

LED Panel Controller

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Drew Maatman

Sheet: /

File: LED_Panel_Controller.sch

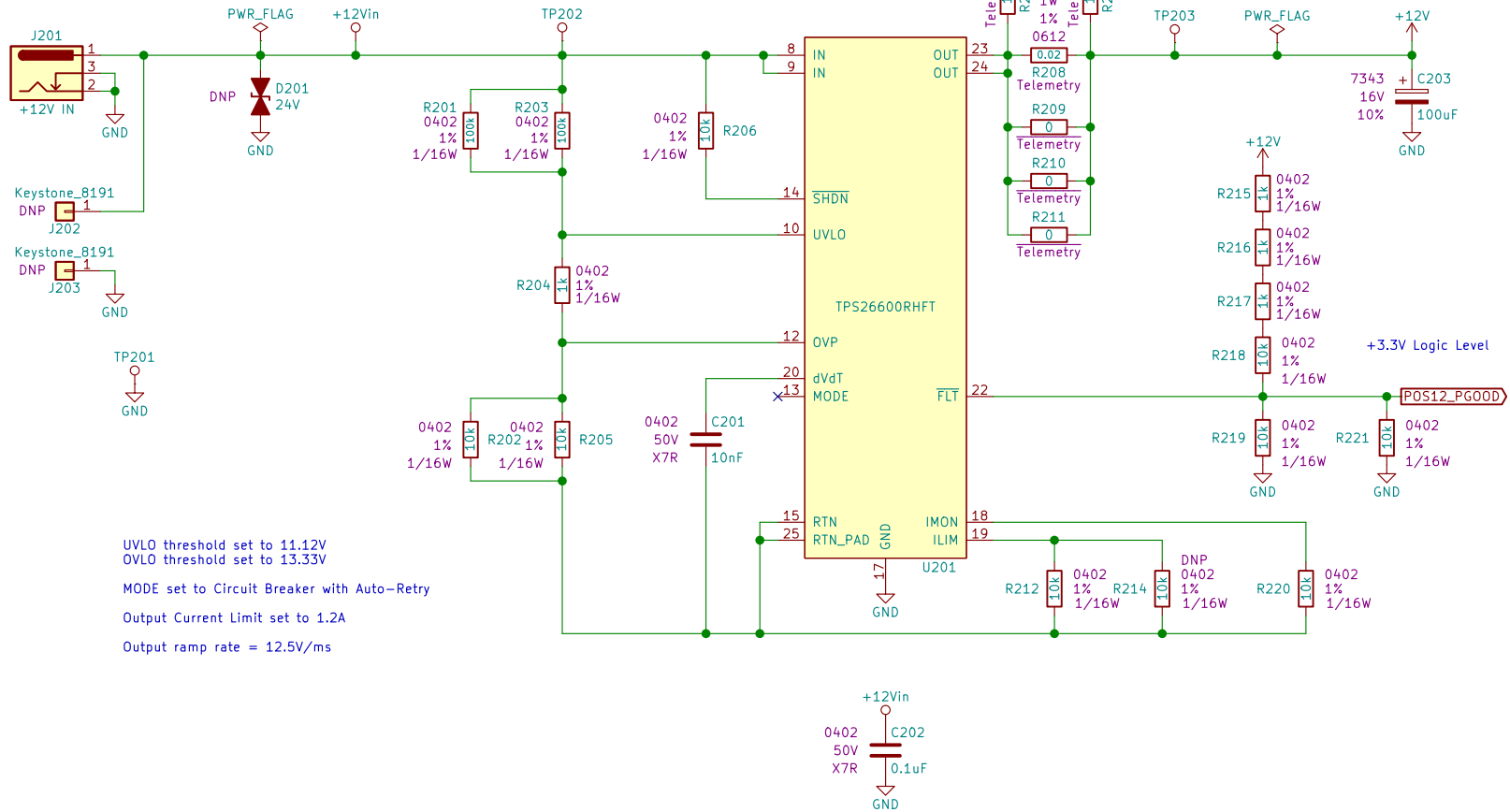
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Size: A Date: 2021-03-31

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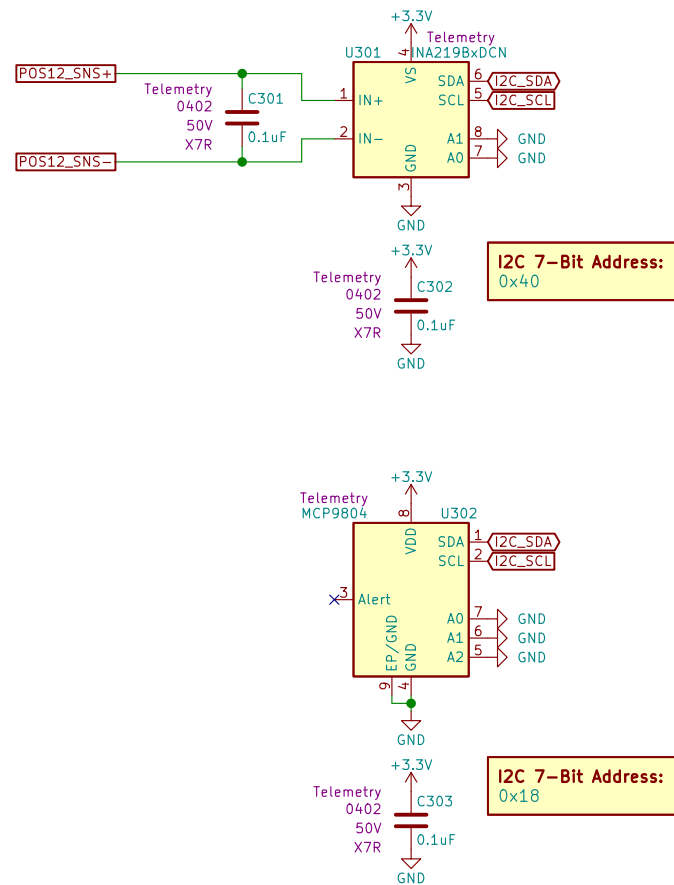
Drew Maatman

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Title: LED Panel Controller

Size: A Date: 2021-03-31
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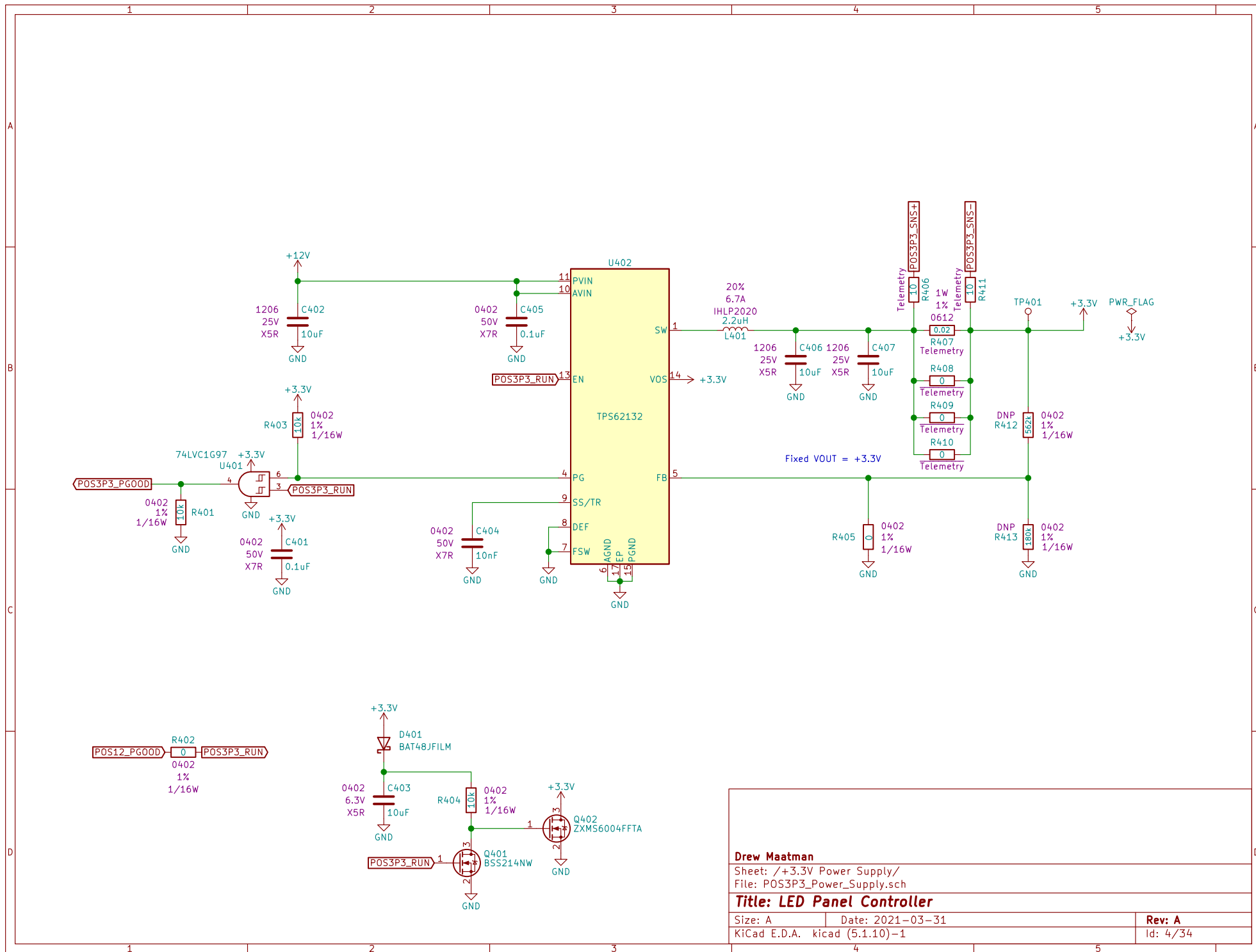
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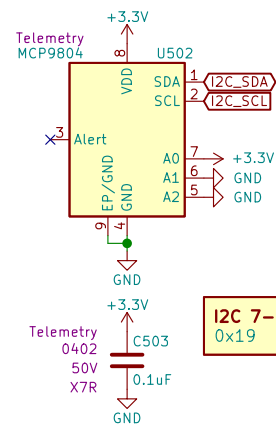
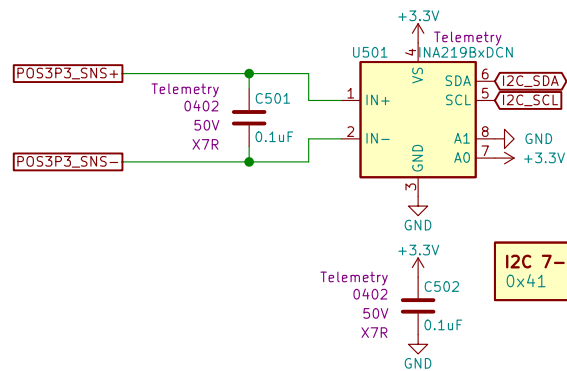
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Title: LED Panel Controller

