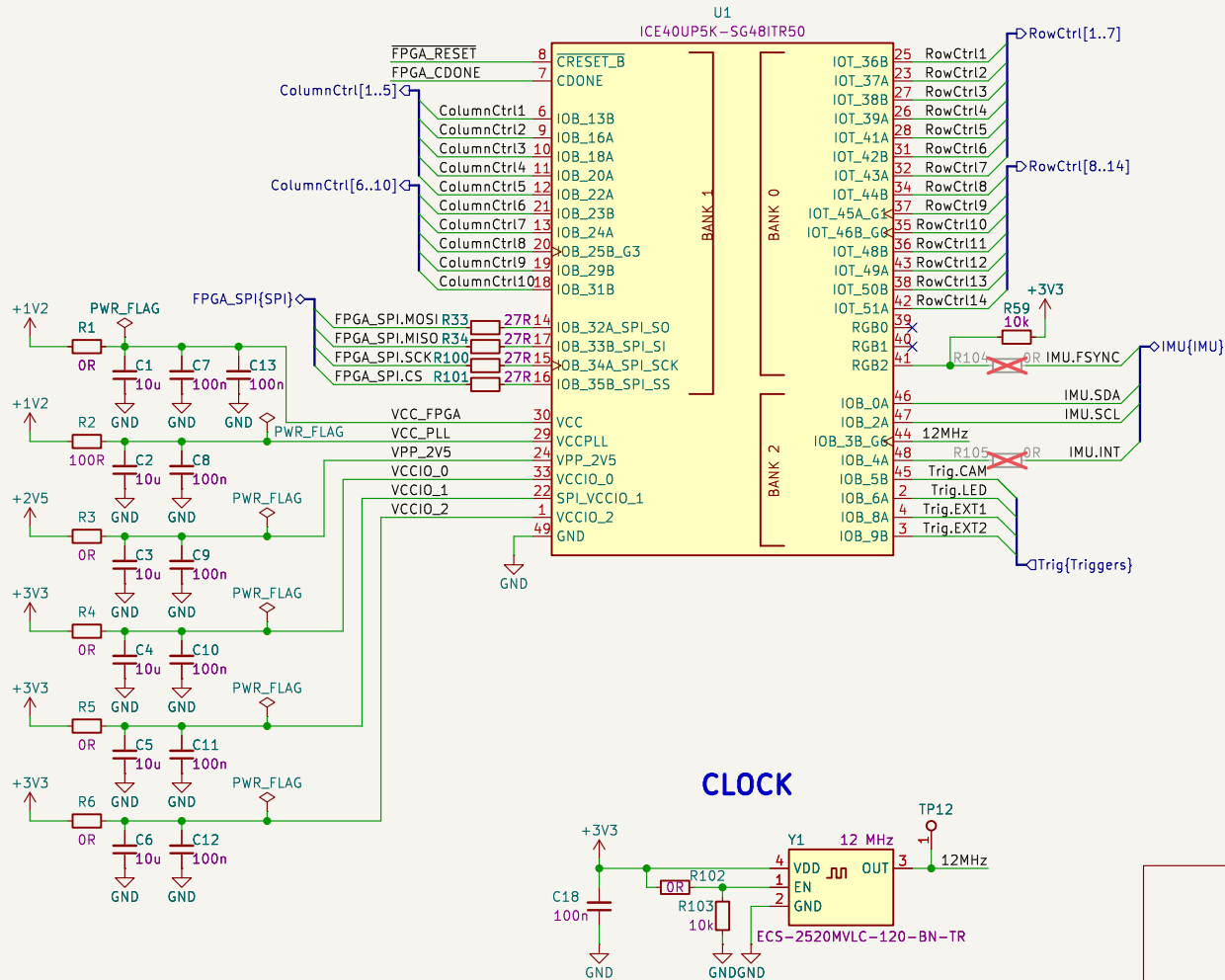
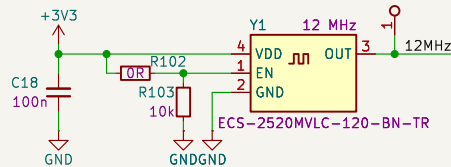


