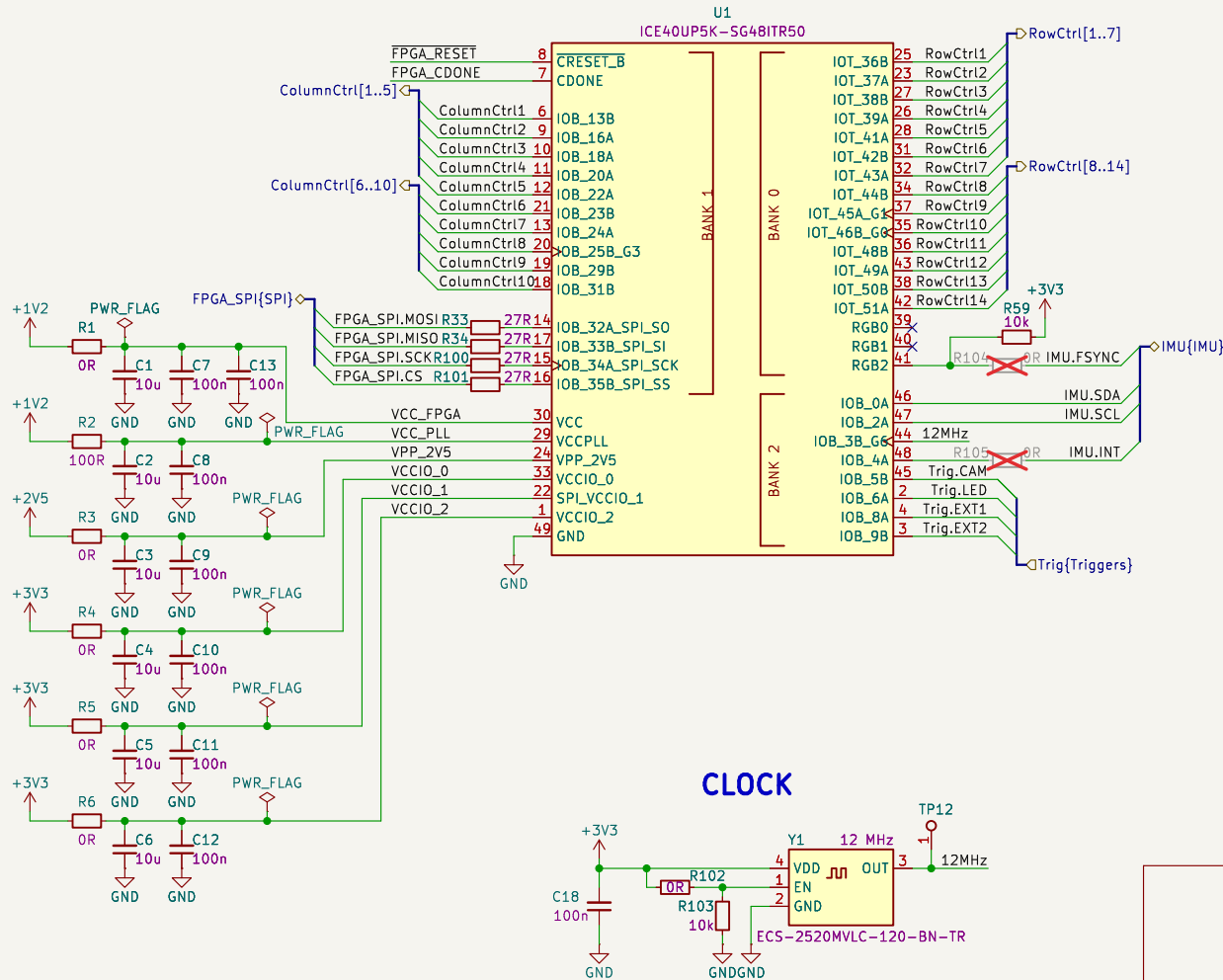
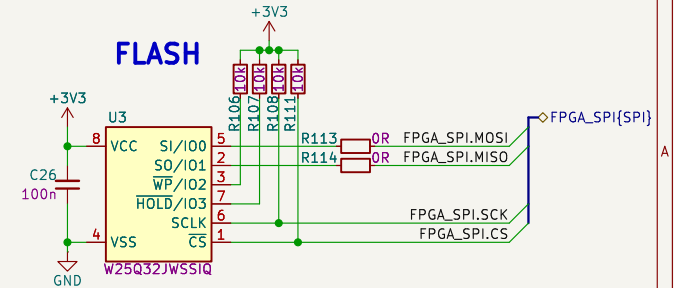