Size: A Date: 2021-03-31
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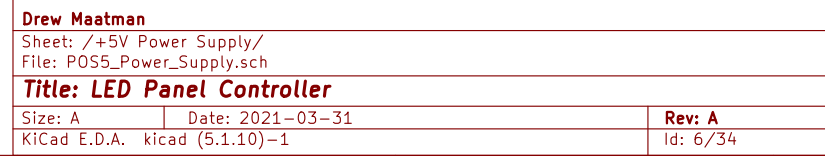
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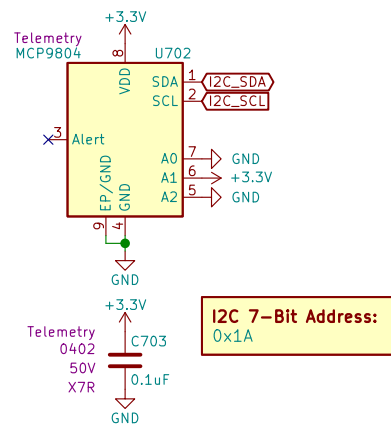
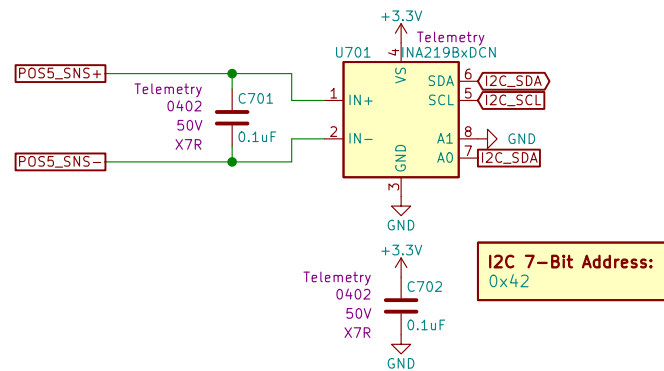
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Title: LED Panel Controller

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Sheet: /+5V Telemetry/

File: POS5_Telemetry.sch

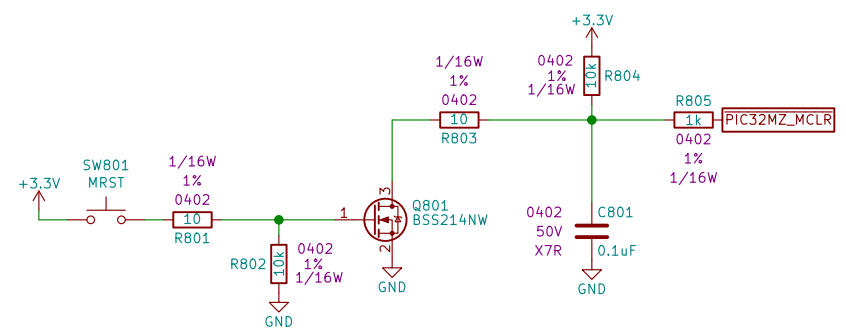
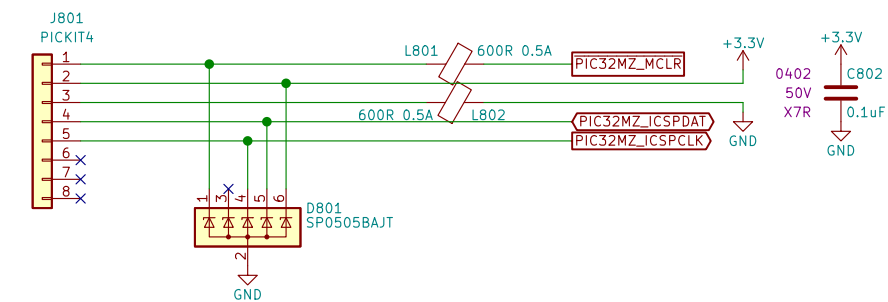
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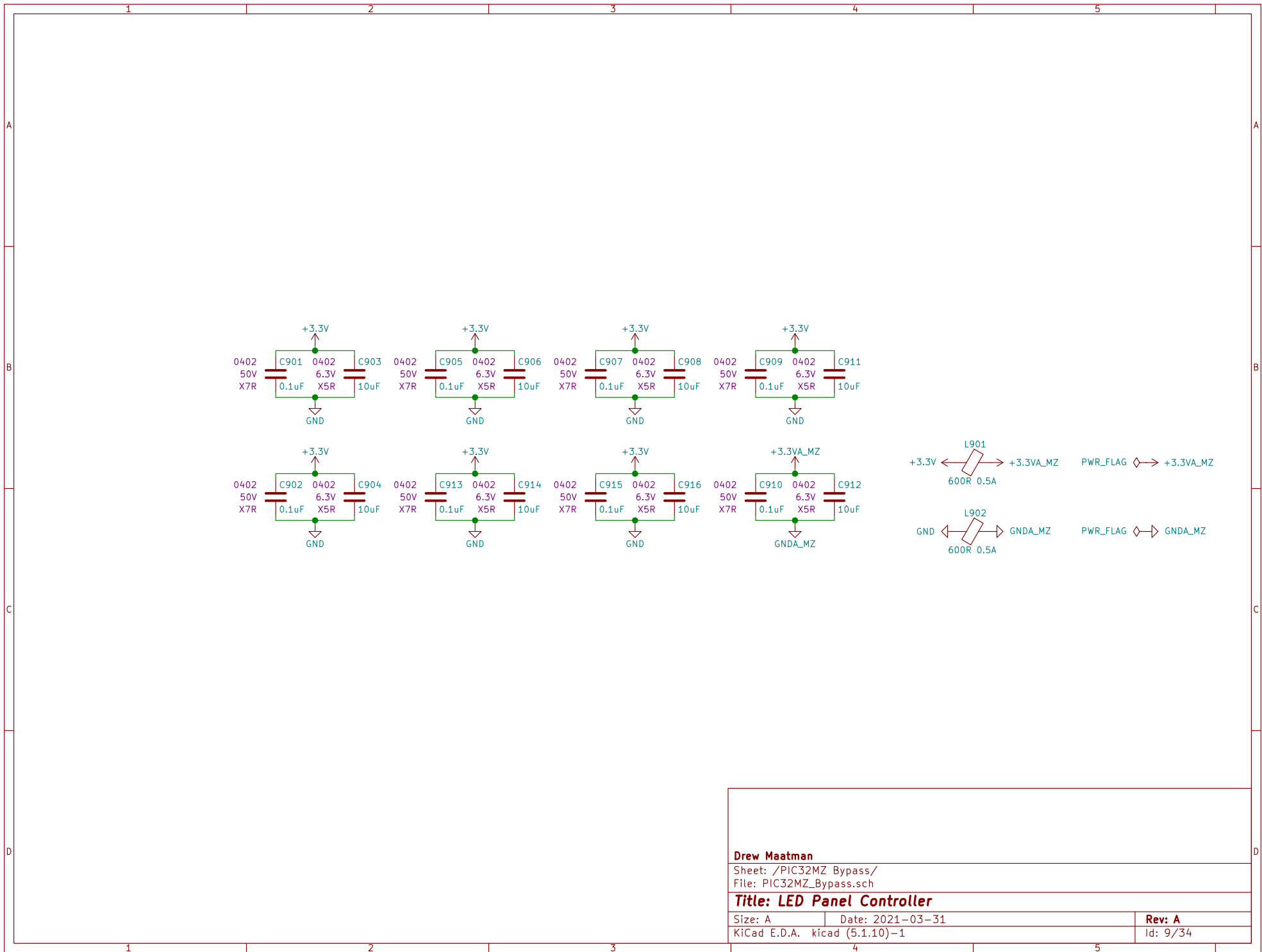
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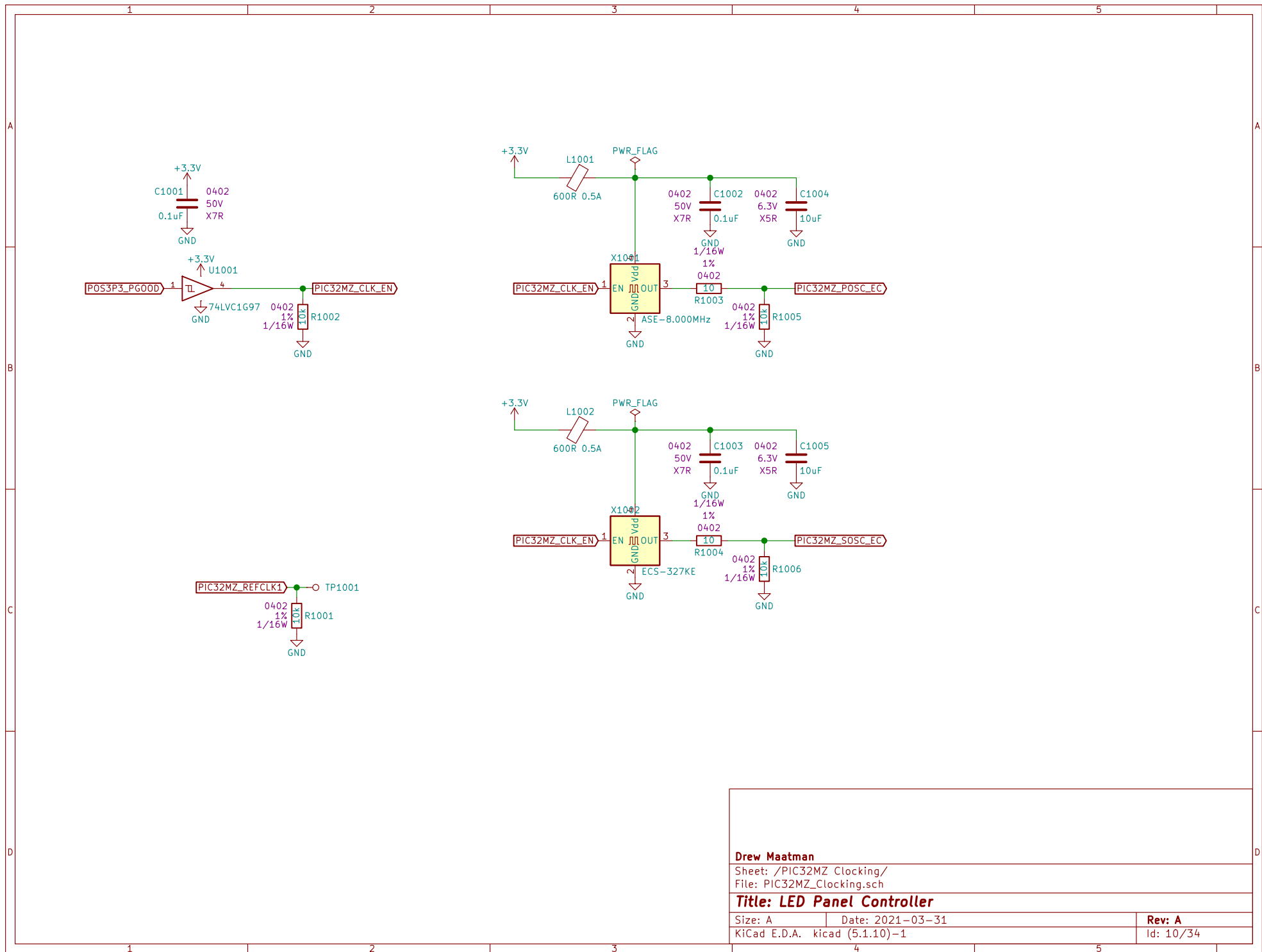
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Size: A Date: 2021-03-31
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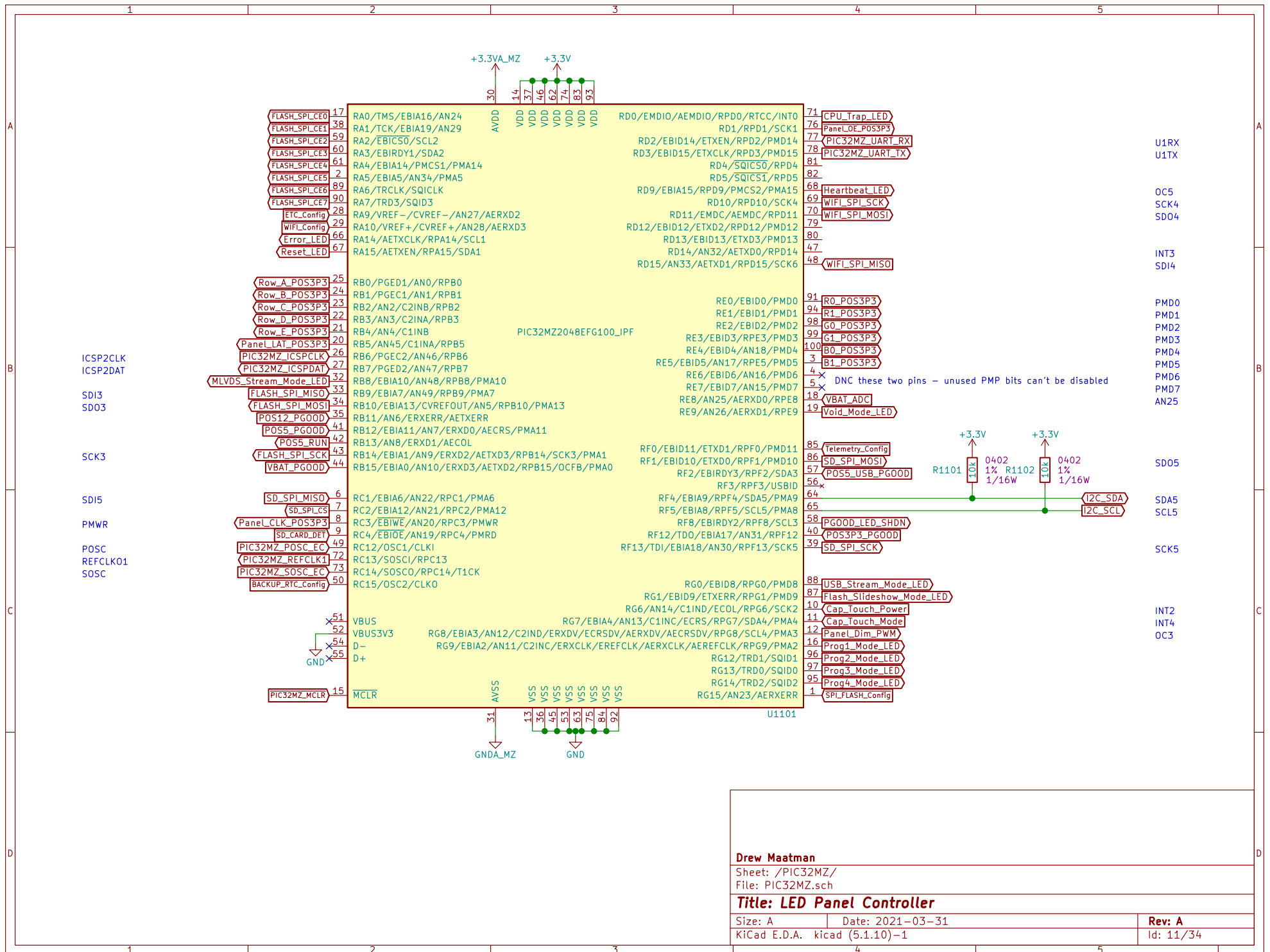
Drew Maatman

