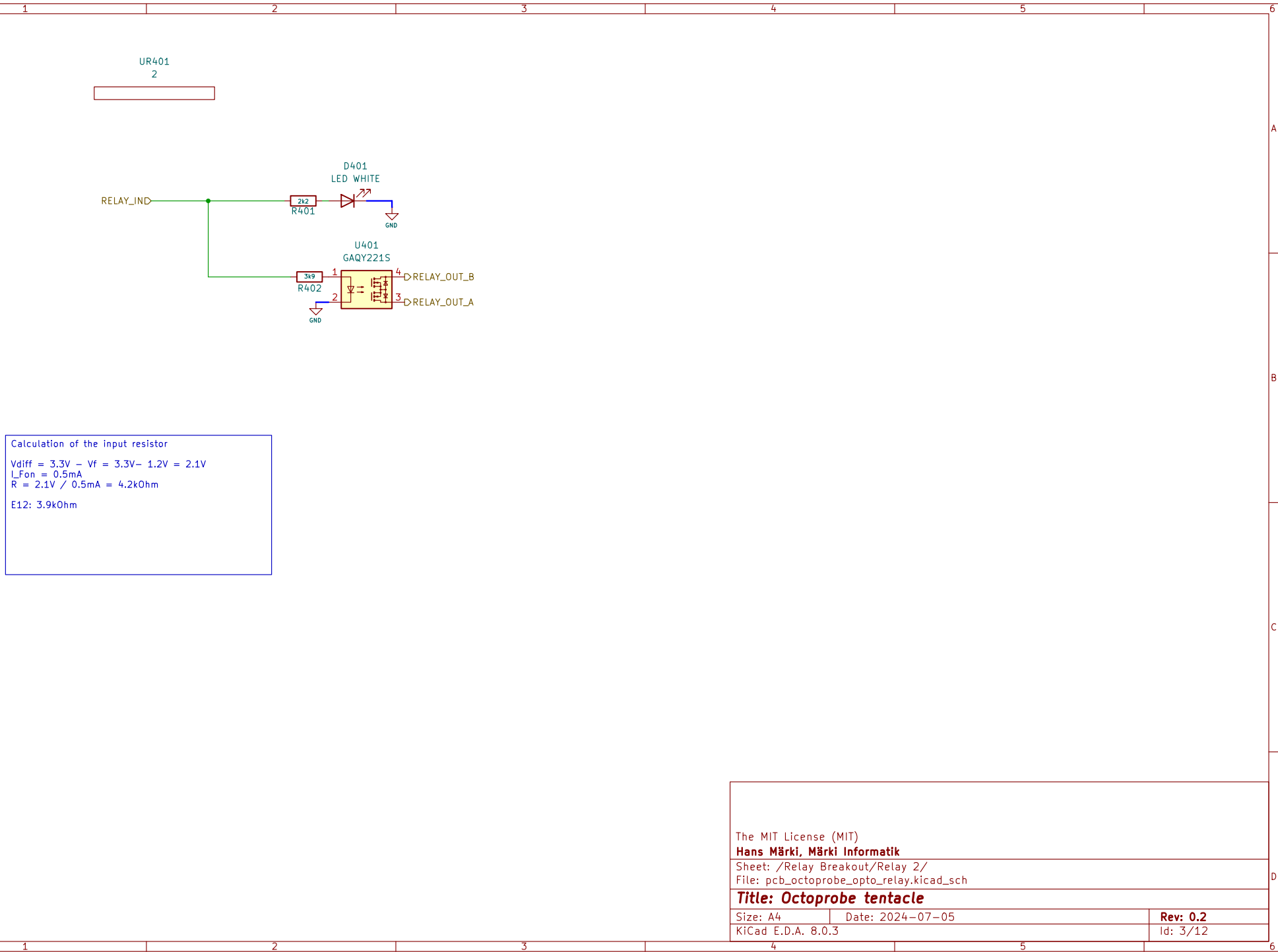
Date: 2024-07-05

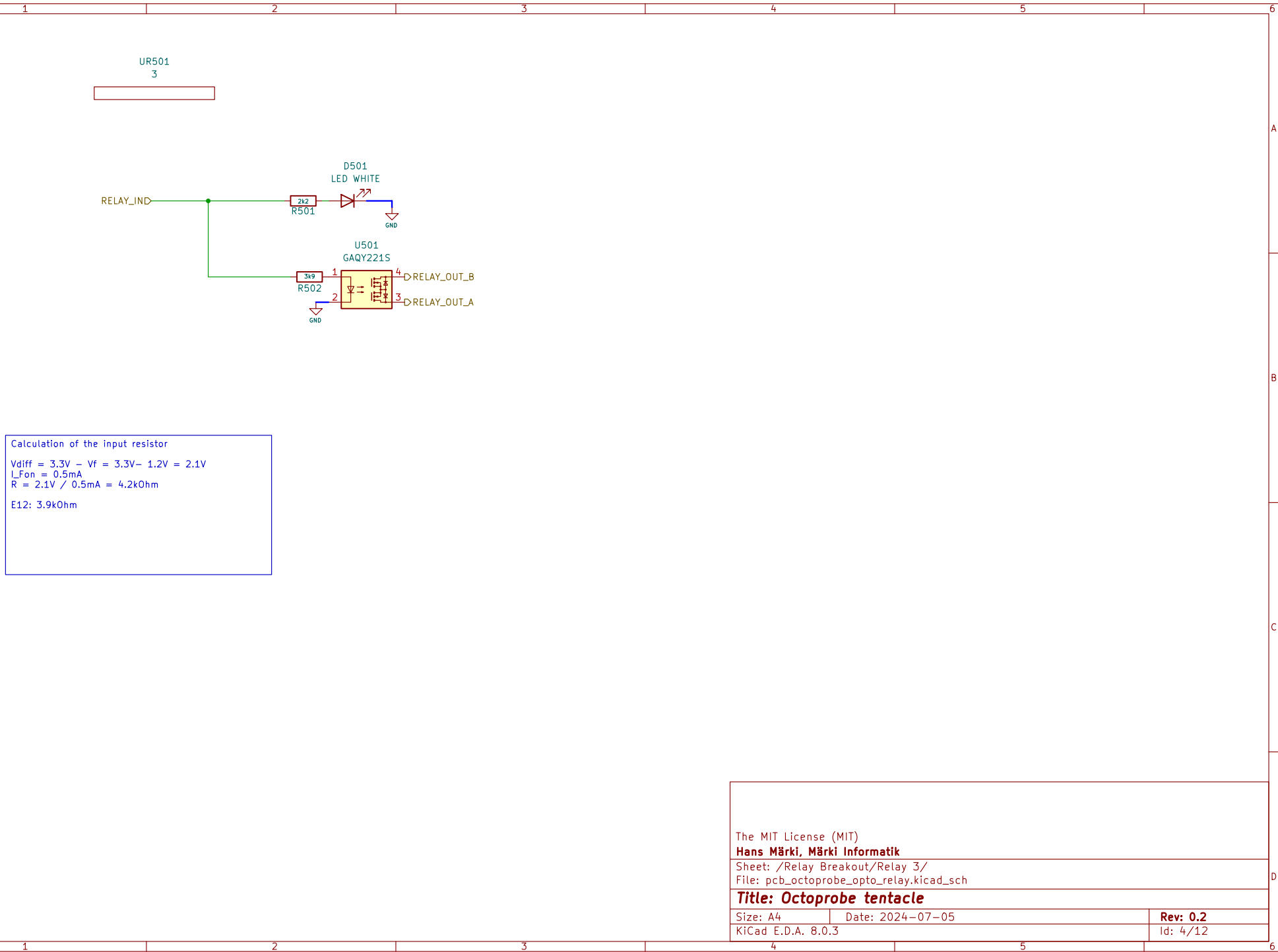
KiCad E.D.A. 8.0.3

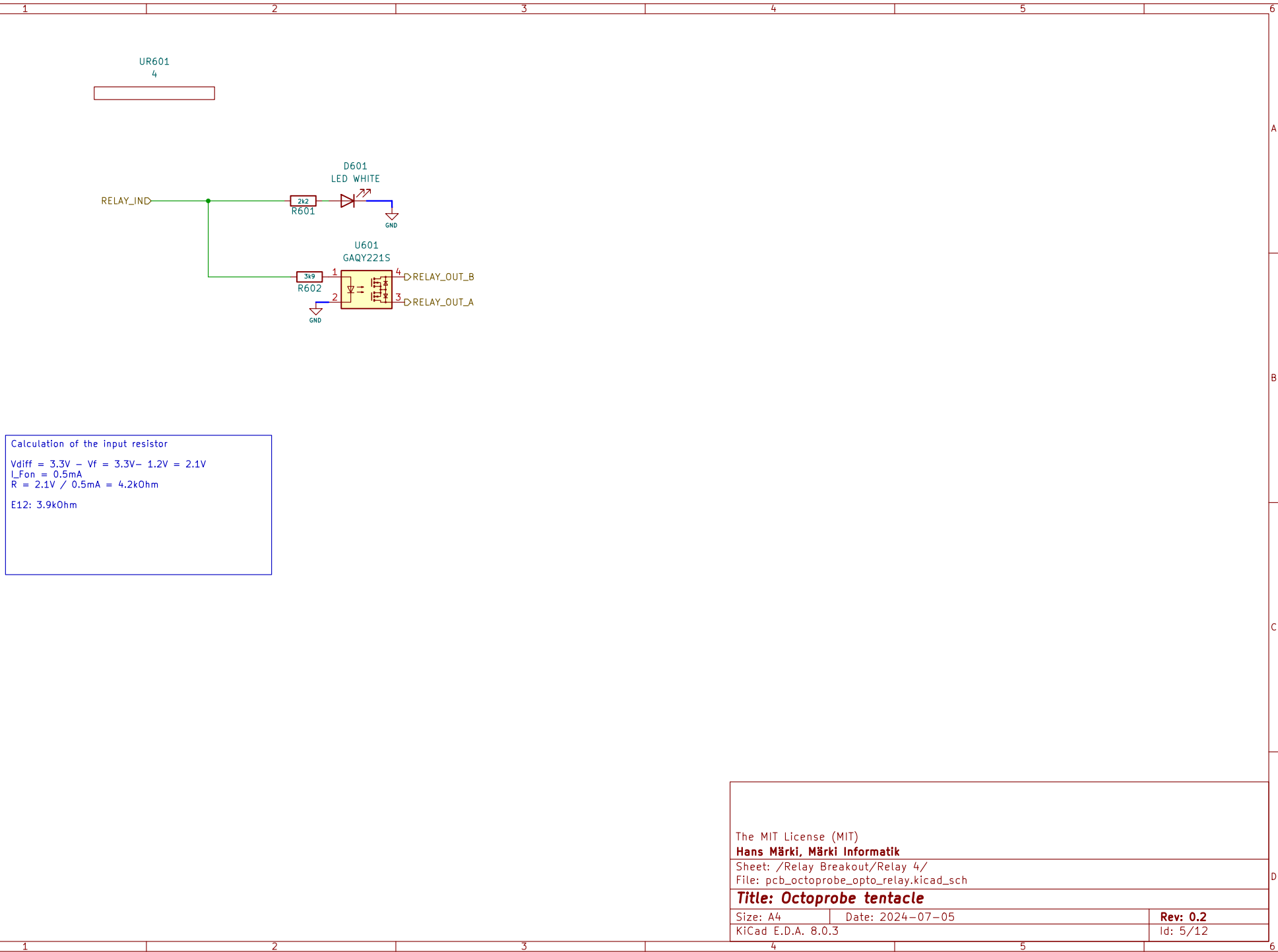
Rev: 0.2

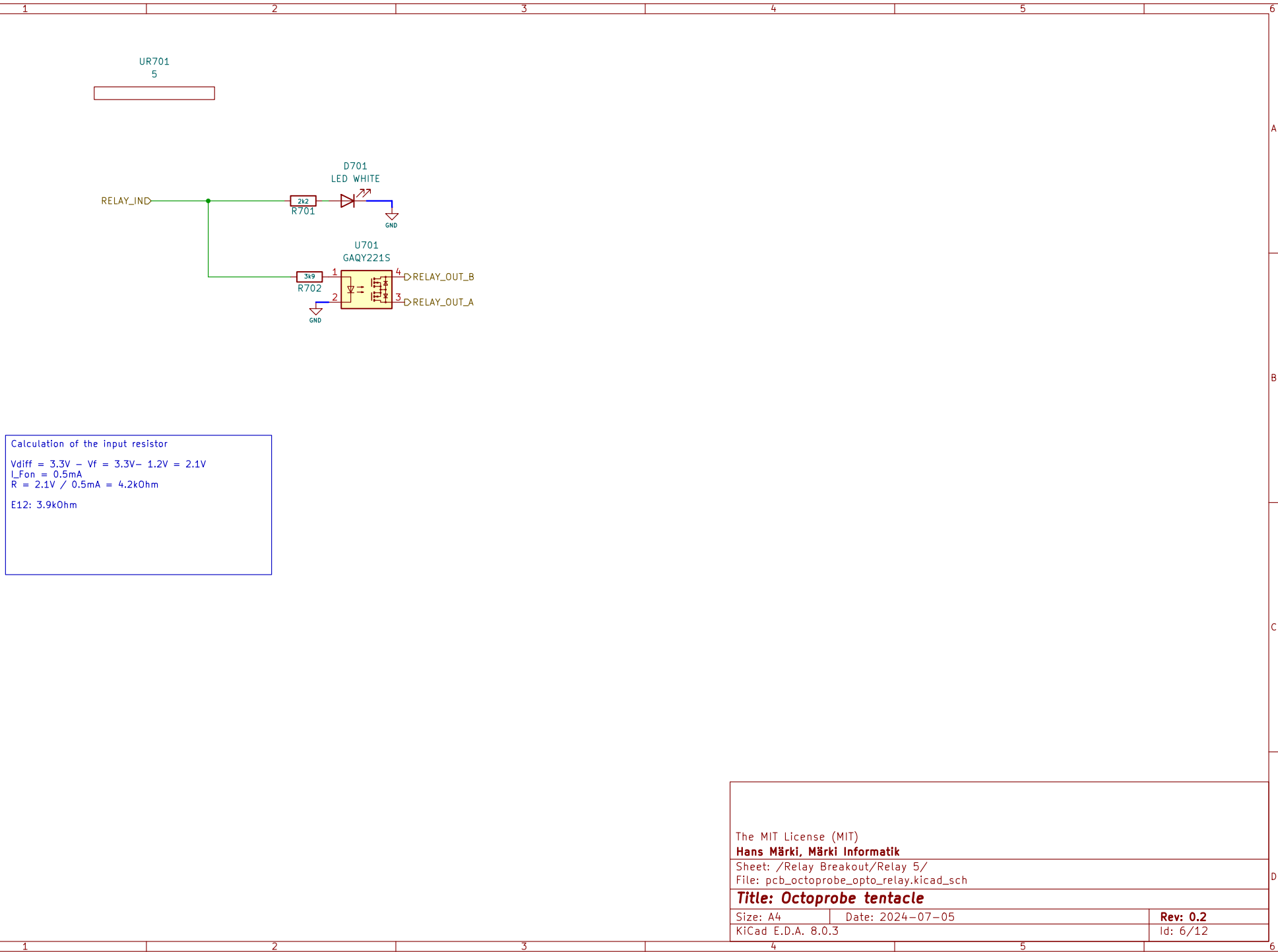