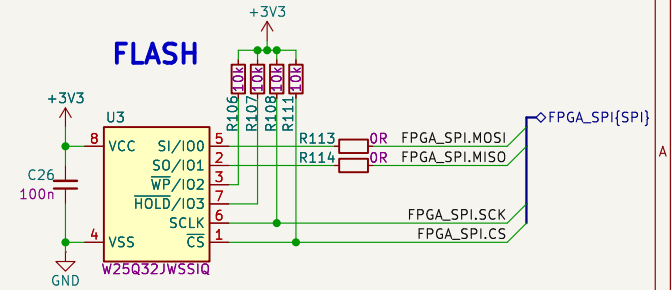
FPGA



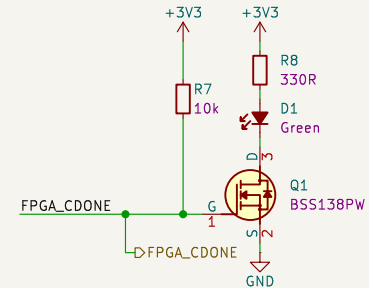
CLOCK



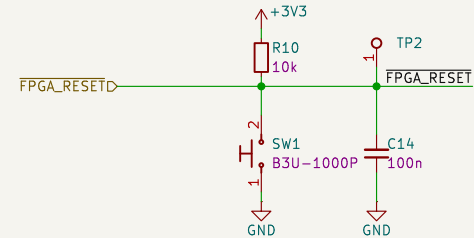
FLASH



CDONE STATUS



RESET



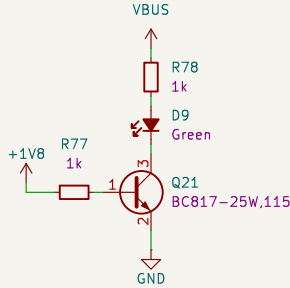
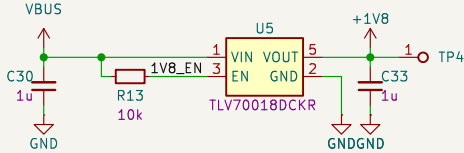
Sheet: /FPGA/
File: fpga.kicad_sch

Title: LED Panel Board

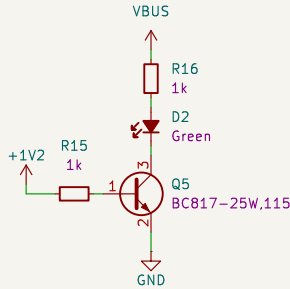
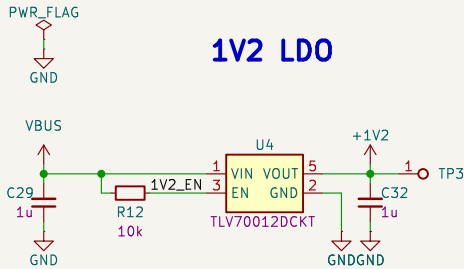
Size: A4 Date: 2025-01-31
KiCad E.D.A. 8.0.7

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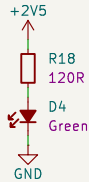
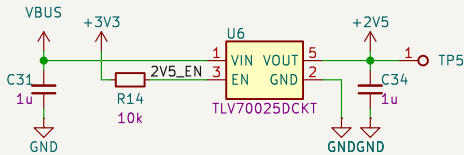
1V8 LDO



