

# LED Panel Controller

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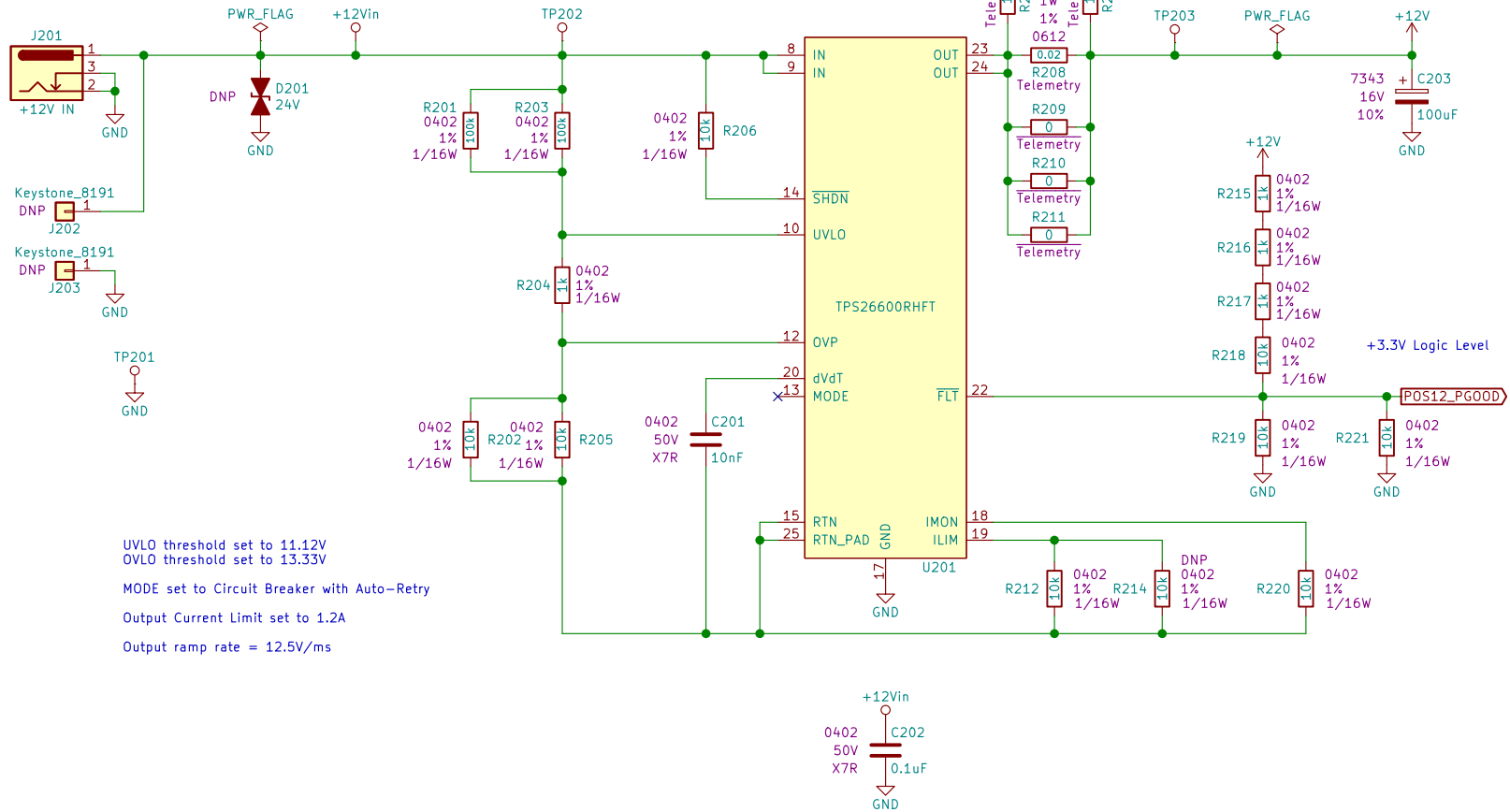
Title: LED Panel Controller