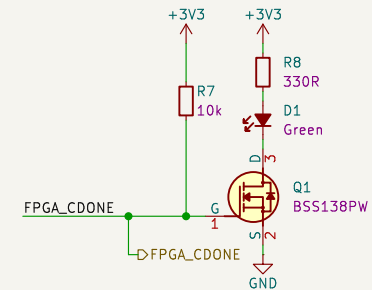
FPGA



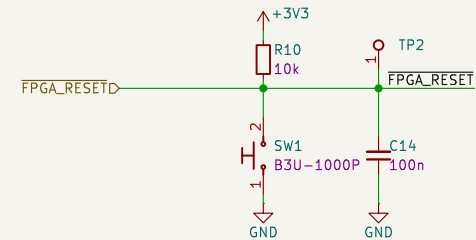
FLASH



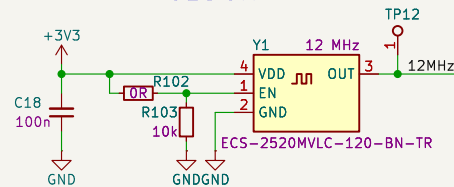
CDONE STATUS



RESET



CLOCK



Sheet: /FPGA/
File: fpga.kicad_sch

Title: LED Panel Board

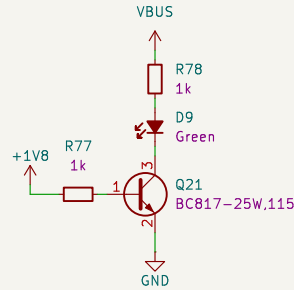
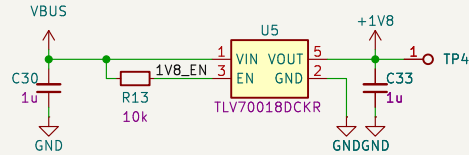
Size: A4 Date: 2025-01-31

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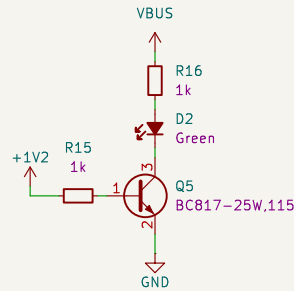
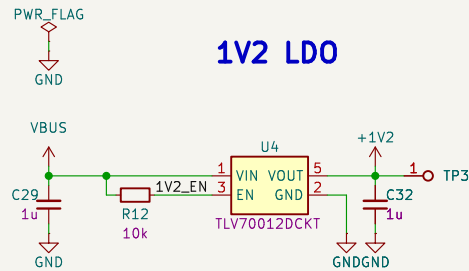
Rev: 1.0.0

Id: 2/12

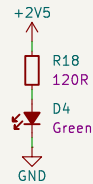
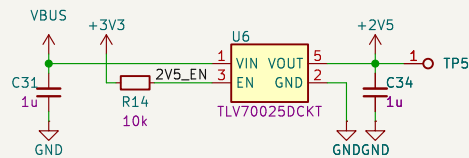
1V8 LDO



