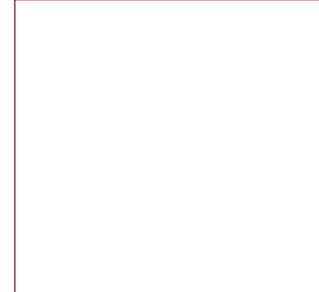
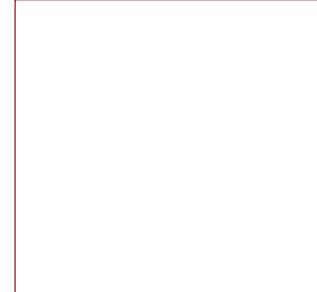


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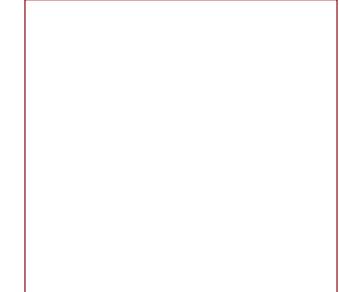
Power



GPS and Switches and Light Sensor

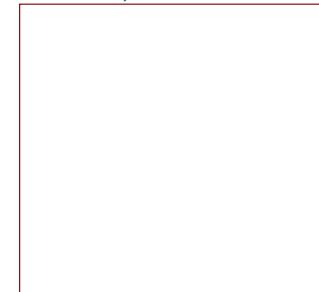


RPI5



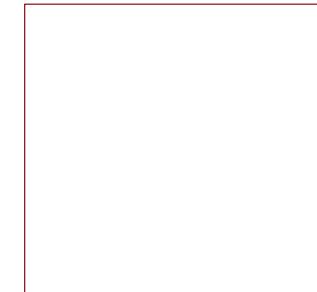
B

camera battery and mechanical



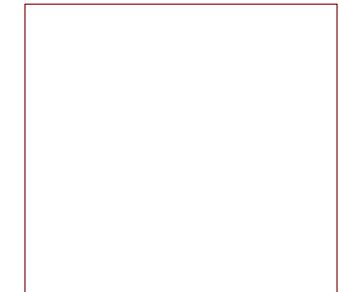
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Photo LED's



File: Photo_LEDs.kicad_sch

UV LED PCB



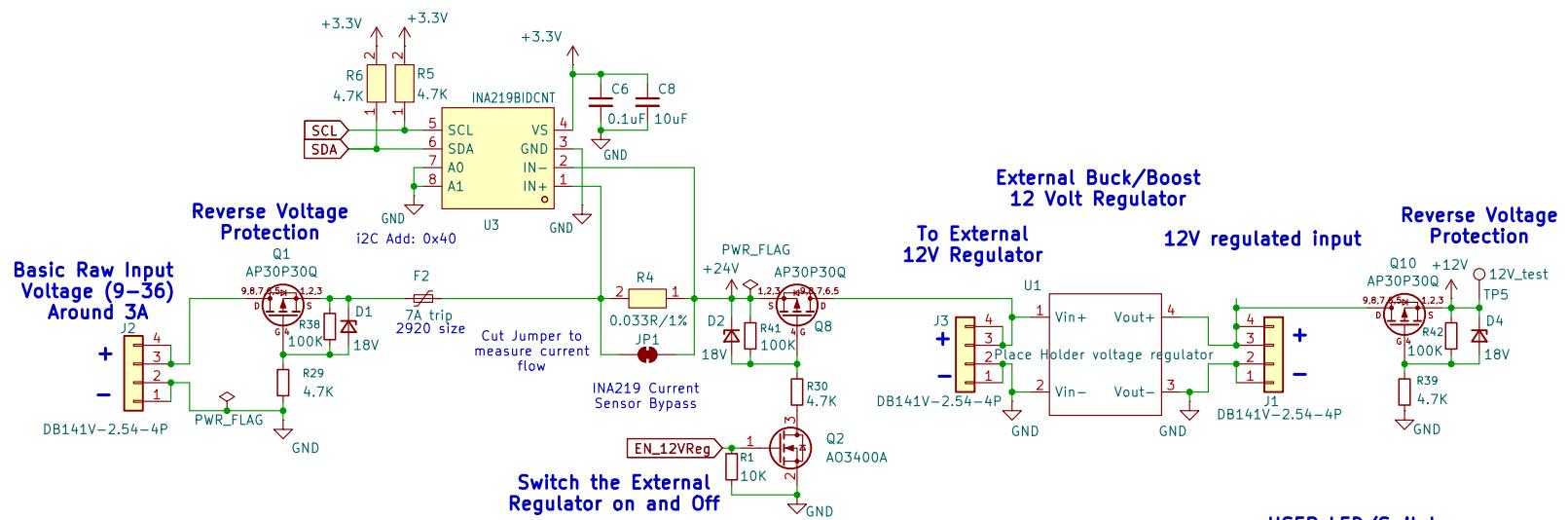
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C