Size: A Date: 2021-03-24

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Rev: A

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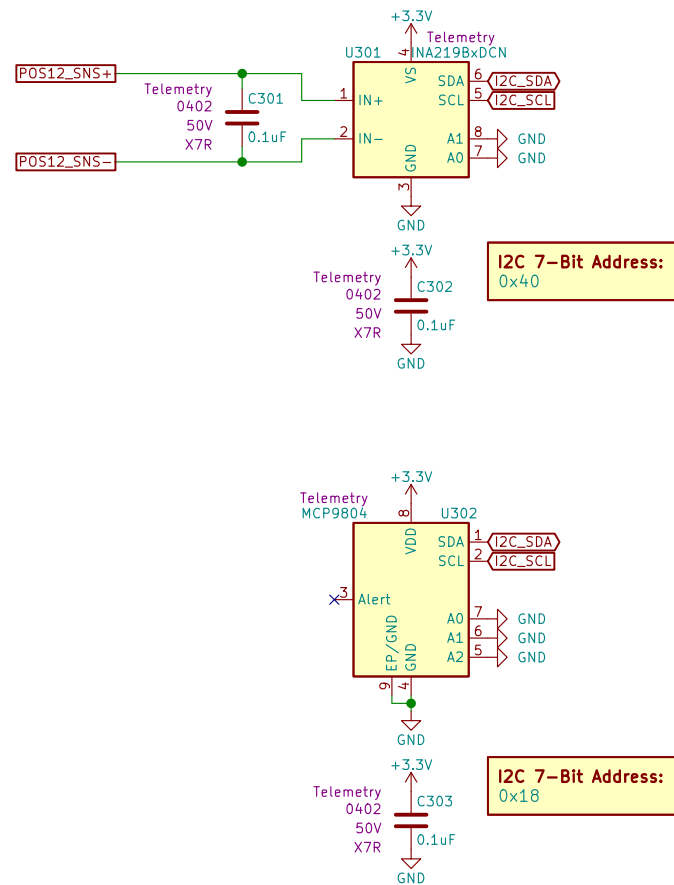
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Sheet: /+12V Input/  
 File: POS12\_Input.sch