Id: 1/12





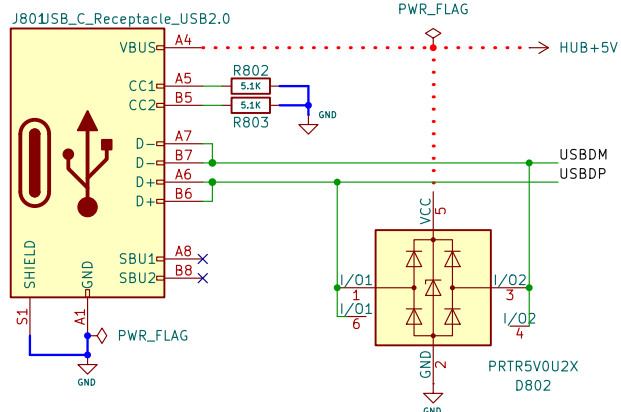






USB C Female

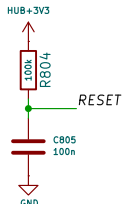
USB Type-C DATA



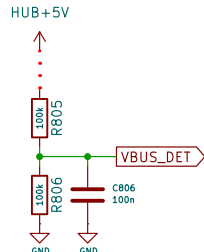
Power LED



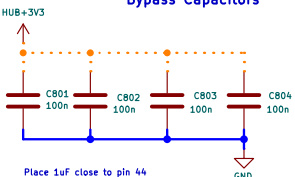
Boot Sequence



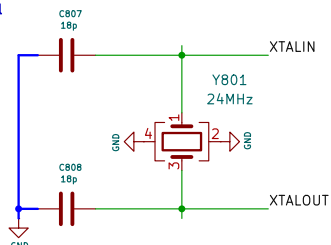
VBUS_DET



Bypass Capacitors



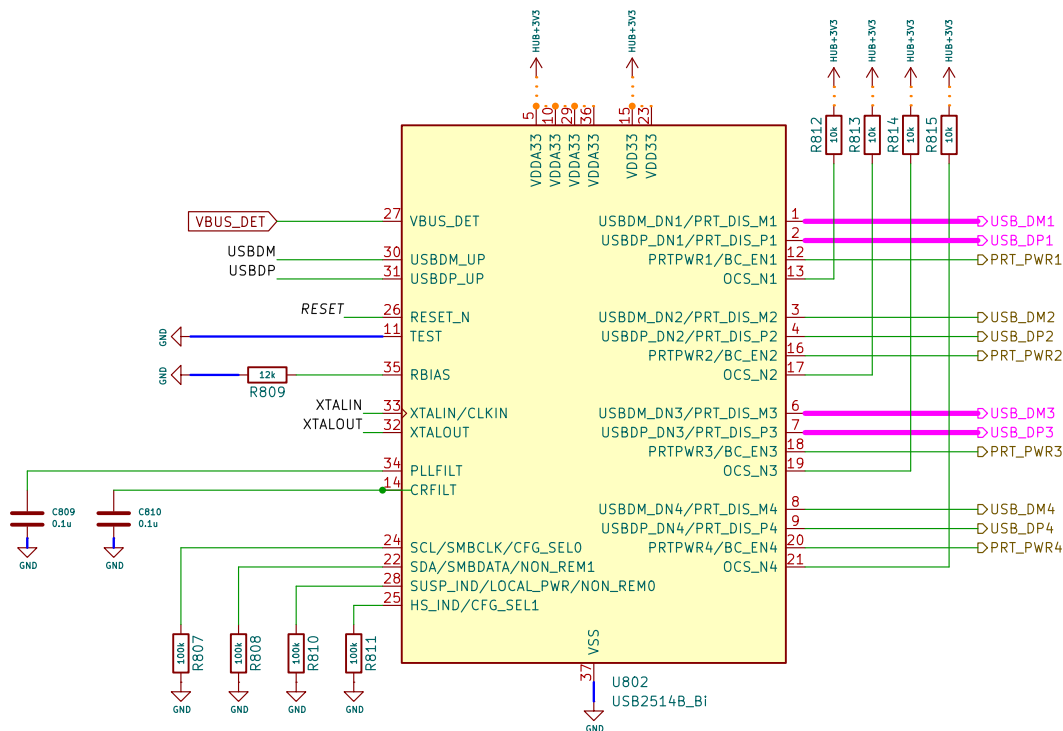
Crystal



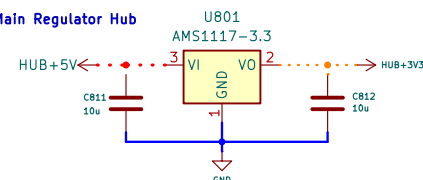