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File: PIC32MZ_Clocking.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
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Sheet: /PIC32MZ/
File: PIC32MZ.sch

Title: LED Panel Controller

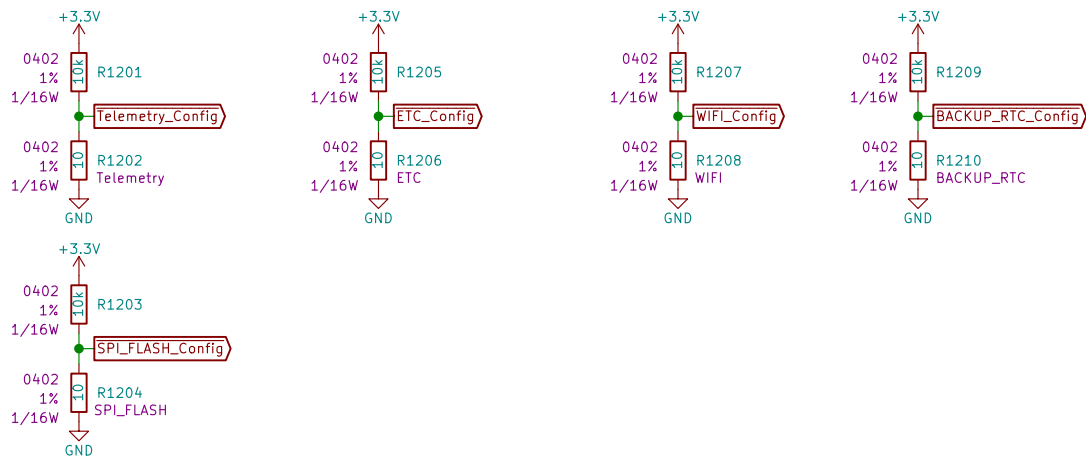
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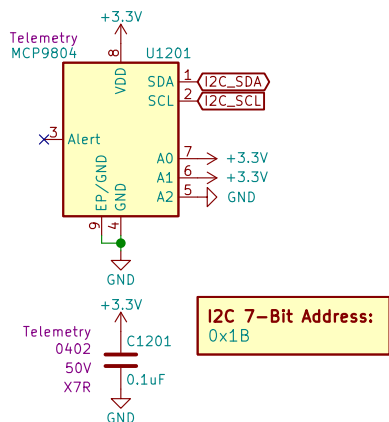
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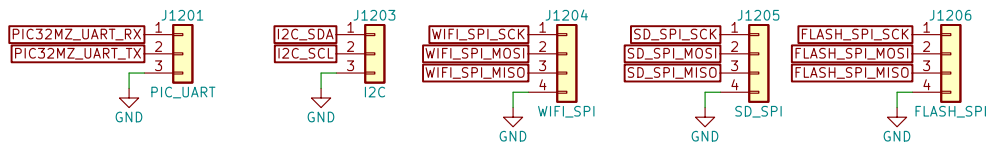
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Ambient Temp Sense



C

C



D

D

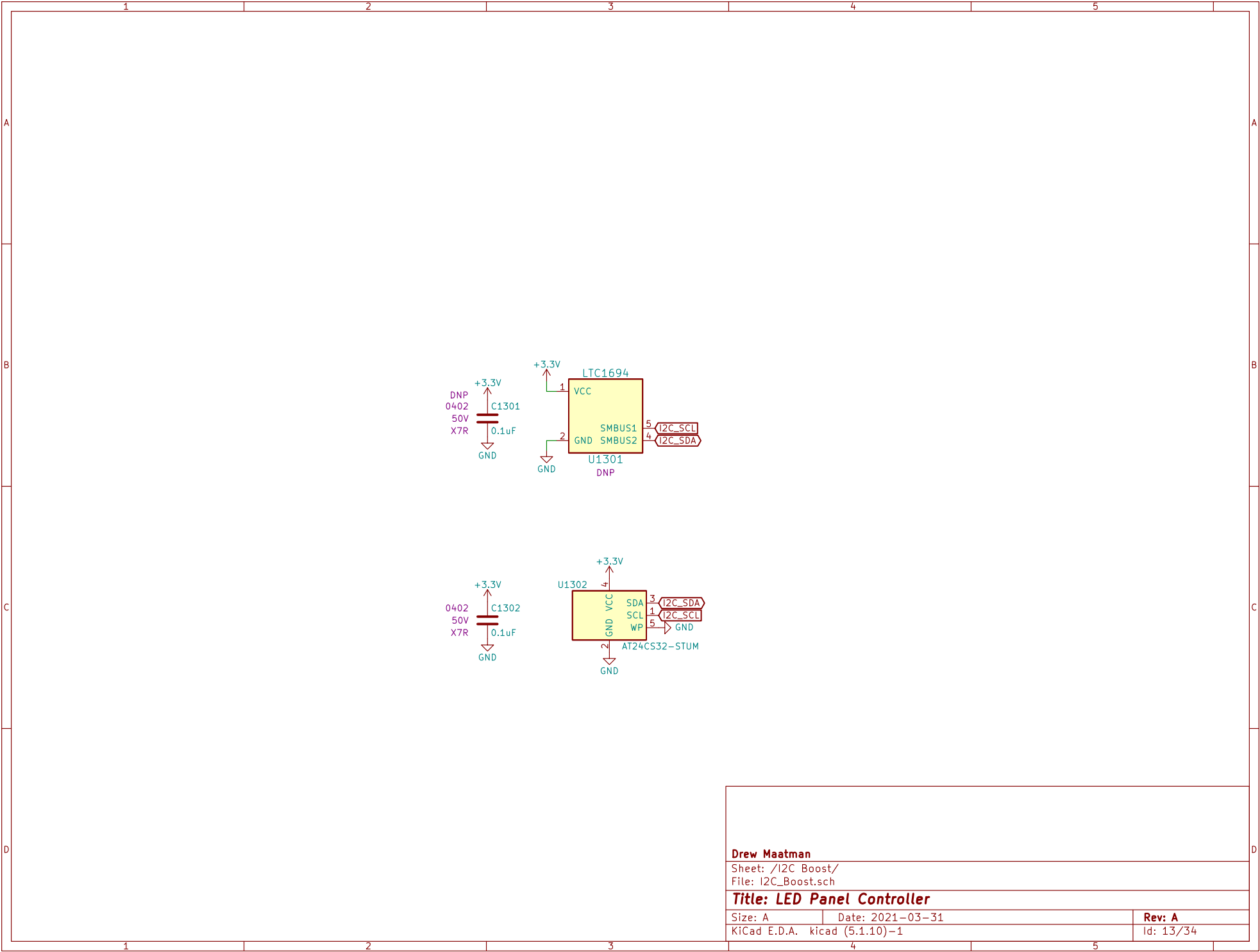
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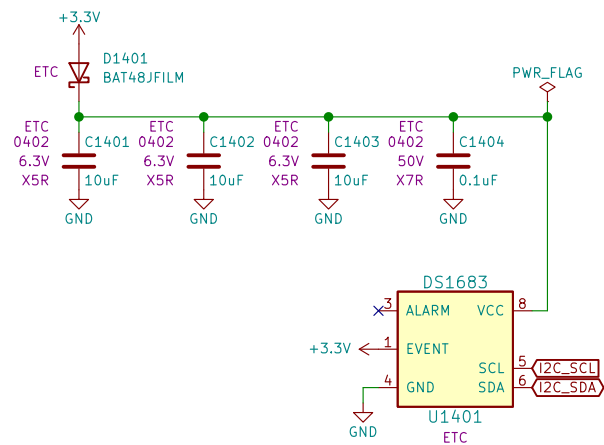
Sheet: /Config Hardstraps/
File: config_hardstraps.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
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I2C 7-Bit Address:
0x6B