1V2 LDO

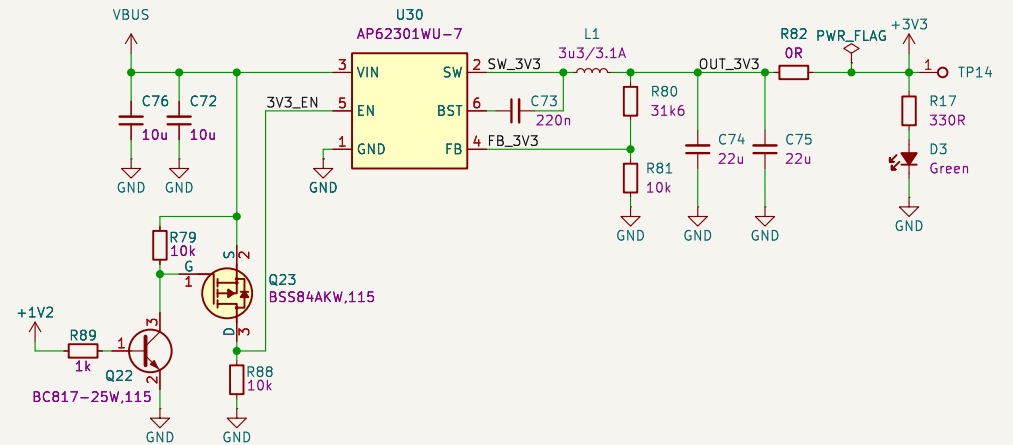


2V5 LDO



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

3V3 DC-DC



Sheet: /Supply/
File: supply.kicad_sch

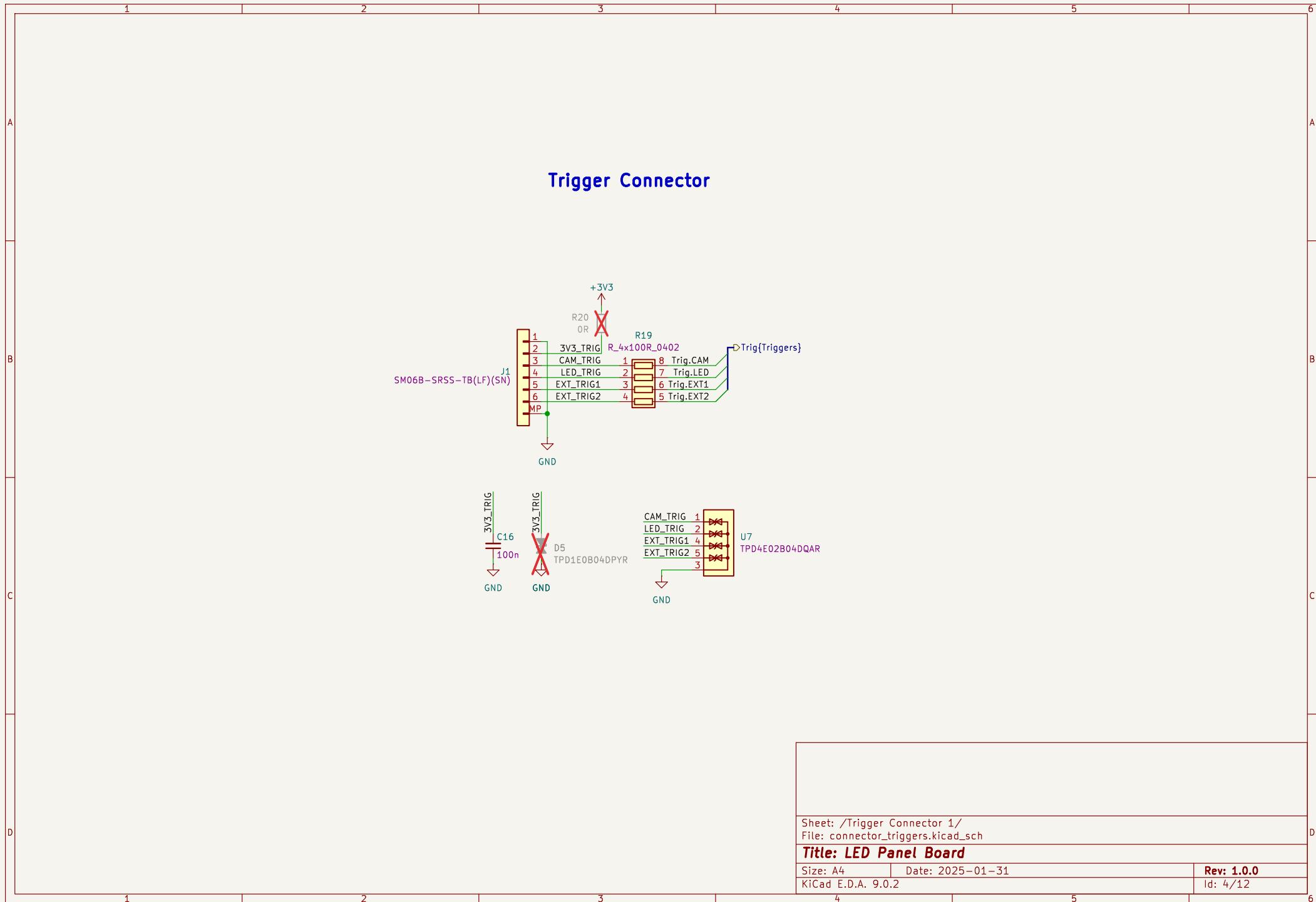
Title: LED Panel Board

Size: A4 Date: 2025-01-31

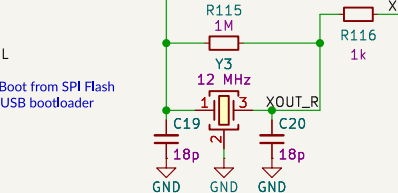
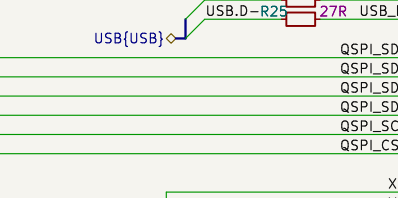
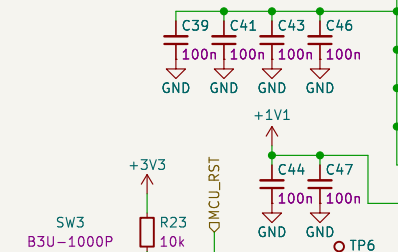
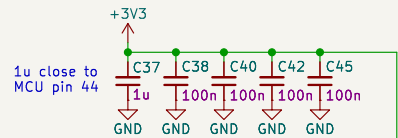