POWER

Hub
HUB+5V
HUB+3V3
RP2-Infra
+5V
+3V3

Hub



Main Regulator Hub



Microchip AN 15.17 "PCB Layout Guide for USB Hubs"

DP/DM:
27mil, 0.7mm, trace
5mil, 0.127mm, space
50mil, 1.27mm, trace side no ground

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Sheet: /USB Hub Chip/

File: pcb_octoprobe_usbhubchip.kicad_sch

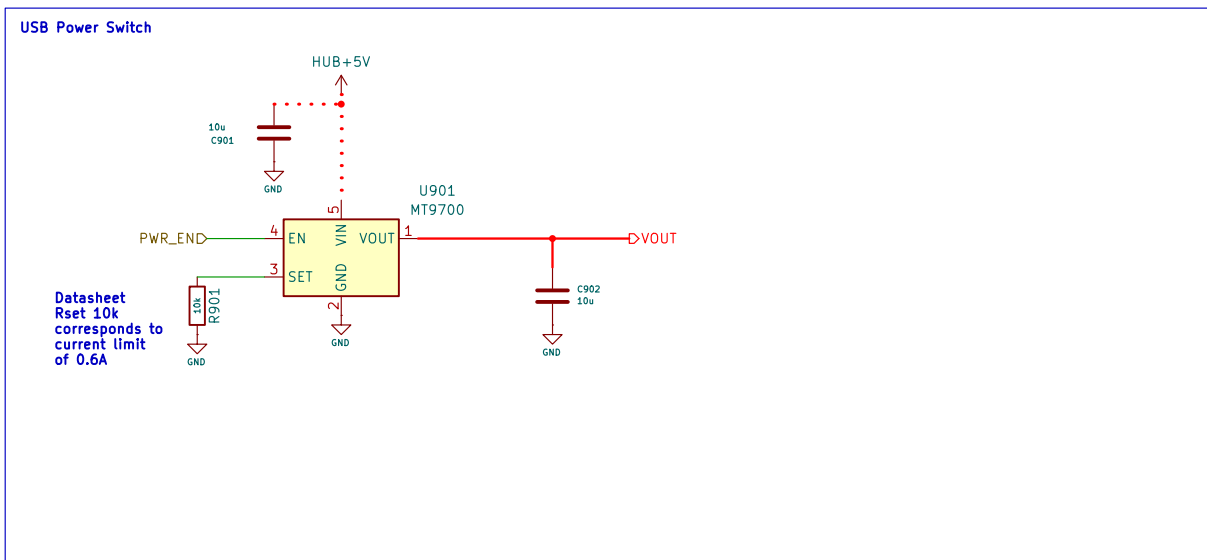
Title: Octoprobe tentacle

Size: A4 | Date: 2024-07-05

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Rev: 0.2

Id: 1/12



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Sheet: /USB Power Switch RP2/