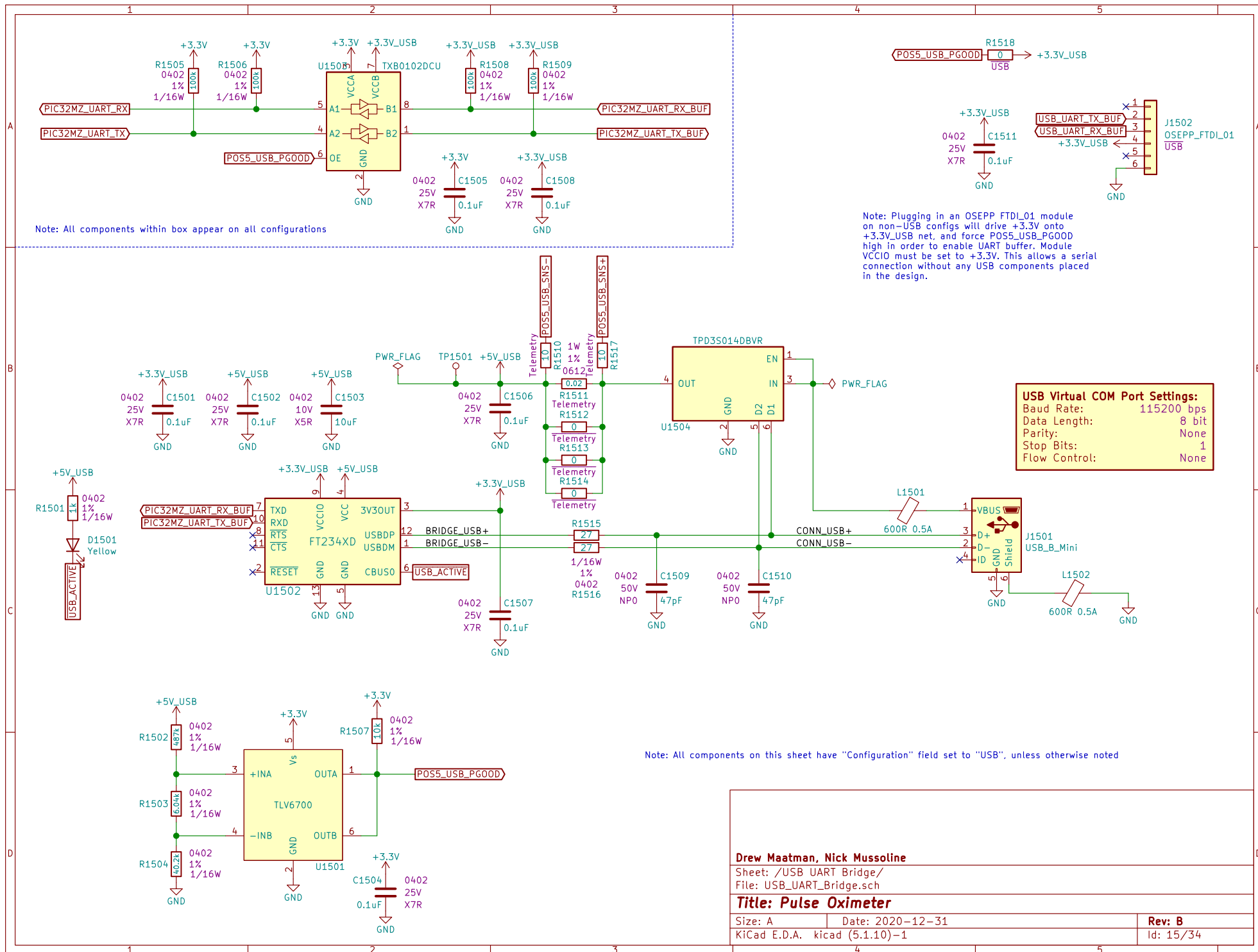
Drew Maatman

Sheet: /Platform ETC/
File: Platform_ETC.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
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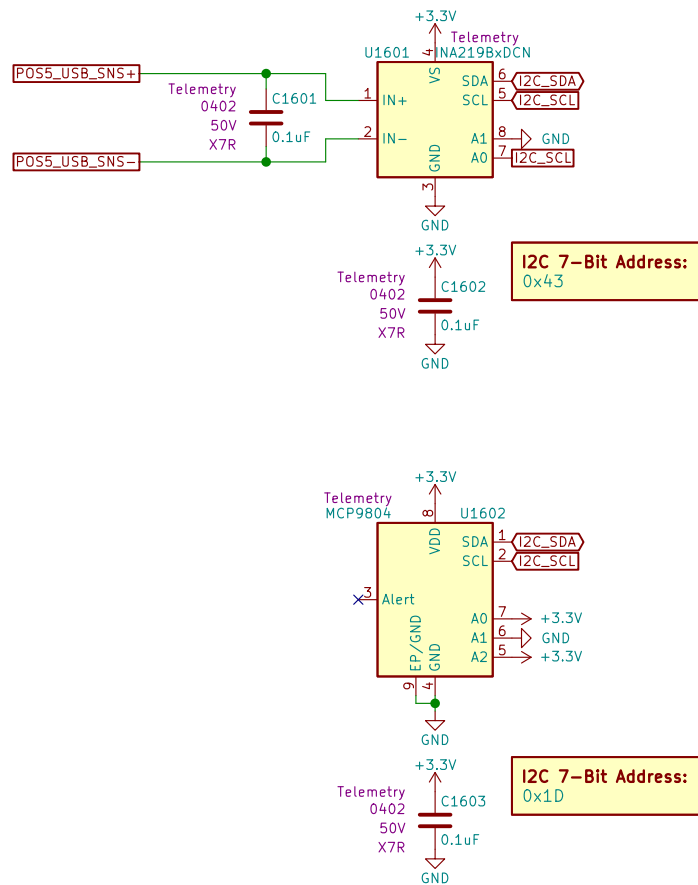
Drew Maatman, Nick Mussoline

Sheet: /USB UART Bridge/
 File: USB_UART_Bridge.sch

Title: Pulse Oximeter

Size: A Date: 2020-12-31
 KiCad E.D.A. kicad (5.1.10)-1

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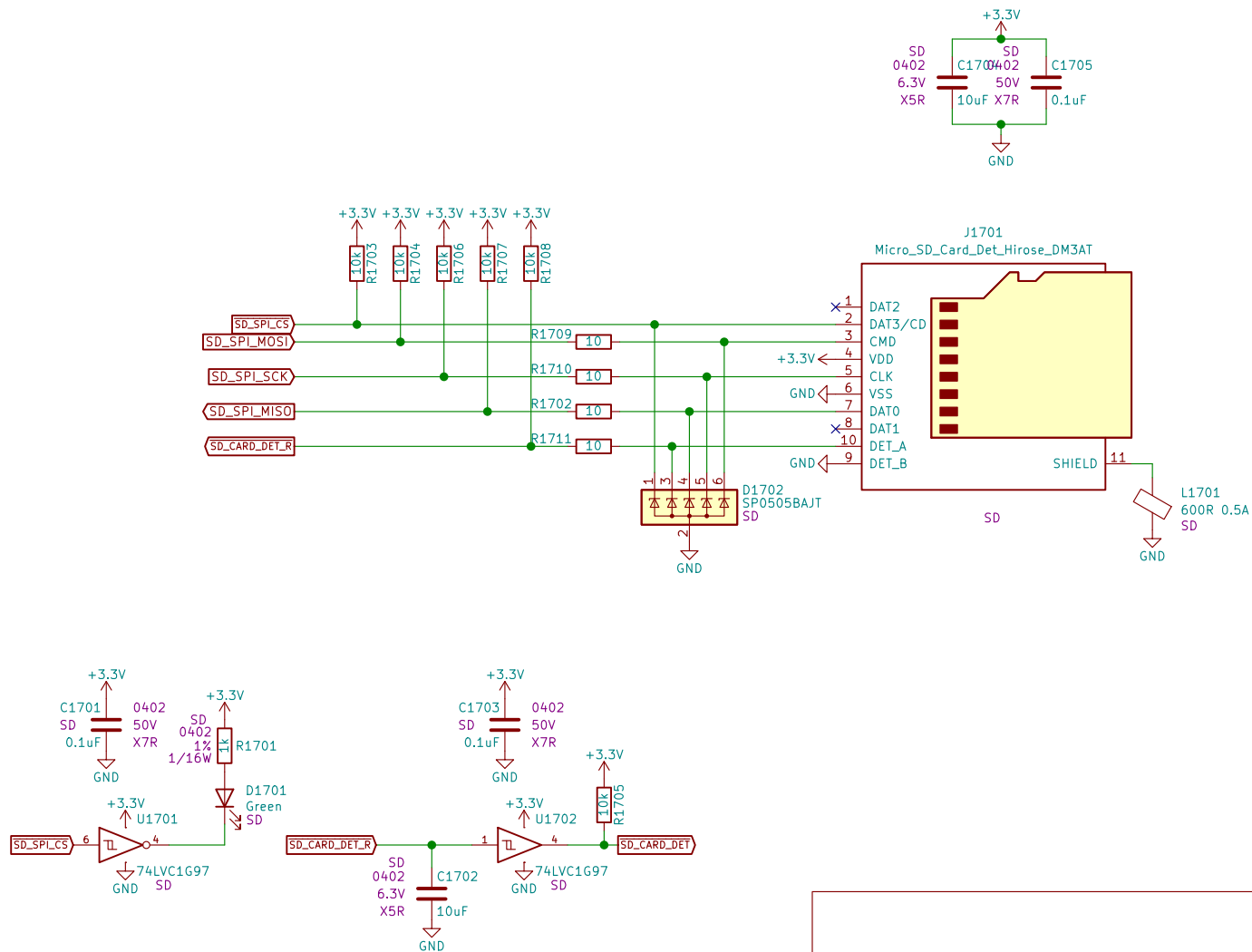
Drew Maatman