### Title: LED Panel Controller

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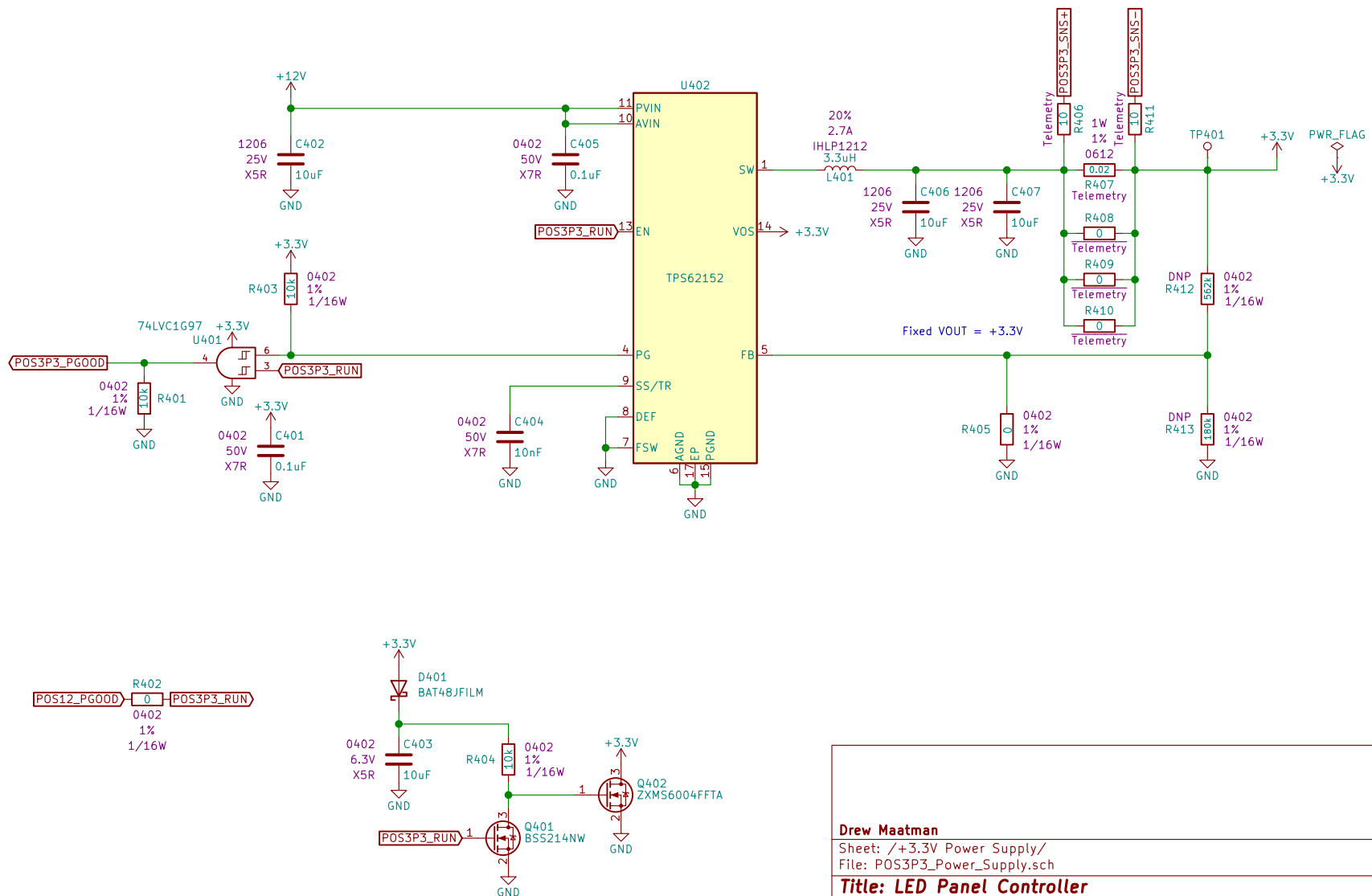
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Sheet: /+12V Telemetry/  
File: POS12\_Telemetry.sch