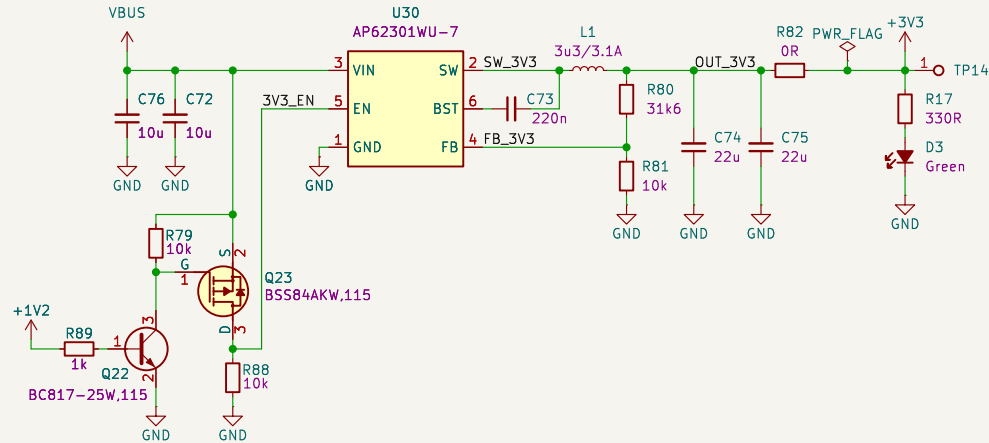
1V2 LDO



2V5 LDO



3V3 DC-DC



Power-up sequence: +5V => +1V2 => +3V3 => +2V5

Sheet: /Supply/
File: supply.kicad_sch

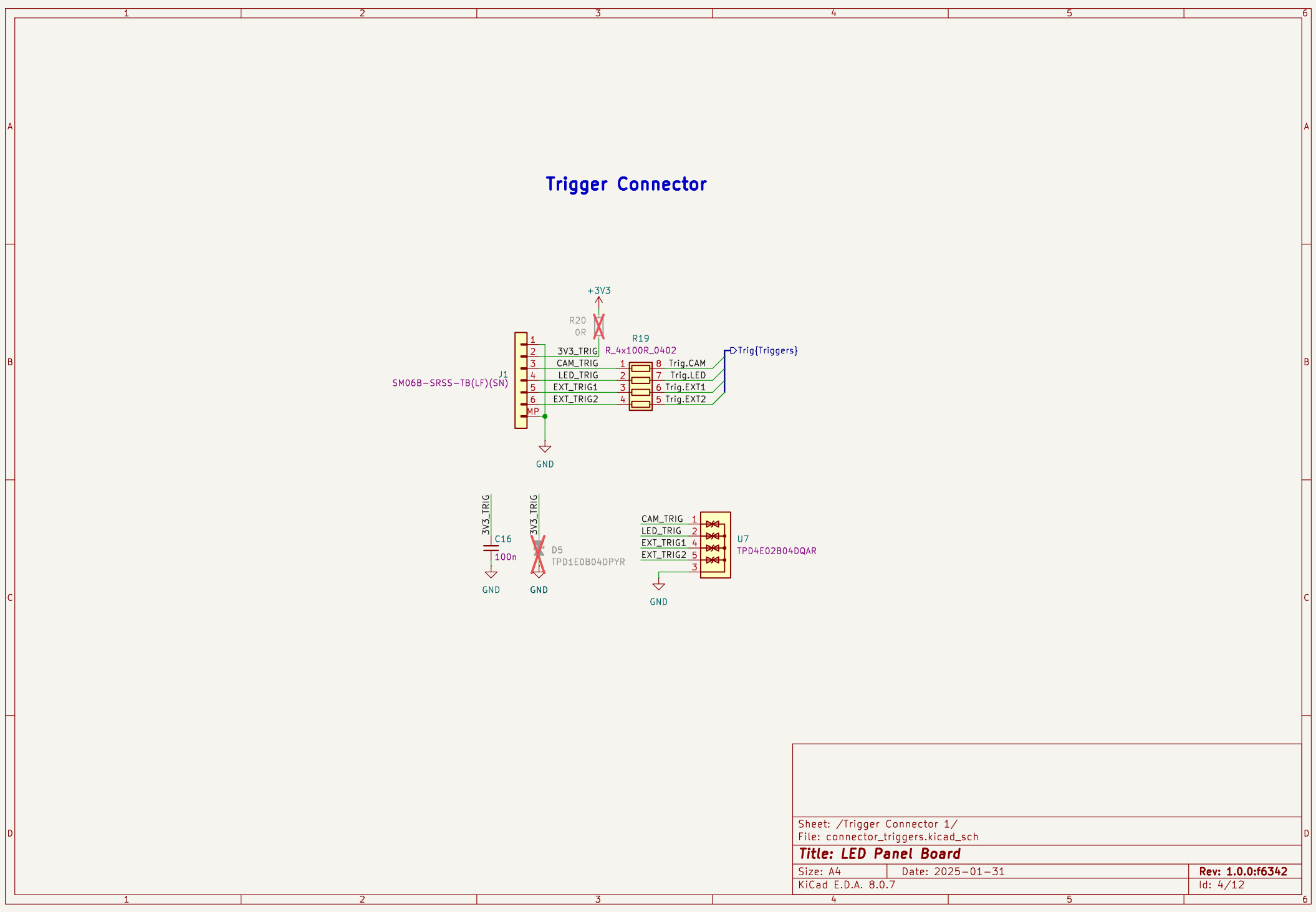
Title: LED Panel Board

Size: A4 Date: 2025-01-31

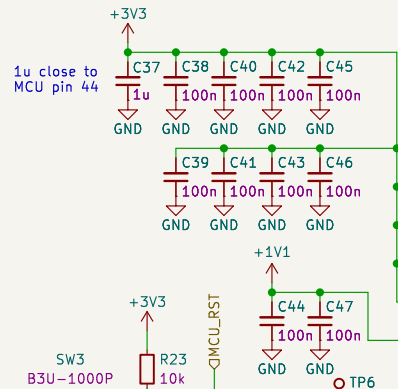