Sheet: /USB Telemetry/
File: USB_Telemetry.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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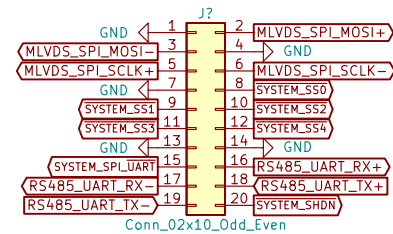
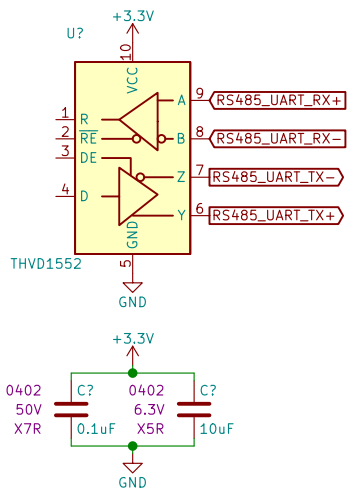
Drew Maatman

Sheet: /SD Card Slot/
File: SD_Card_Slot.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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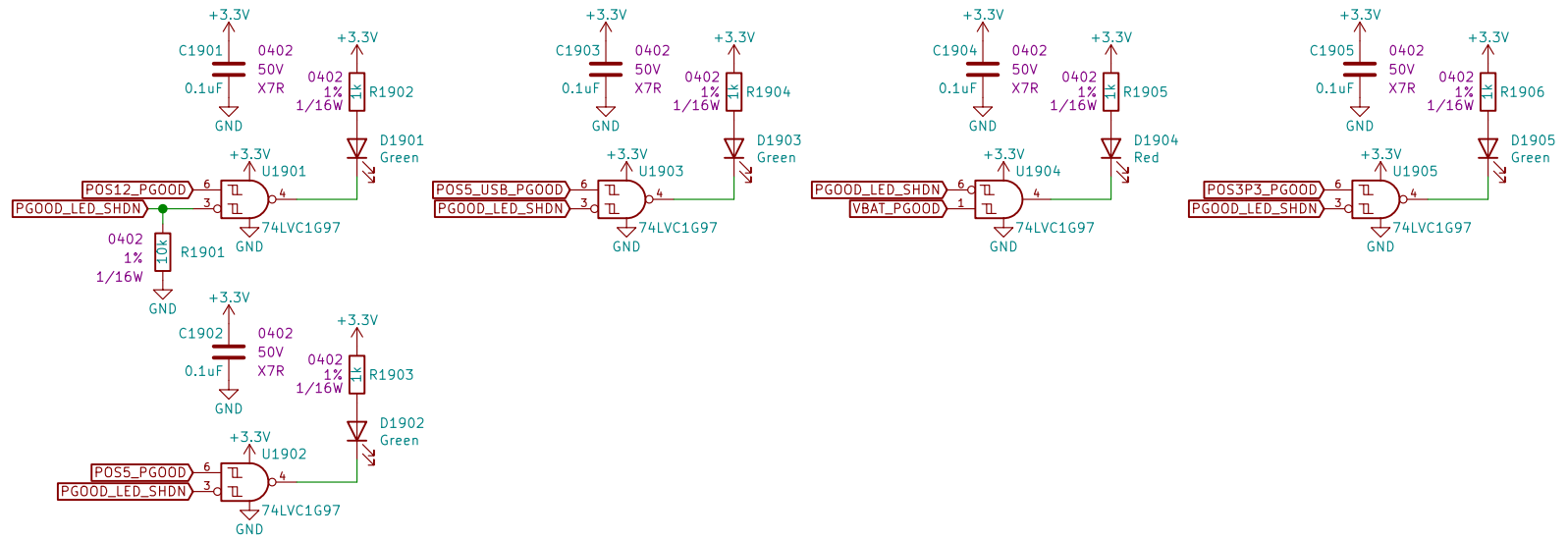
Drew Maatman

Sheet: /MLVDS Port/
File: MLVDS_Port.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