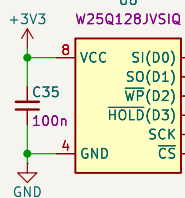
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Id: 3/12

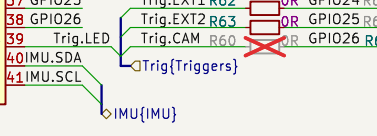
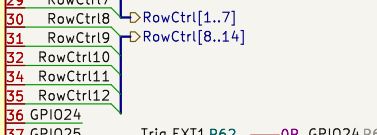
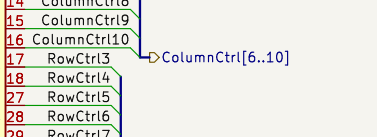
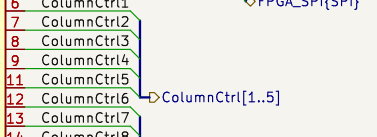
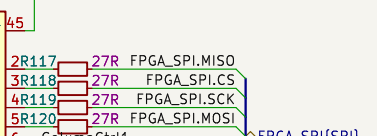
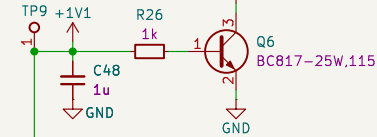
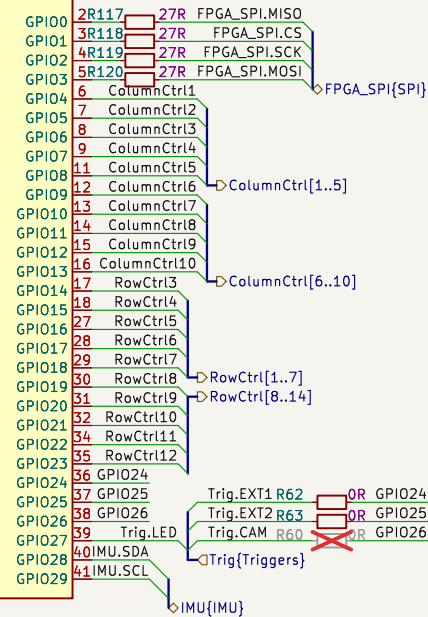