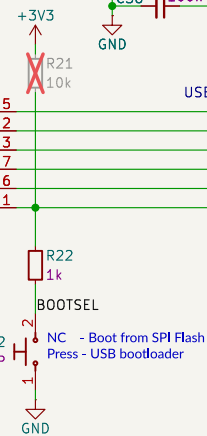
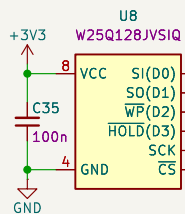
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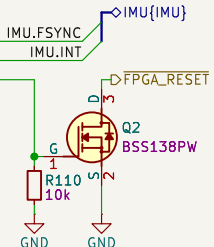
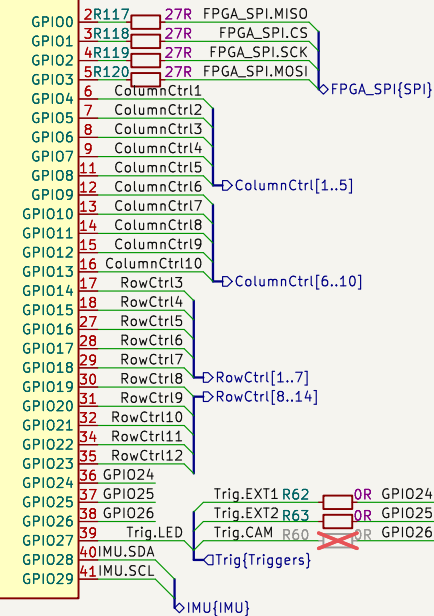
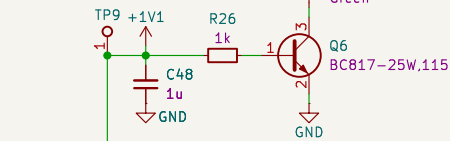
[illegible]