D

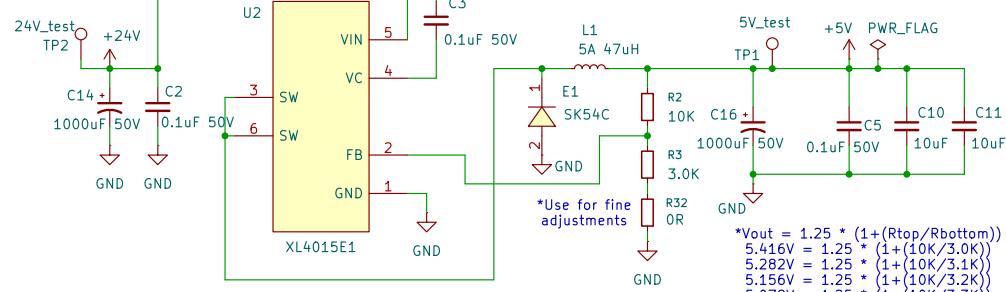
Digital Naturalism LaboratoriesSheet: /
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KiCad E.D.A. 9.0.6Rev: 5.0.4
Id: 1/7

Current and Voltage measurement

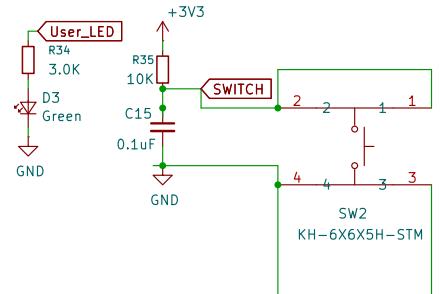


Buck Convertor (Input <9V–36V> PWR to +5.4V)

Up to 4A output at 5.4V



USER LED/Switch



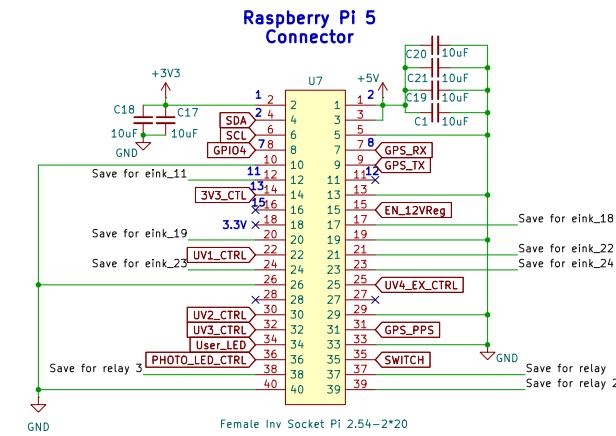
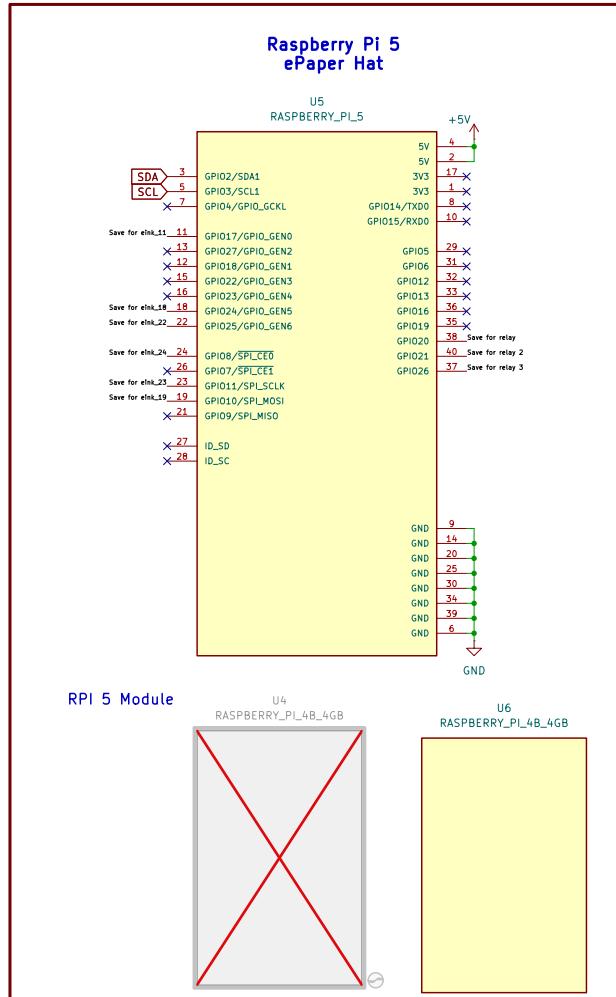
Digital Naturalism Laboratories