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Size: A Date: 2021-03-24  
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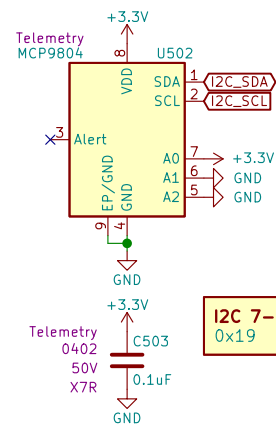
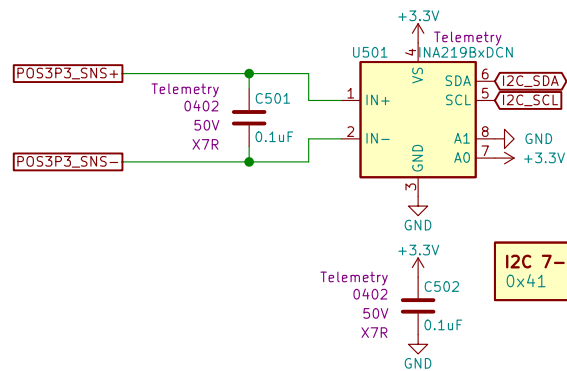
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Sheet: /+3.3V Power Supply/  
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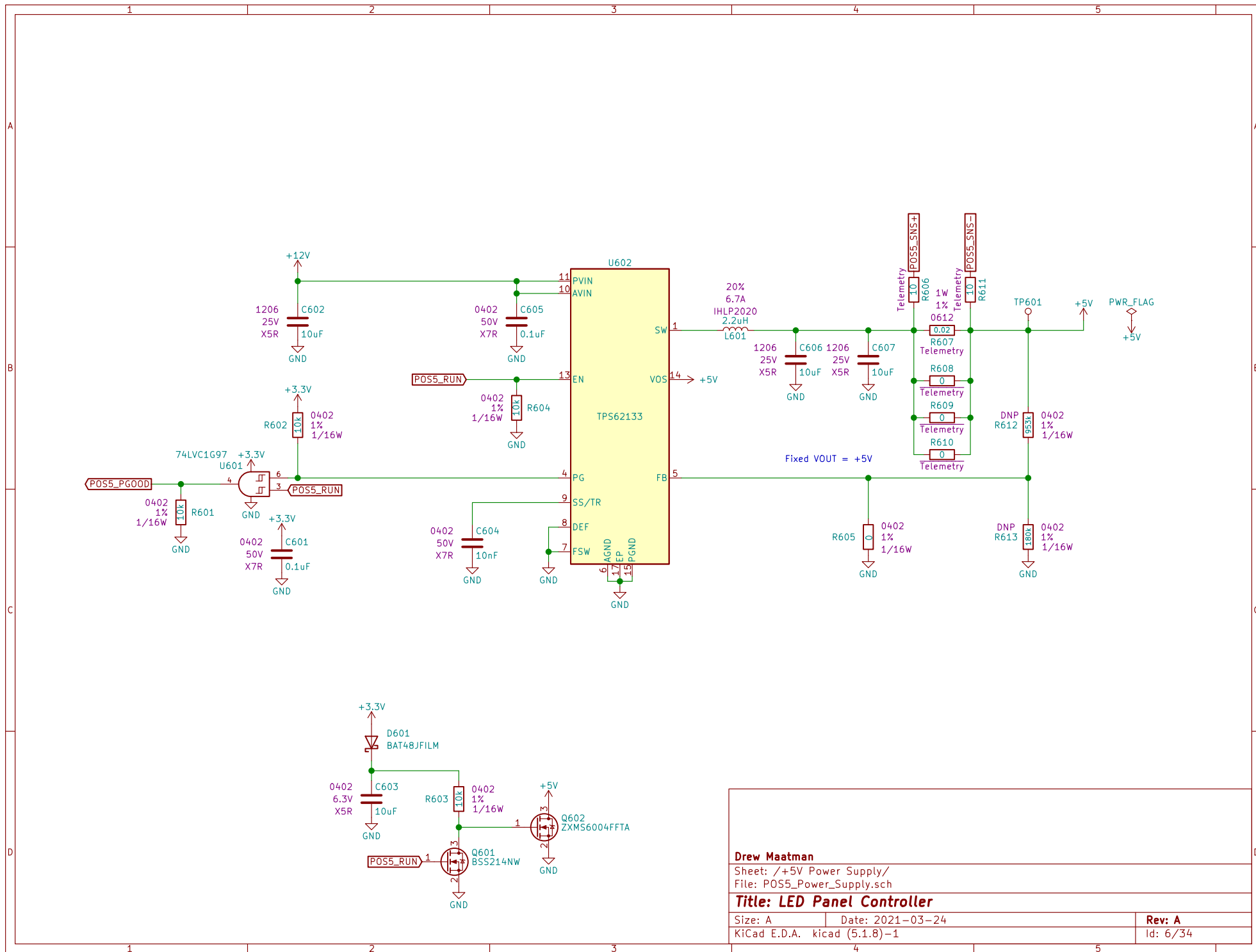
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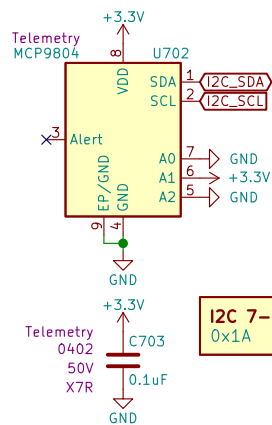
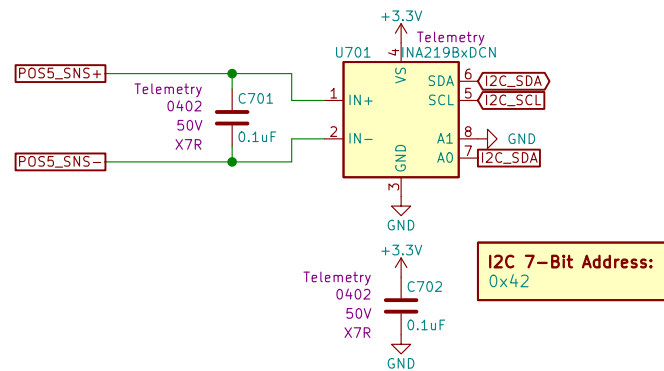
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Sheet: /+5V Power Supply/  
File: POS5\_Power\_Supply.sch