SPI FLASH



MCU

U9
RP2040



Sheet: /MCU/

File: uc_rp2040.kicad_sch

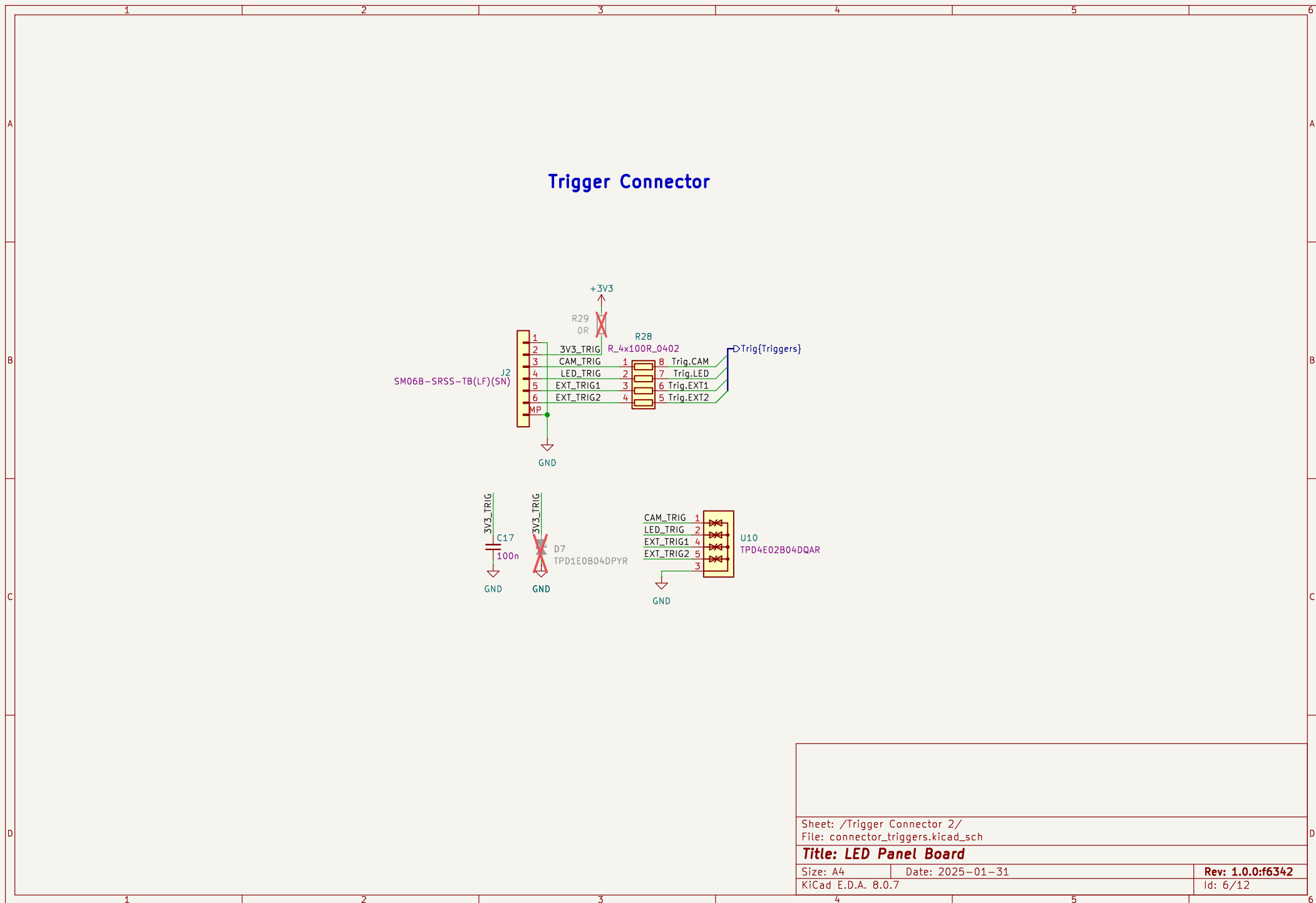
Title: LED Panel Board

Size: A4 Date: 2025-01-31

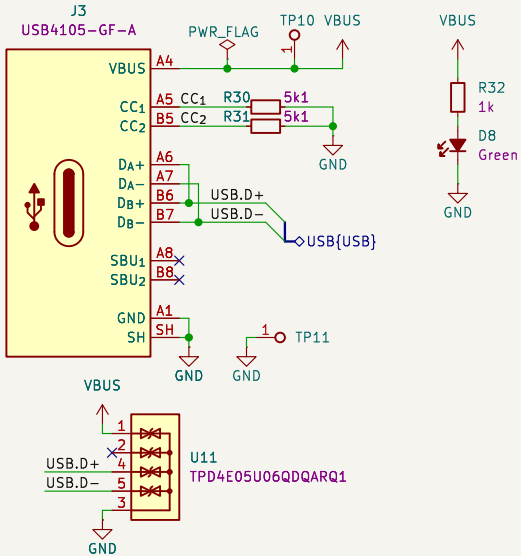
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USB-C Connector