Rev: A
Id: 18/34



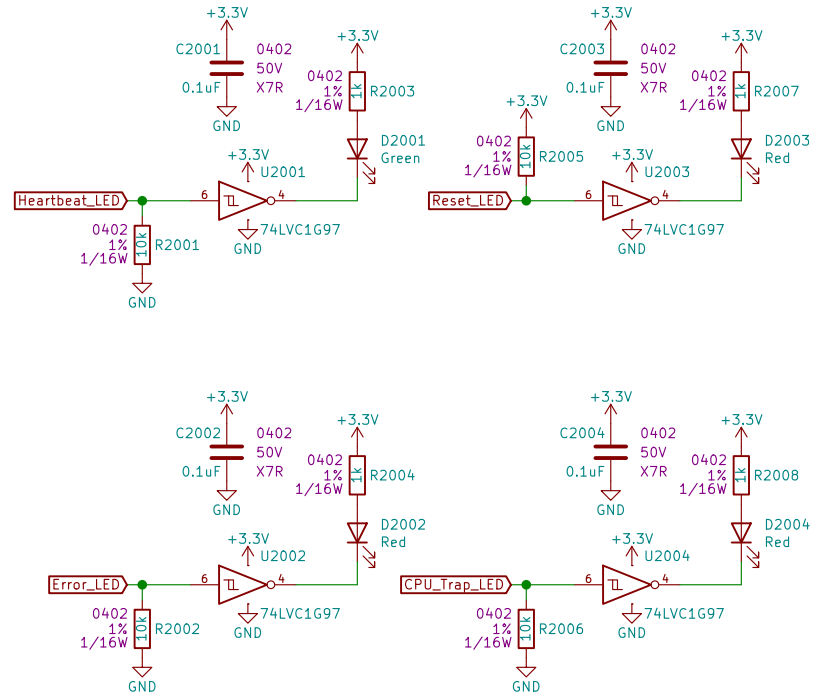
Drew Maatman

Sheet: /PGOOD LEDs/
File: PGOOD_LEDs.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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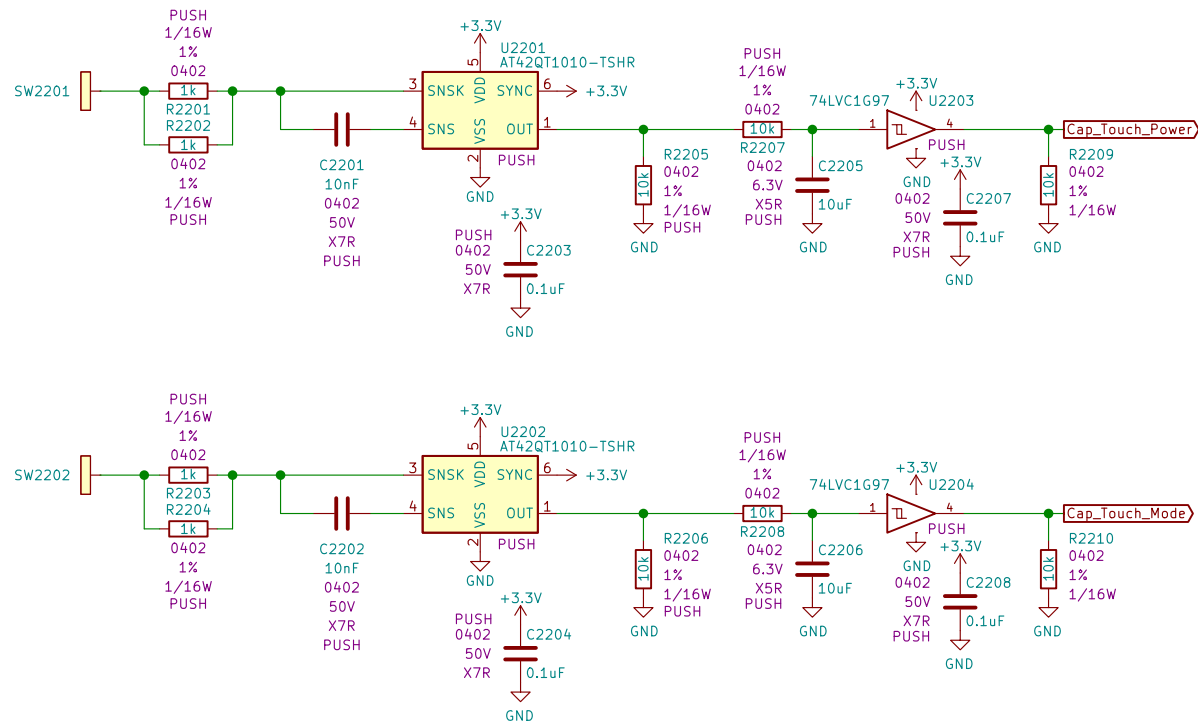
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Sheet: /Status_LEDs/
File: Status_LEDs.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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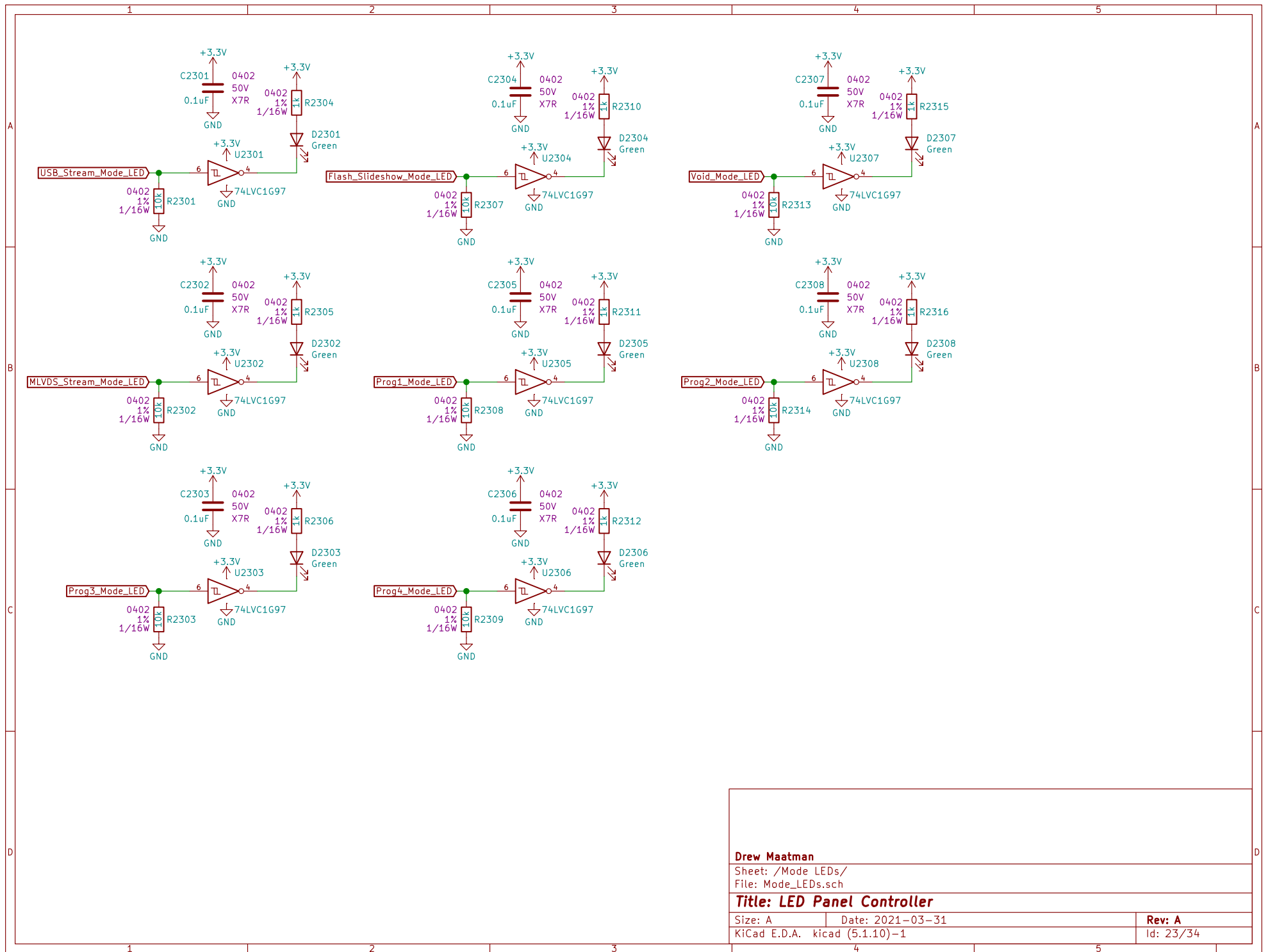
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Sheet: /Pushbuttons/
File: Pushbuttons.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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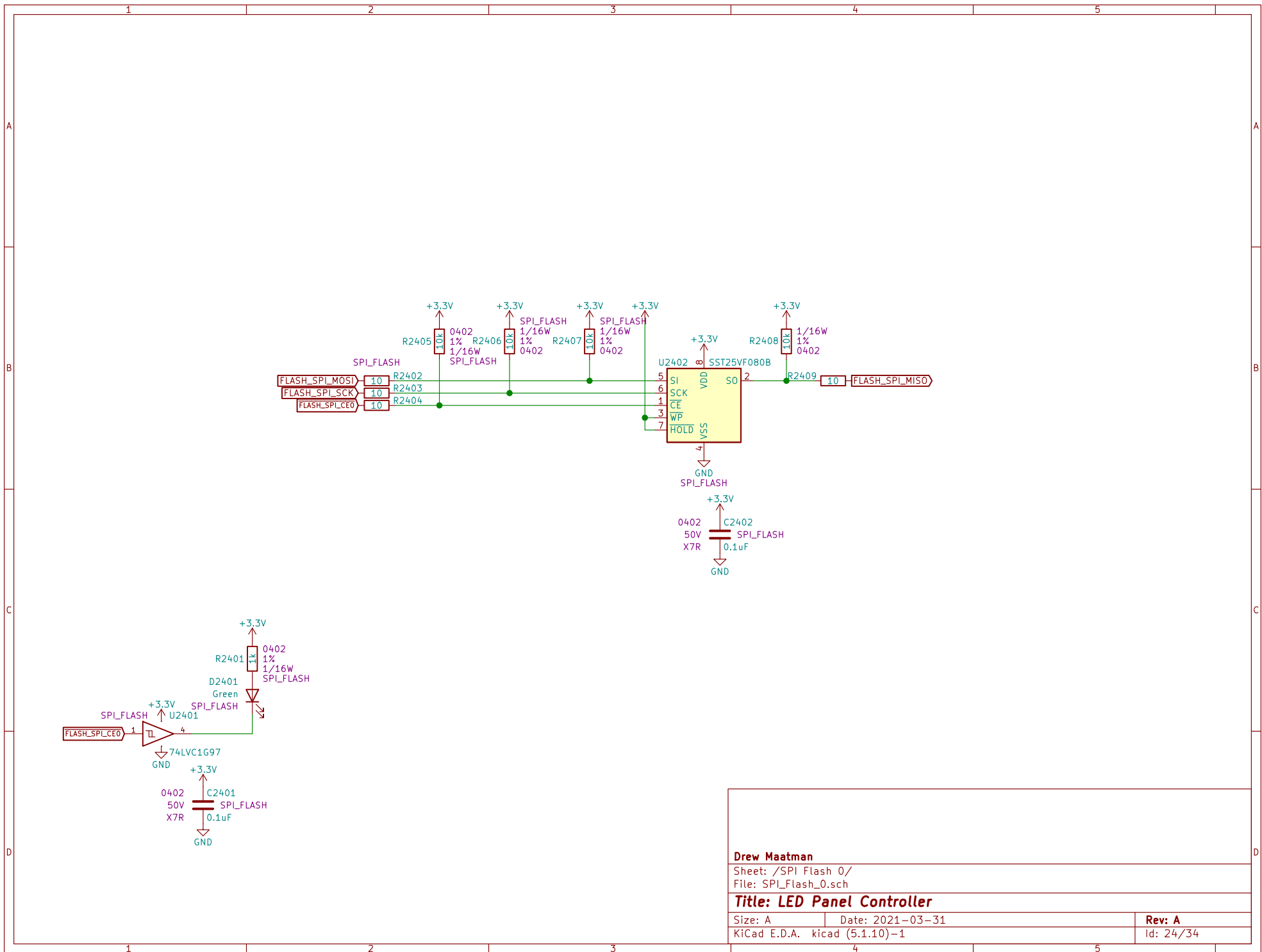
Drew Maatman

Sheet: /Mode LEDs/
File: Mode_LEDs.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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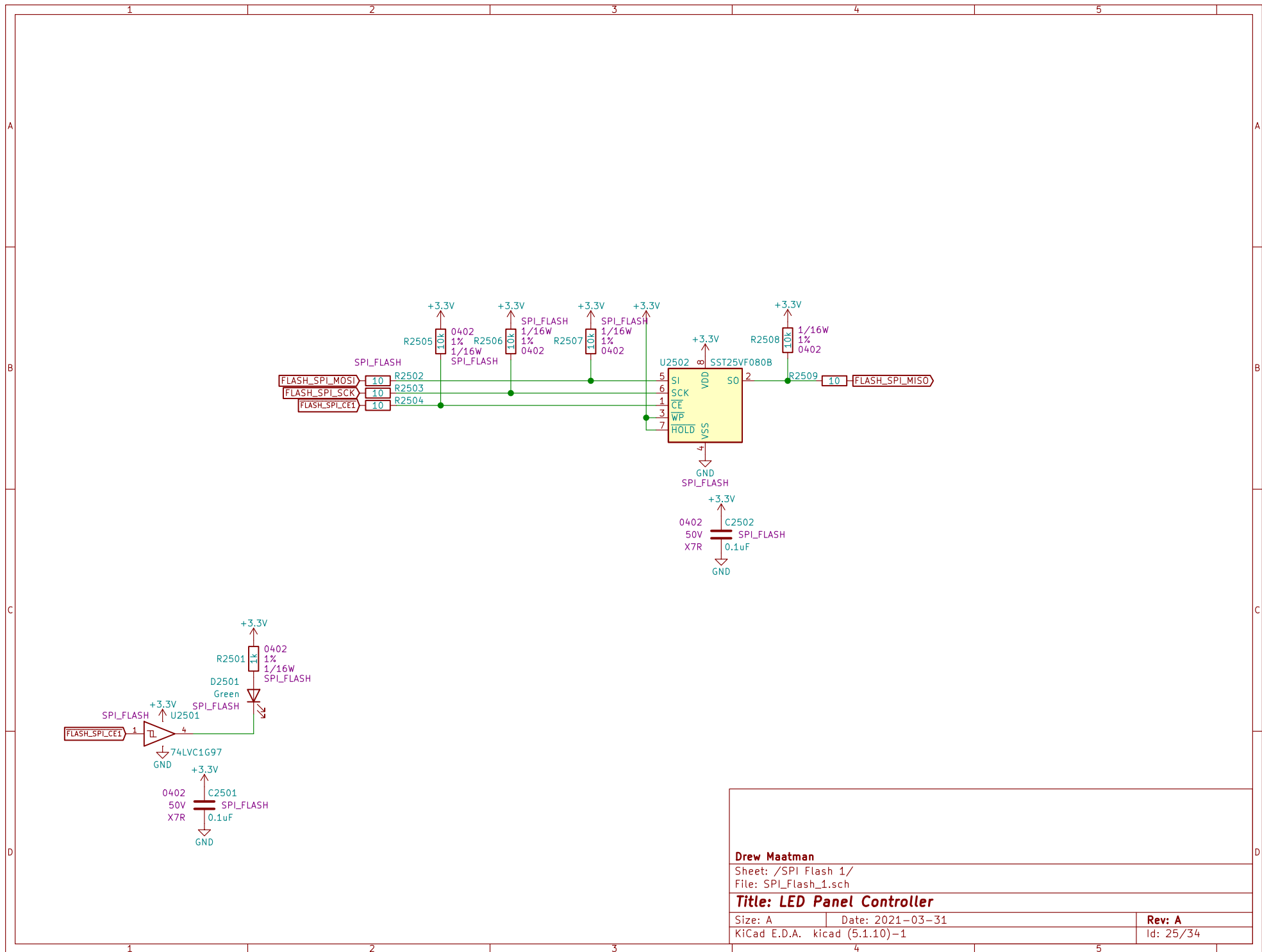
Drew Maatman

Sheet: /SPI Flash 0/
File: SPI_Flash_0.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