File: pcb_octoprobe_usbpowerswitch.kicad_sch

Title: Octoprobe tentacle

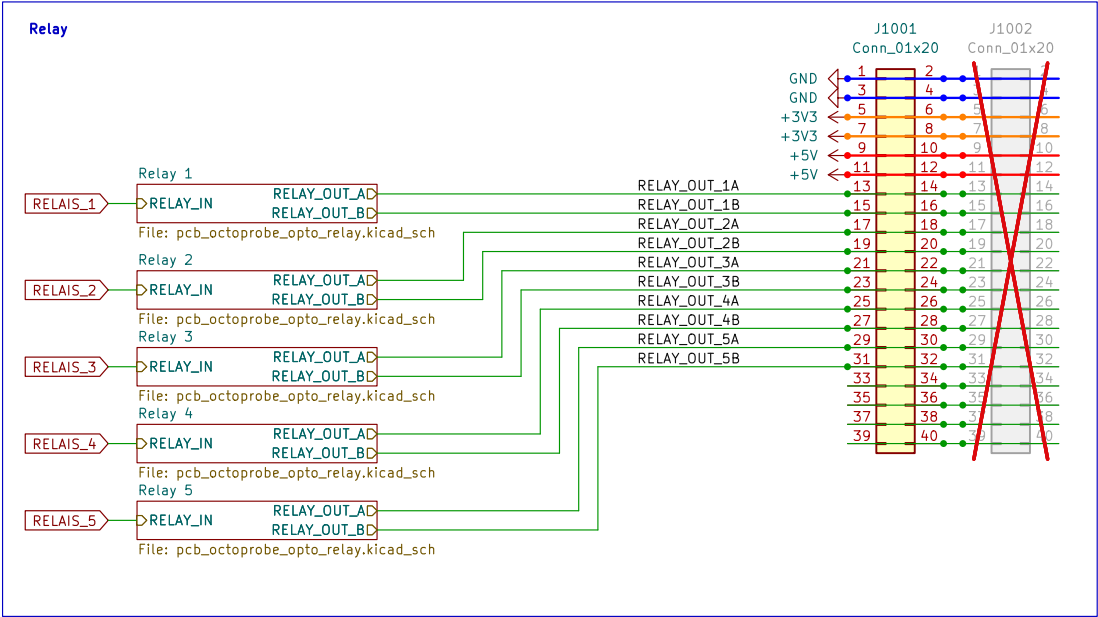
Size: A4

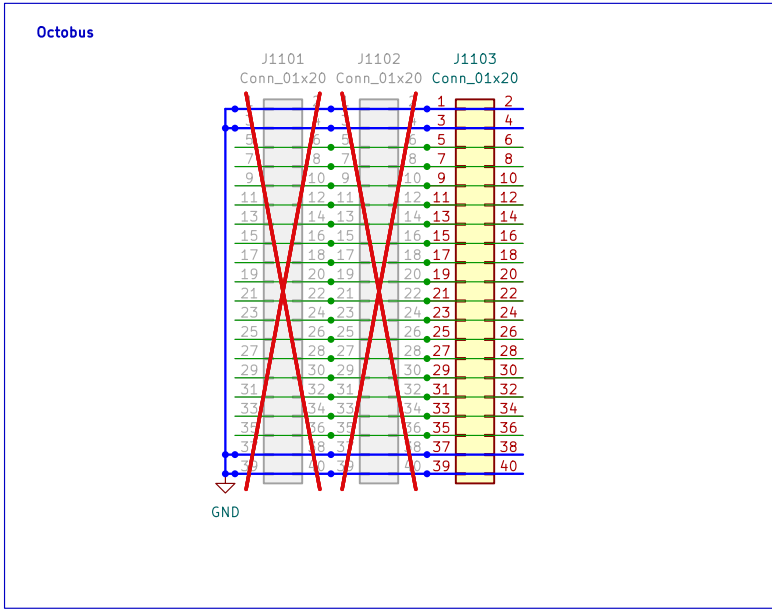
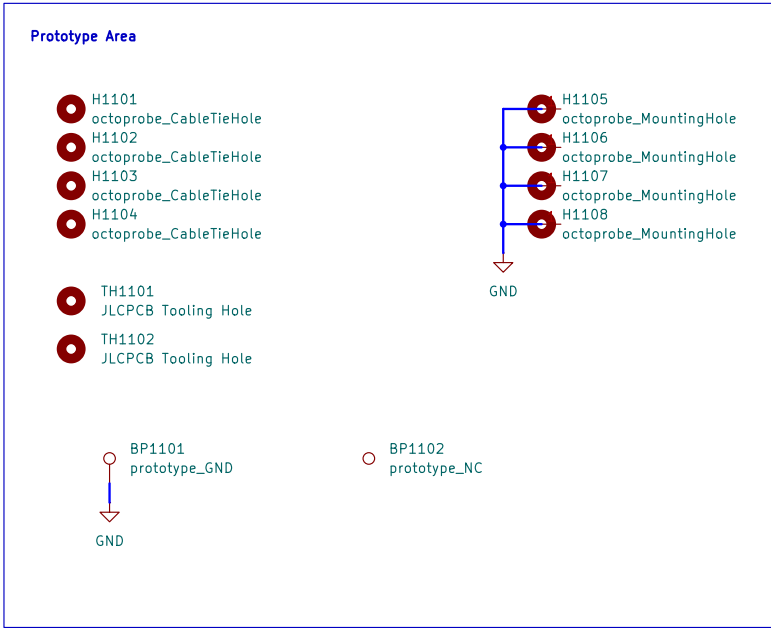
Date: 2024-07-05