SPI FLASH



MCU

U9
RP2040



Sheet: /MCU/

File: uc_rp2040.kicad_sch

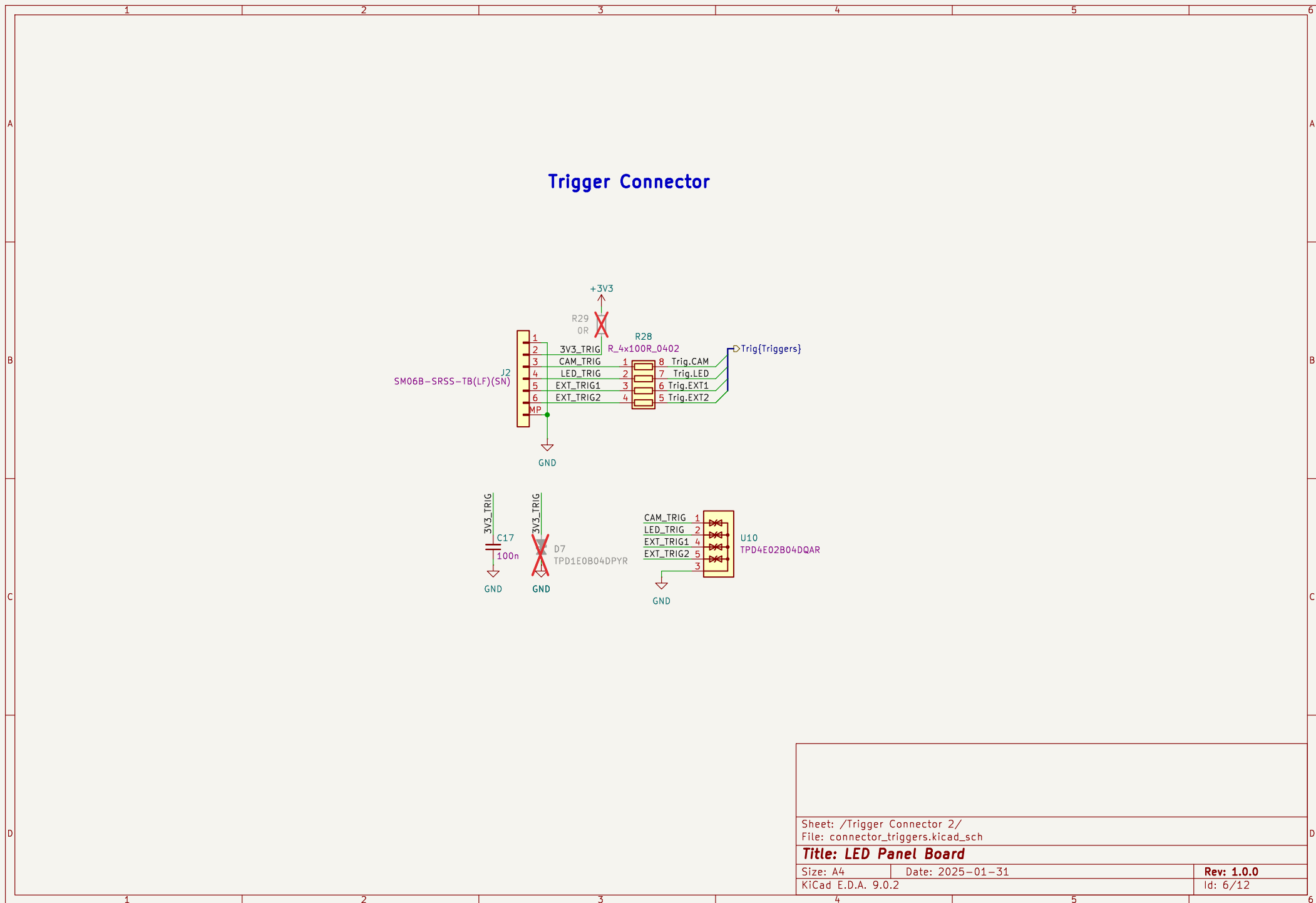
Title: LED Panel Board

Size: A4 Date: 2025-01-31

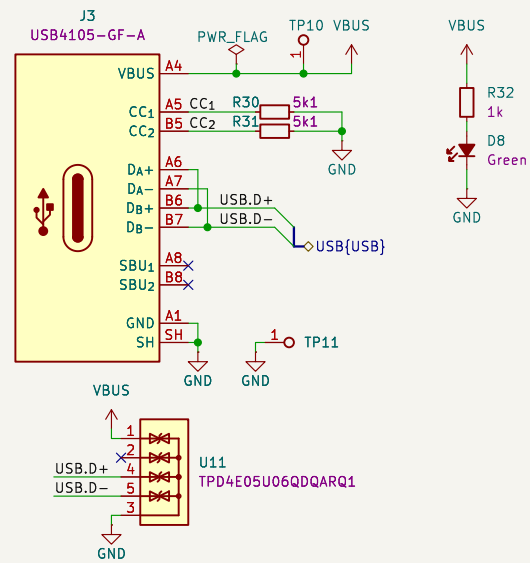
KiCad E.D.A. 9.0.2

Rev: 1.0.0