Sheet: /USB/
File: USB.kicad_sch

Title: LED Panel Board

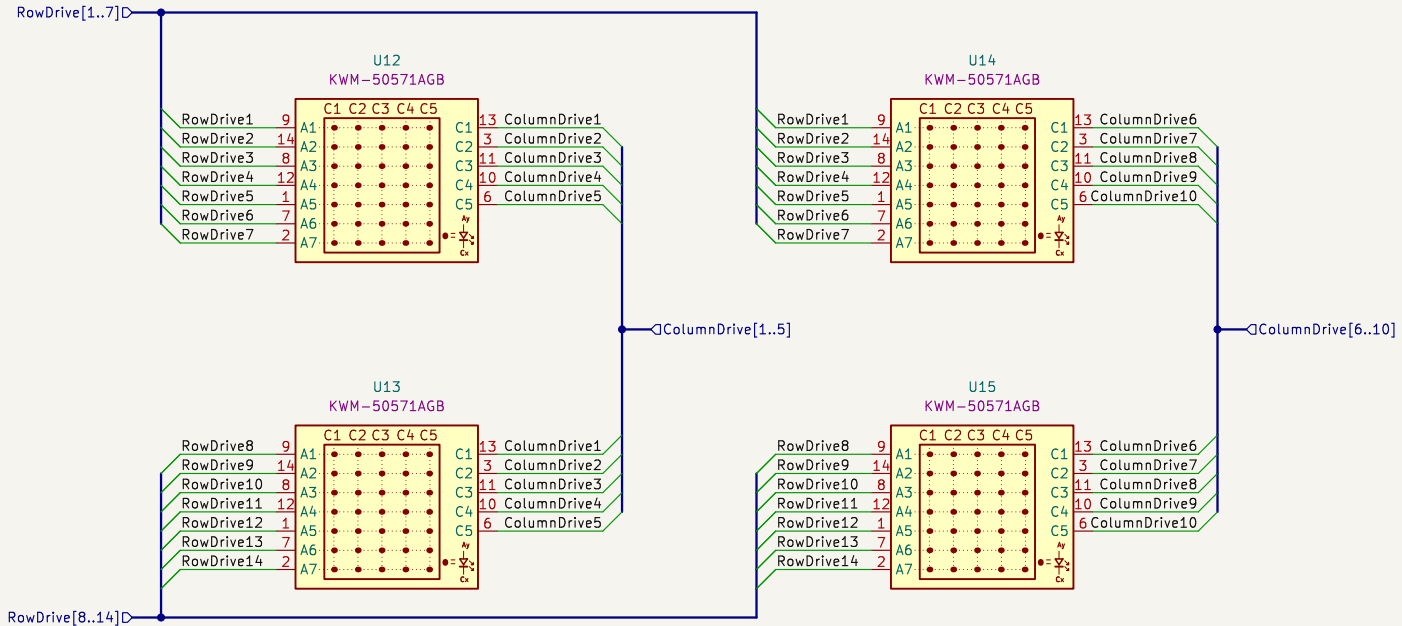
Size: A4	Date: 2025-01-31
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KiCad E.D.A. 8.0.7