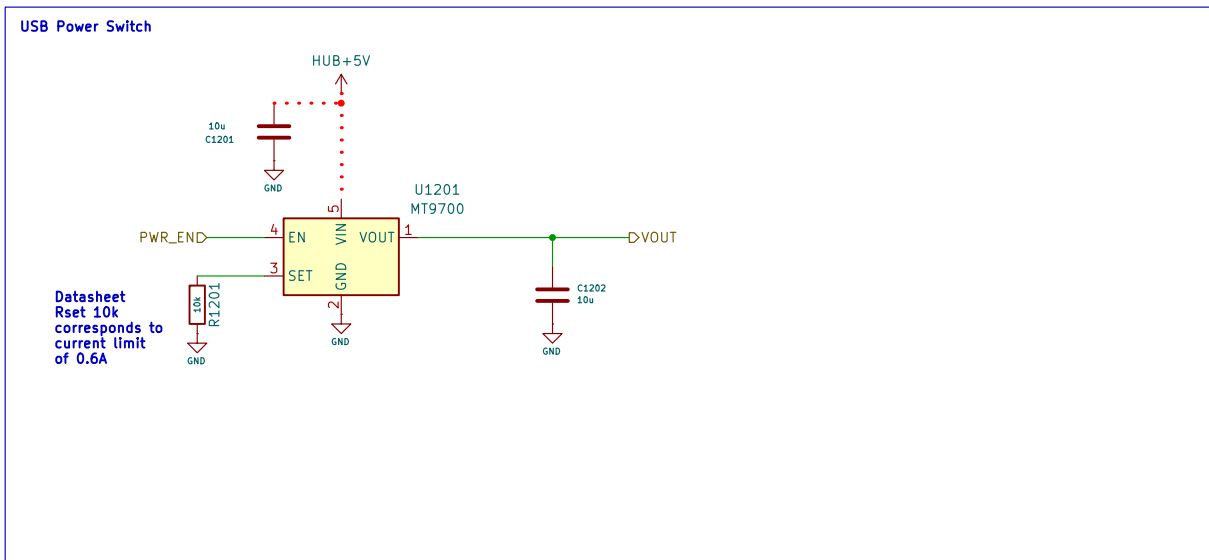
Rev: 0.2

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Id: 1/12







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Sheet: /USB Power Switch DUT/

File: pcb_octoprobe_usbpowerswitch.kicad_sch

Title: Octoprobe tentacle

Size: A4

Date: 2024-07-05

Rev: 0.2

KiCad E.D.A. 8.0.3

Id: 9/12