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USB-C Connector



Sheet: /USB/
File: USB.kicad_sch

Title: LED Panel Board

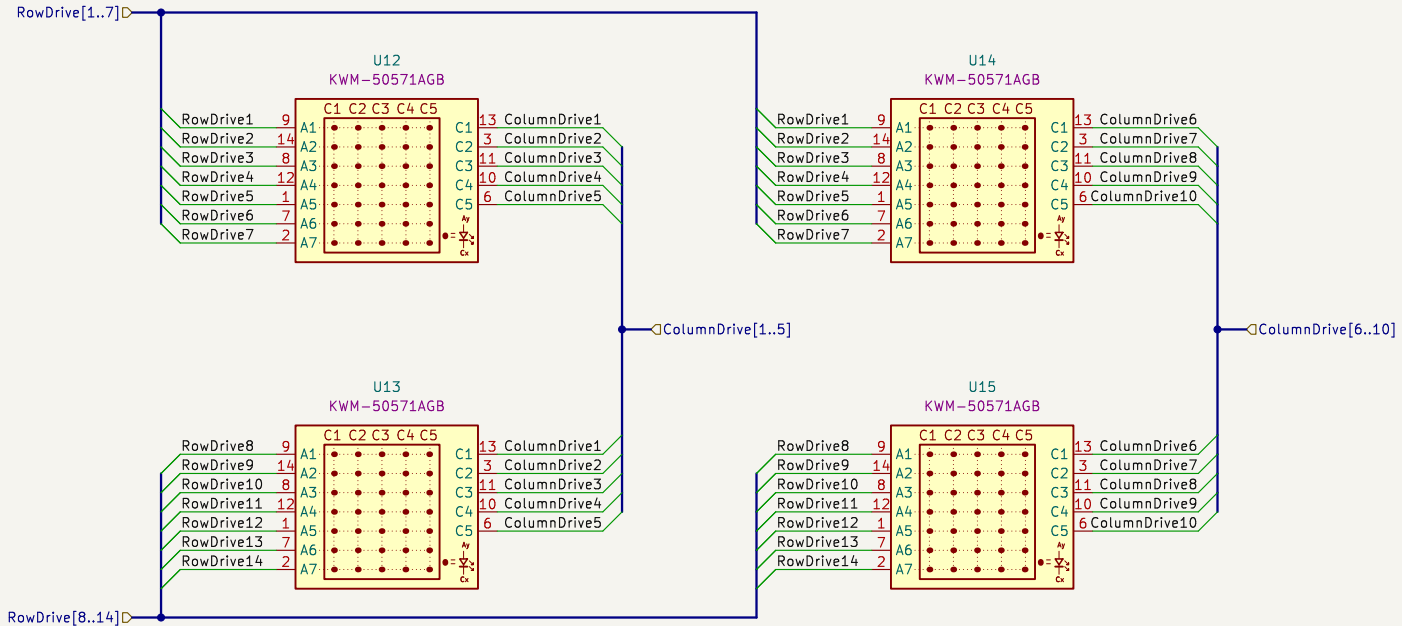
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KiCad E.D.A. 9.0.2