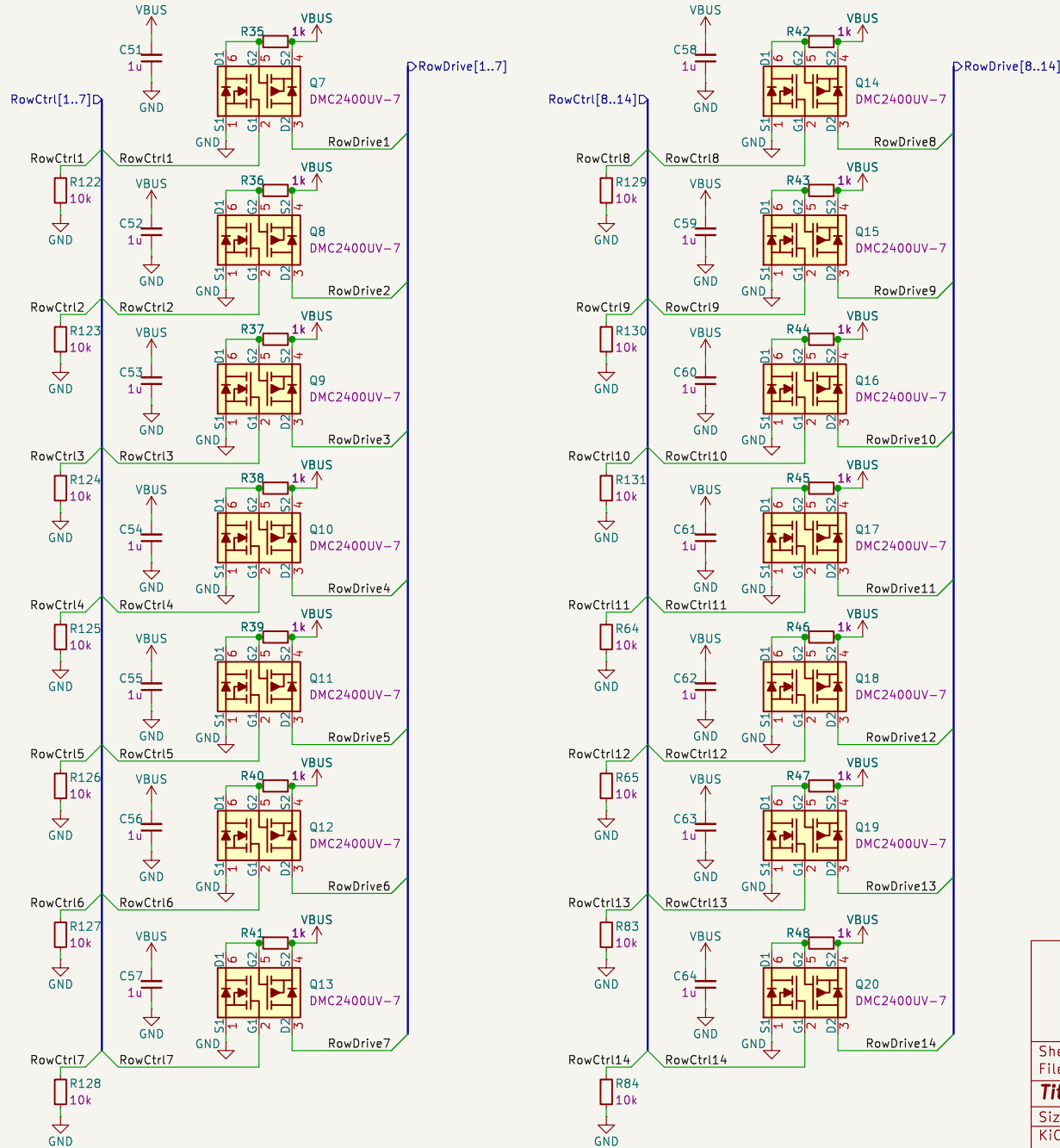
Rev: 1.0.0:f6342

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LED Matrices



High Side LED Drivers



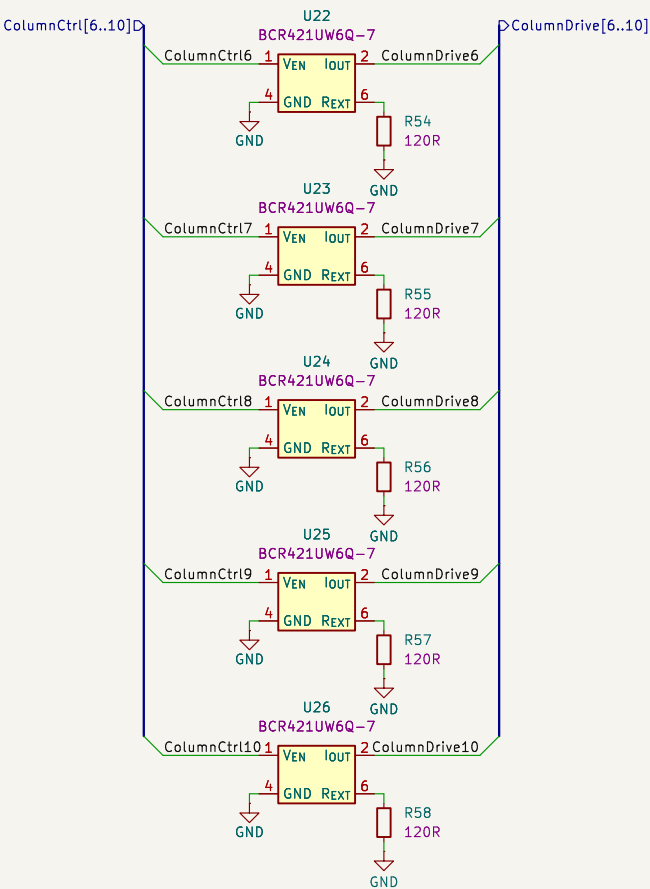
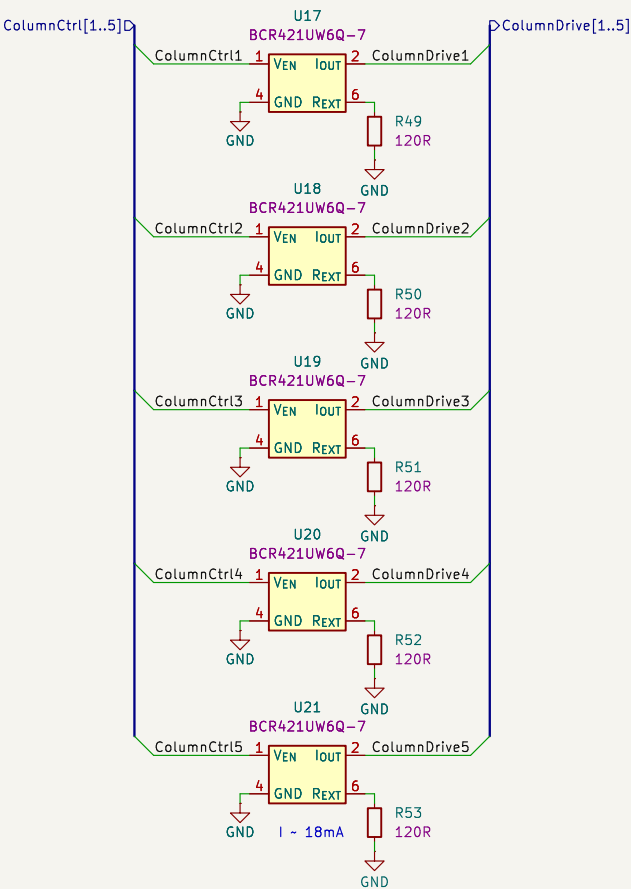
Sheet: /Matrix High Side Driver/
File: matrix_high_side_drive.kicad_sch

Title: LED Panel Board

Size: A4 Date: 2025-01-31
KiCad E.D.A. 8.0.7

Rev: 1.0.0:f6342
Id: 10/12

Low Side LED Drivers



Sheet: /Matrix Low Side Driver/
File: matrix_low_side_drive.kicad_sch

Title: LED Panel Board

Size: A4 Date: 2025-01-31

KiCad E.D.A. 8.0.7

Rev: 1.0.0:f6342

Id: 11/12