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Sheet: /+5V Telemetry/

File: POS5\_Telemetry.sch

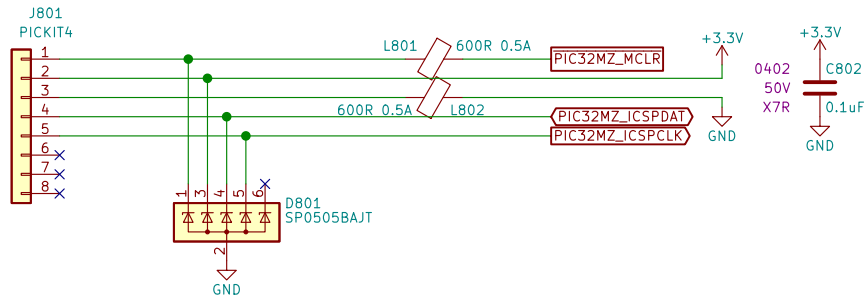
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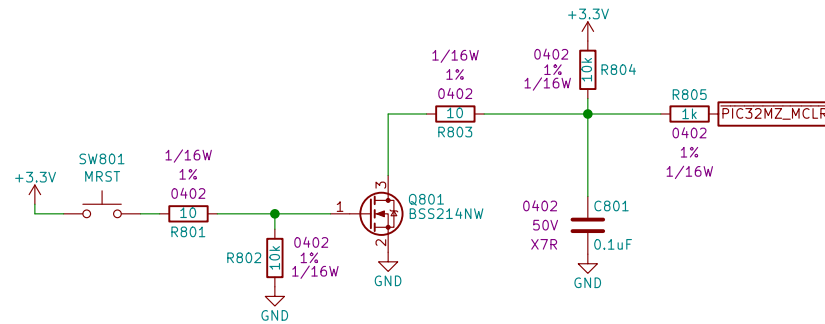
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Double check MCLR voltage during programming



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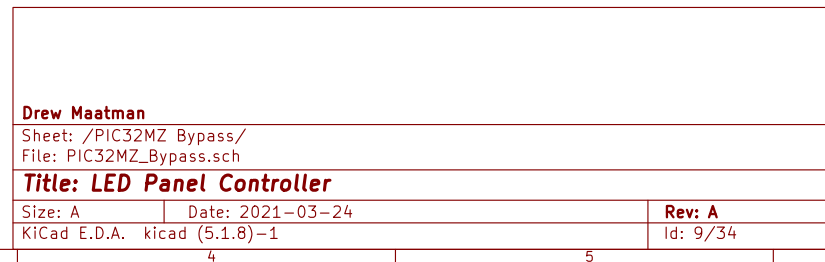
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**Title: LED Panel Controller**