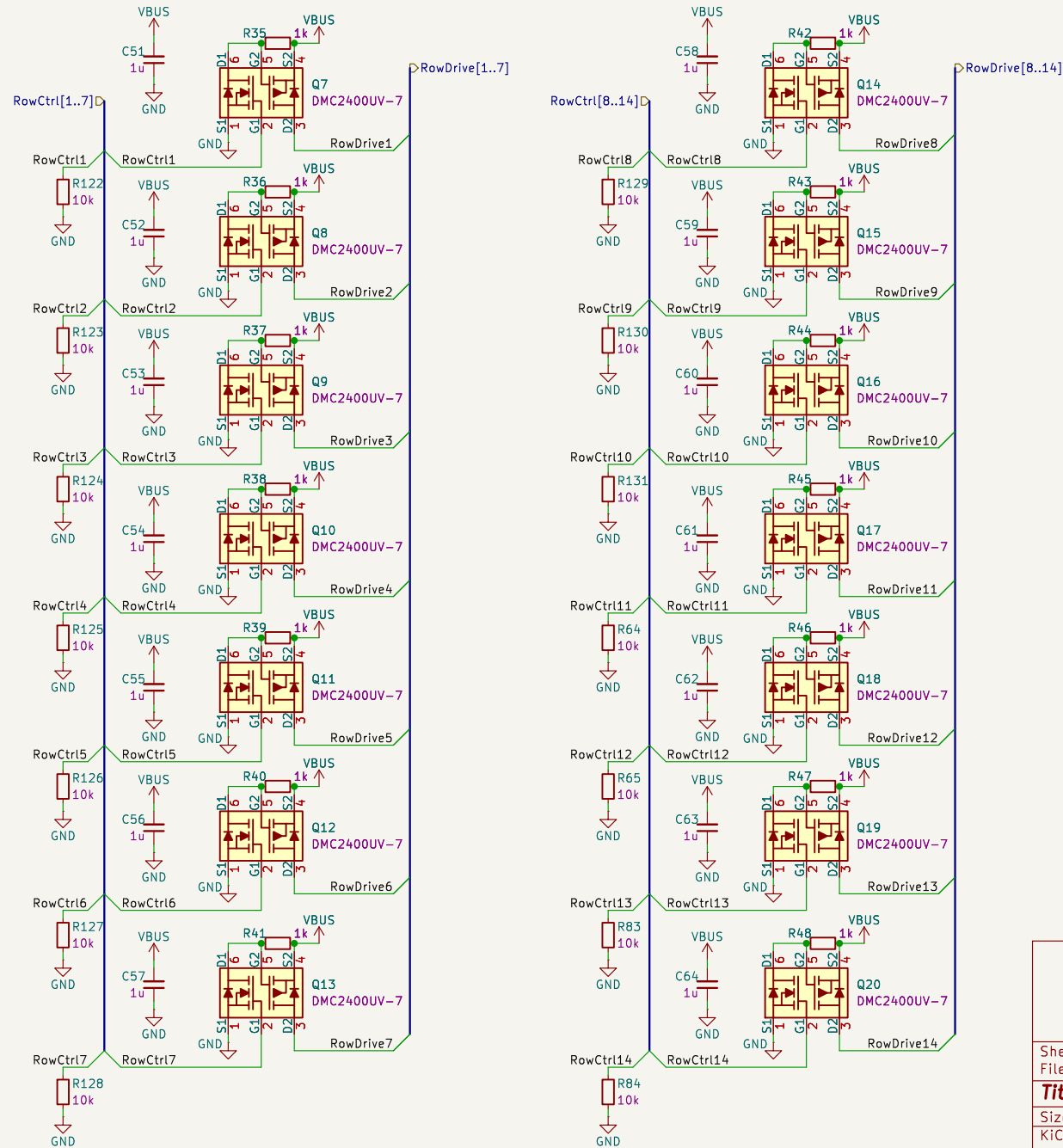
Rev: 1.0.0

Id: 7/12

LED Matrices



High Side LED Drivers



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

Title: LED Panel Board

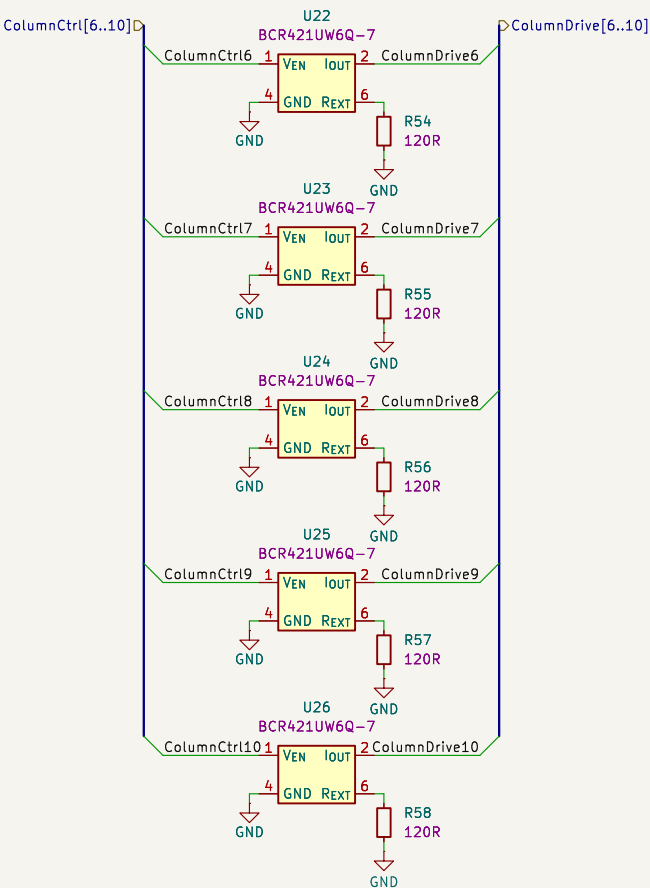
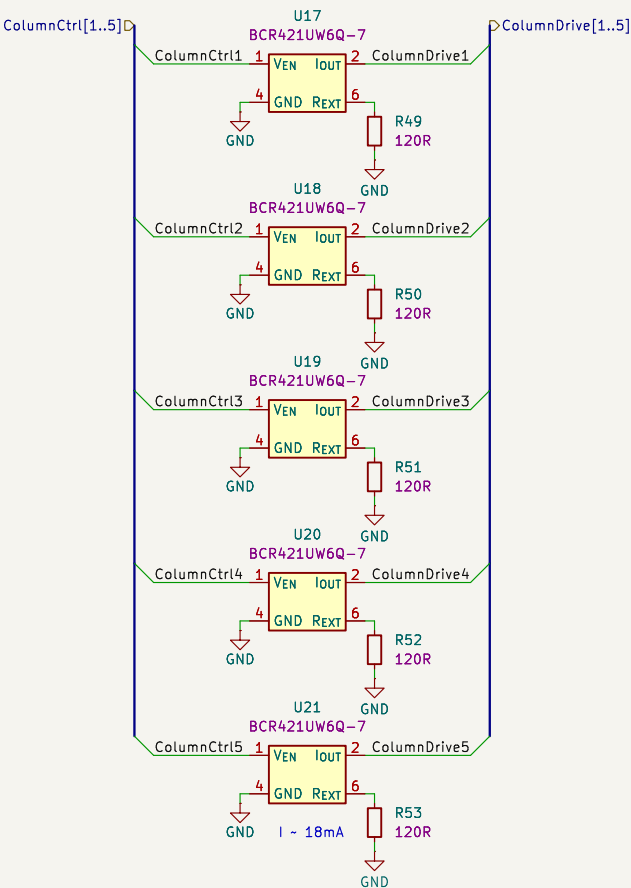
Size: A4 Date: 2025-01-31

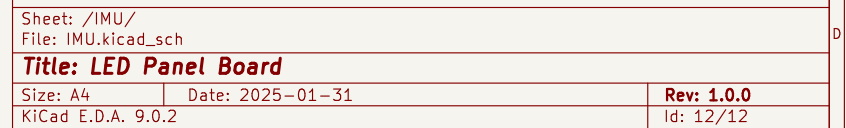
KiCad E.D.A. 9.0.2

Rev: 1.0.0

Id: 10/12

Low Side LED Drivers





Title: LED Panel Board

Title: LED Panel Board

Size: A4	Date: 2025
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Rev: 1.0.0

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