Sheet: /Power/
File: Power.kicad_sch

Title: MothBox

Size: A4 Date: 2025-12-17
KiCad E.D.A. 9.0.6

Rev: 5.0.4
Id: 2/7



Digital Naturalism Laboratories

Sheet: RP15/

File: RP15.kicad_sch

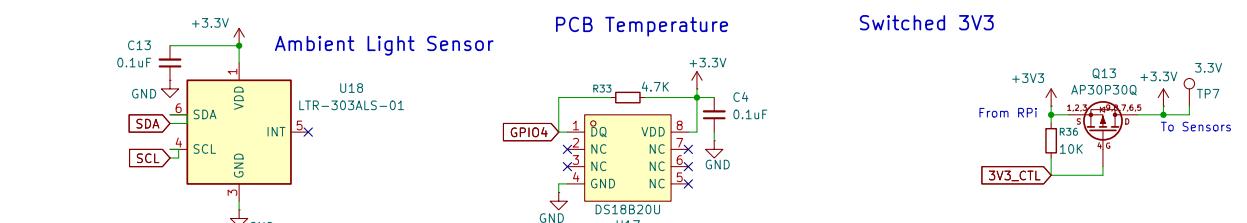
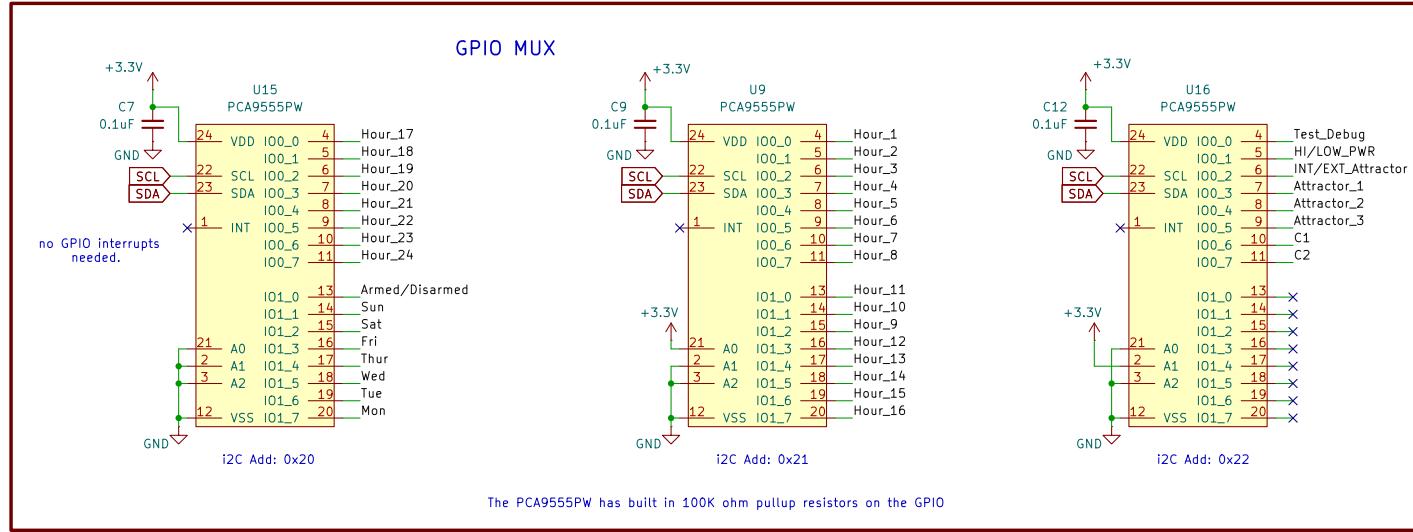
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Size: User Date: 2025-12-17