Rev: A
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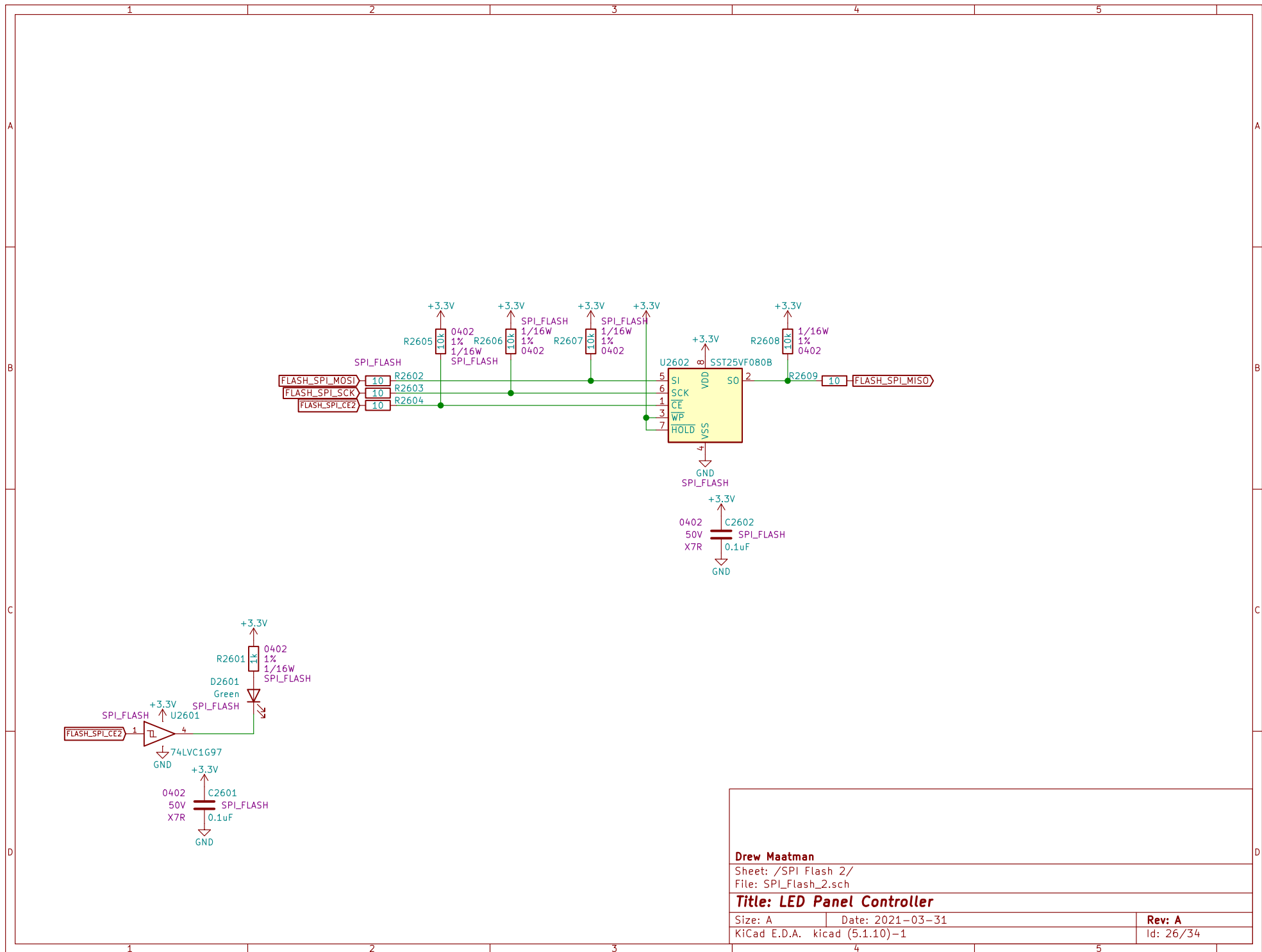
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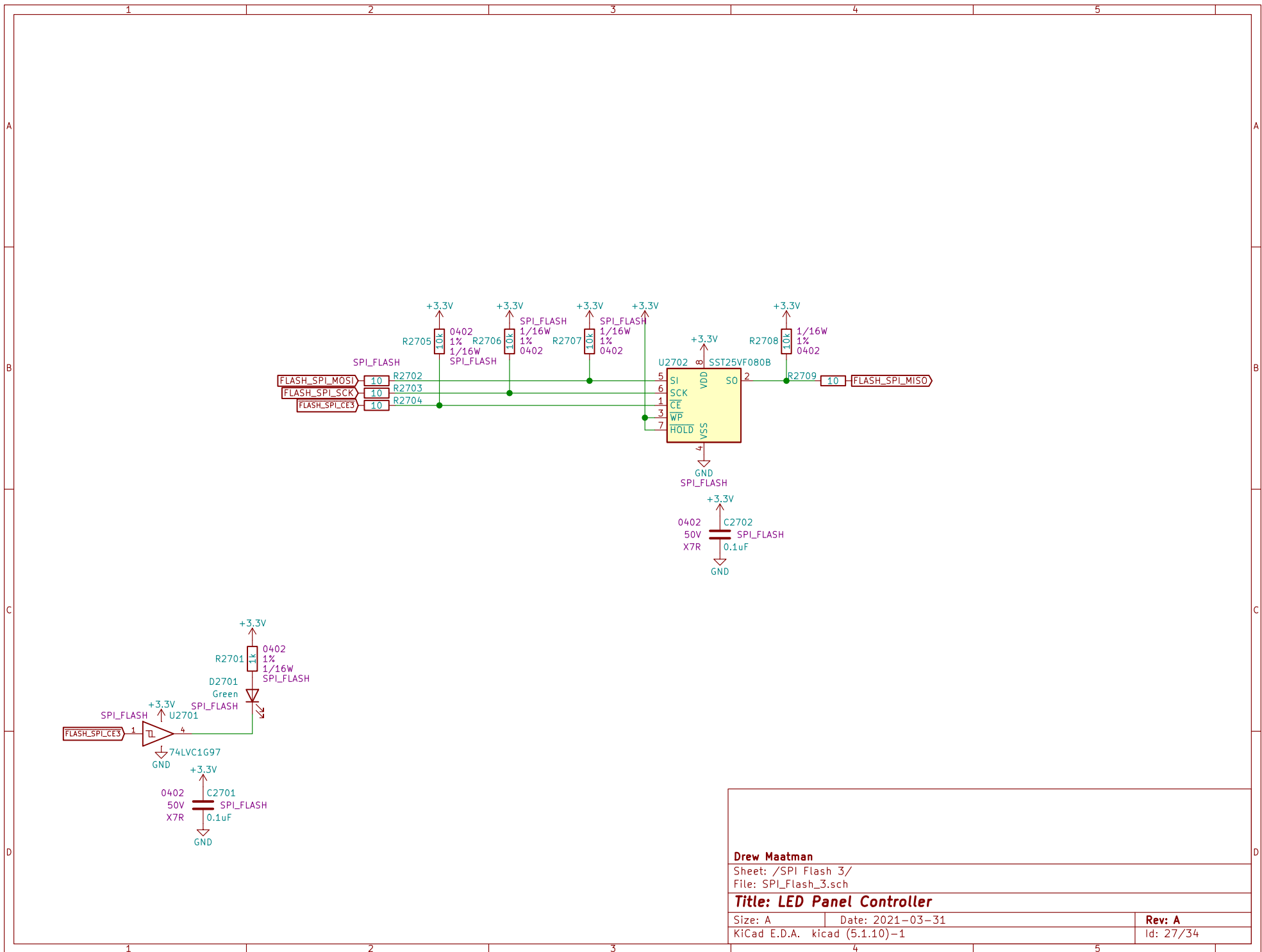
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File: SPI_Flash_1.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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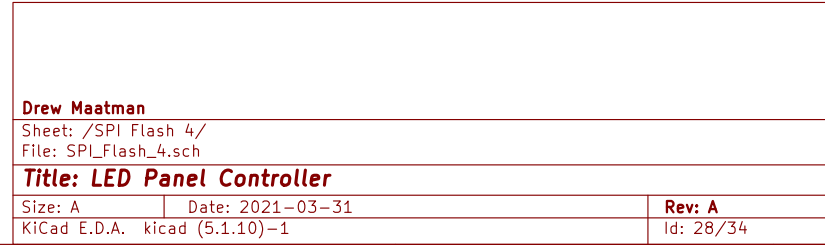
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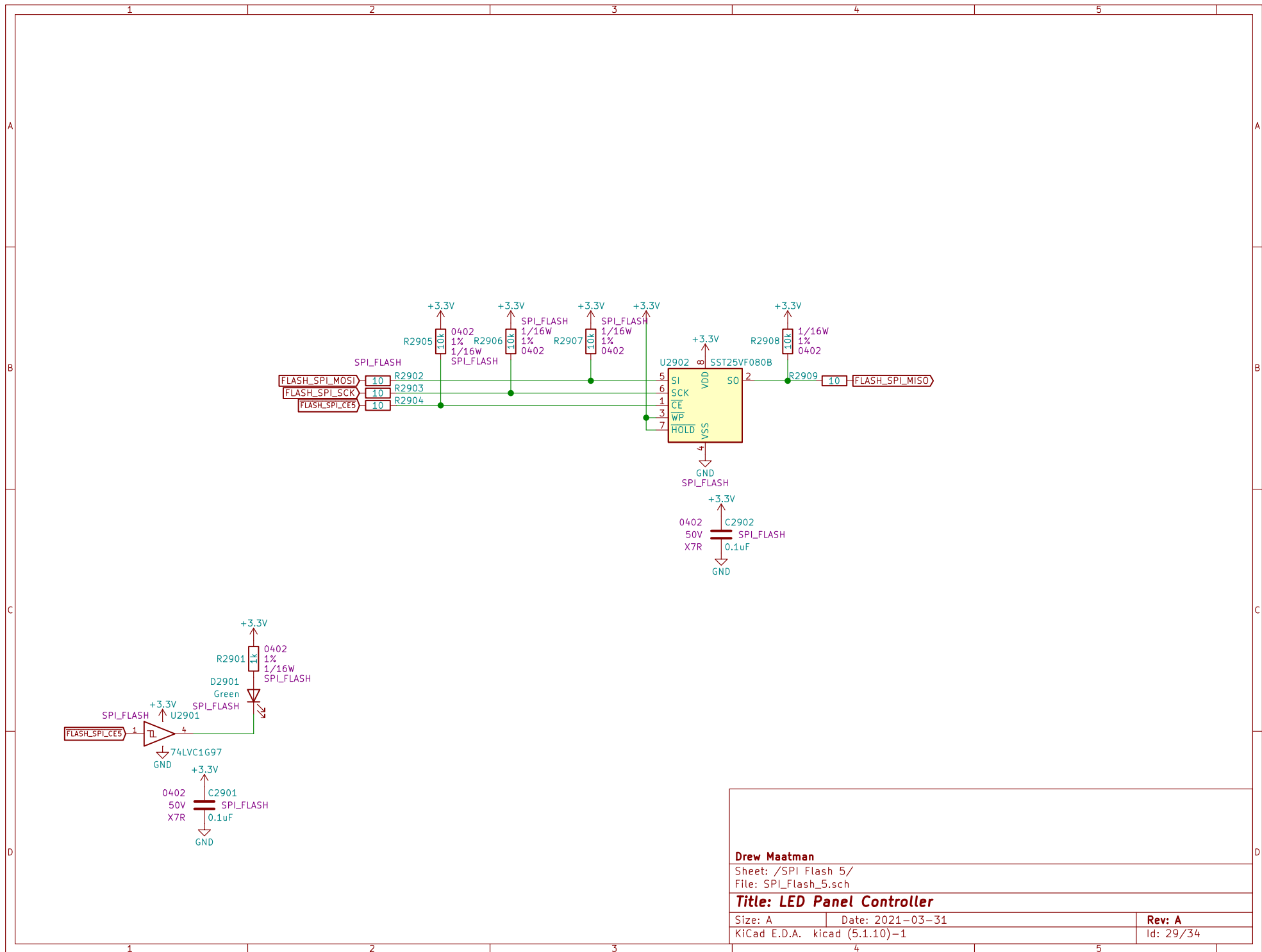
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File: SPI_Flash_3.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

Rev: A
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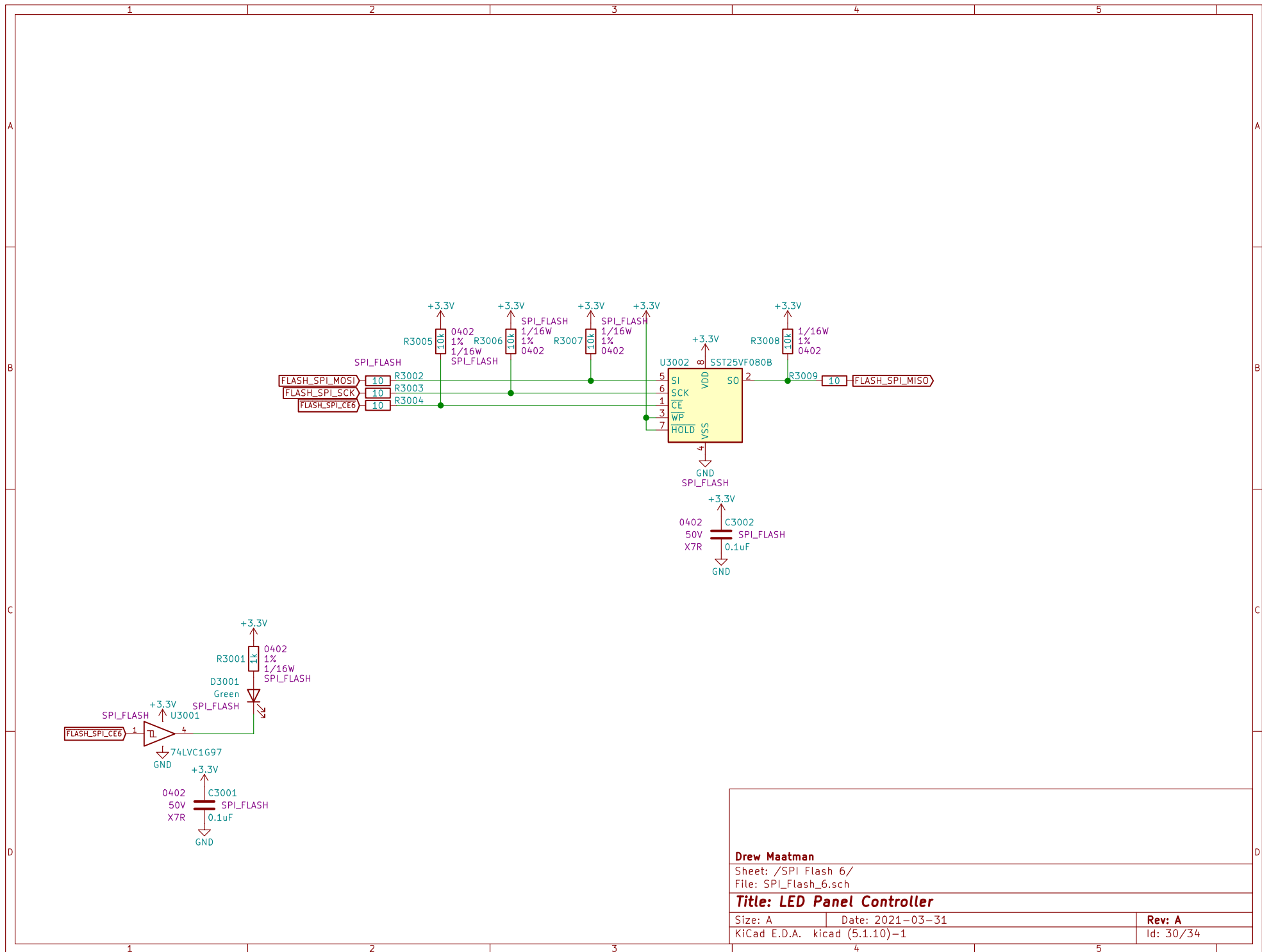
Drew Maatman

Sheet: /SPI Flash 5/
File: SPI_Flash_5.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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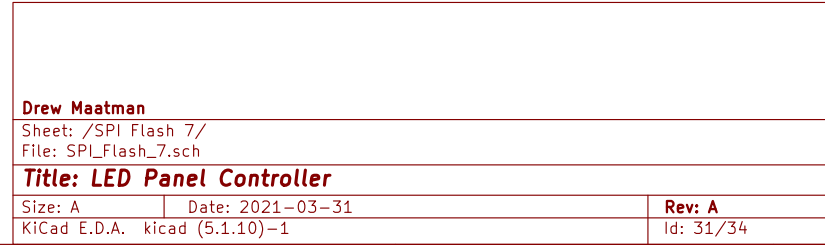
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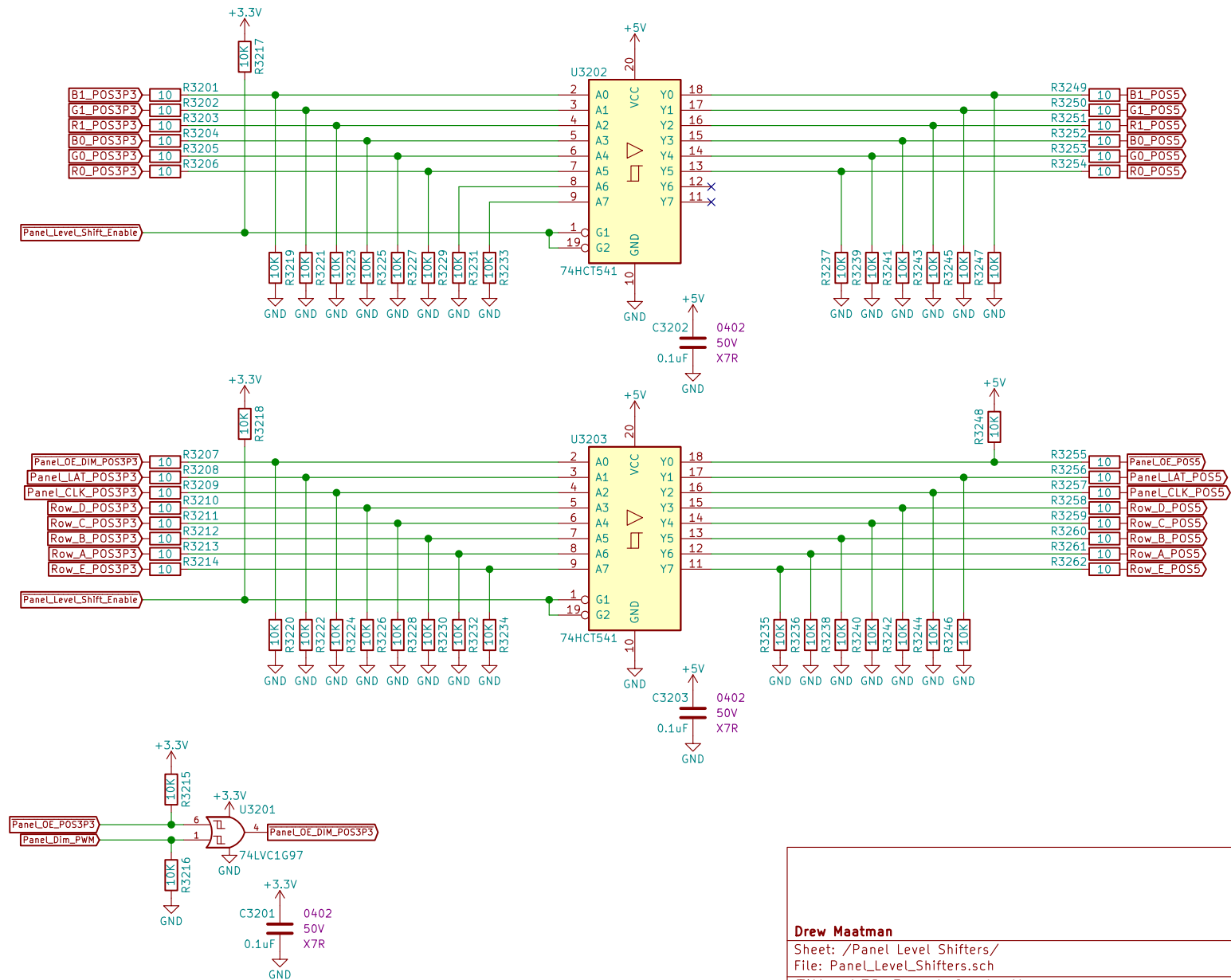
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File: SPI_Flash_6.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
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Sheet: /Panel Level Shifters/
File: PanelLevelShifters.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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A

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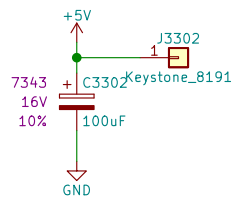
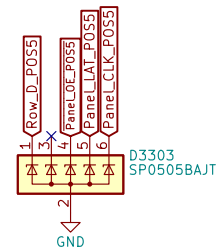
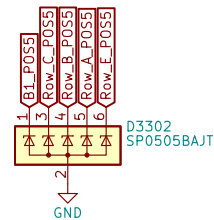
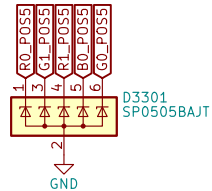
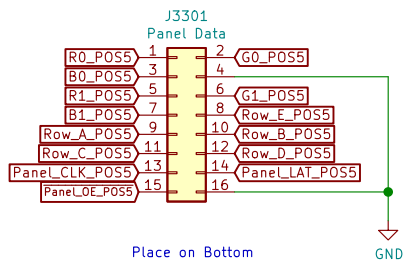
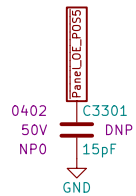
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C

C

D

D



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Sheet: /Panel Connectors/
File: PanelConnectors.sch

Title: LED Panel Controller

Size: A Date: 2021-03-31
KiCad E.D.A. kicad (5.1.10)-1

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