KiCad E.D.A. 9.0.6

Rev: 5.0.4

Id: 3/7

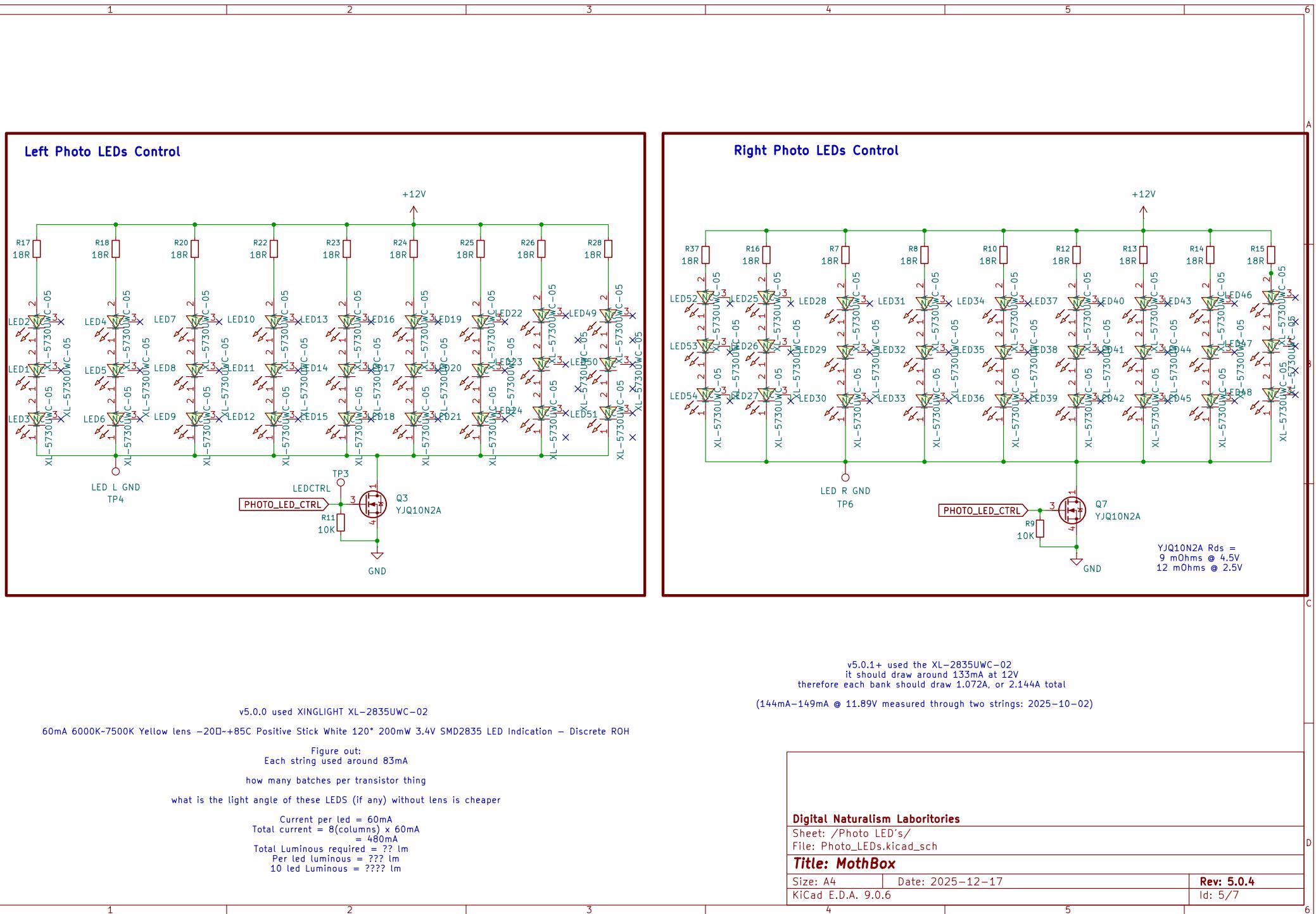


and Parkview
Digital Naturalism Laboratories

Title: MothBox

Size: User Date: 2025-12-17

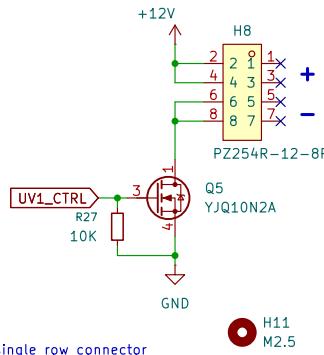
KiCad E.D.A. 9.0.6 | Id: 4/7



A

UV PCB1 Control Circuit

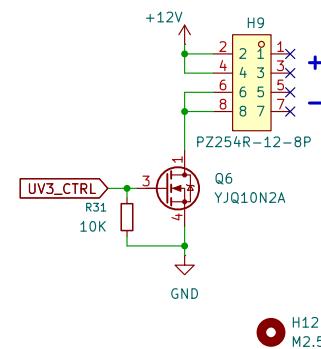
UV PCB1 current consumtiom = 500mA



B

UV PCB3 Control Circuit

UV PCB3 current consumtiom = 500mA

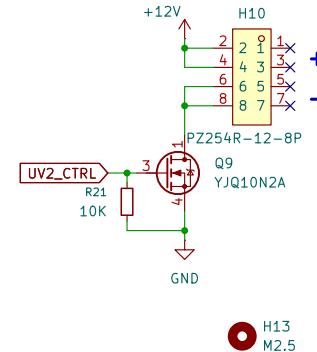


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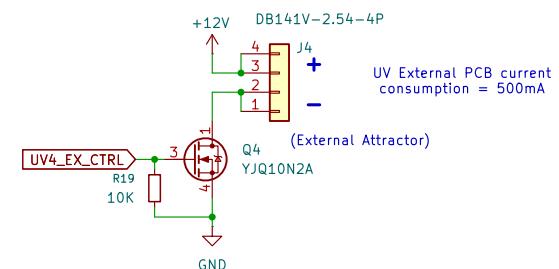
B

UV PCB2 Control Circuit

UV PCB2 current consumtiom = 500mA



C

UV External Attractor

B

D

Digital Naturalism LaboratoriesSheet: /UV LED PCB/
File: UV_LED_PCB.kicad_sch**Title: MothBox**Size: A4 | Date: 2025-12-17
KiCad E.D.A. 9.0.6Rev: 5.0.4
Id: 6/7

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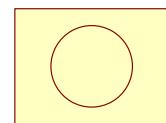
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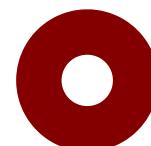
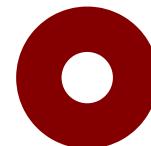
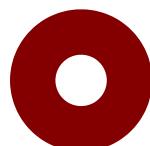
A

A

U19
graphicMothBox_footprints.library:TalentCB1
graphic

B

B

H2
MountingHole_1/4inboltH3
MountingHole_1/4inboltH4
MountingHole_1/4inboltH5
MountingHole_1/4inboltH6
MountingHole_1/4inboltH7
MountingHole_1/4inbolt

C

C

D

D

and Parkview
Digital Naturalism Laboratories

Sheet: /camera battery and mechanical/
File: camera.kicad_sch

Title: MothBox

Size: A4 Date: 2025-12-17
KiCad E.D.A. 9.0.6

Rev: 5.0.4
Id: 7/7

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