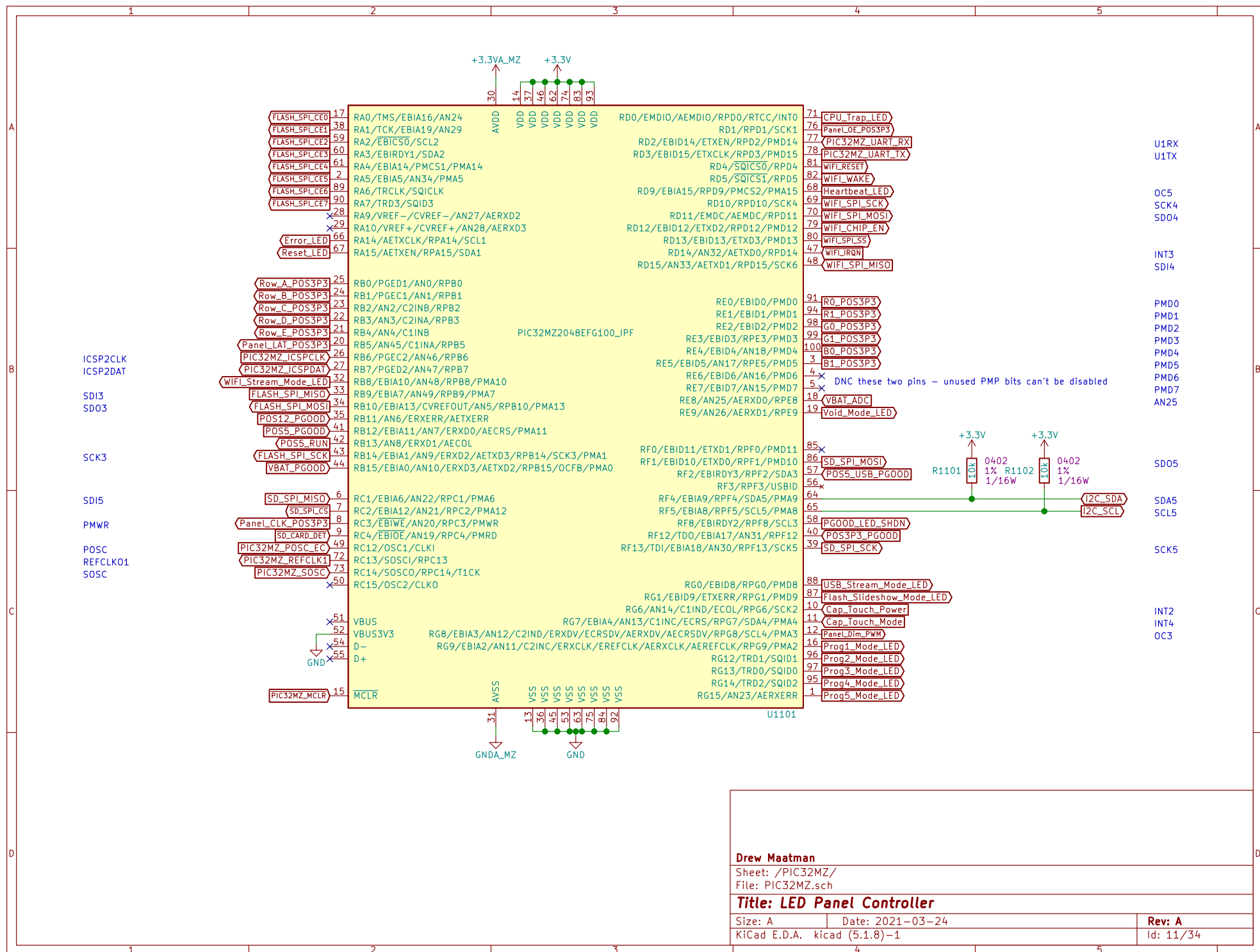
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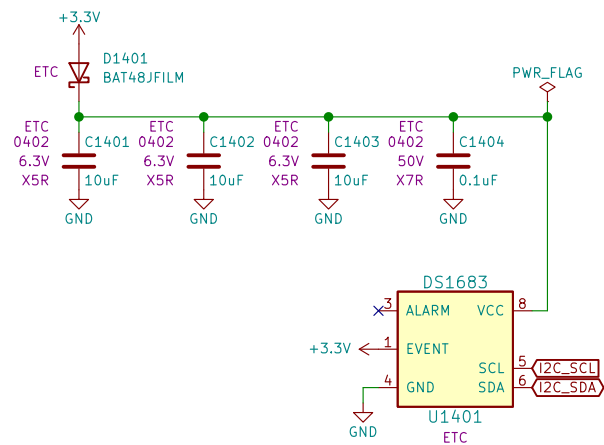


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**I2C 7-Bit Address:**  
0x6B

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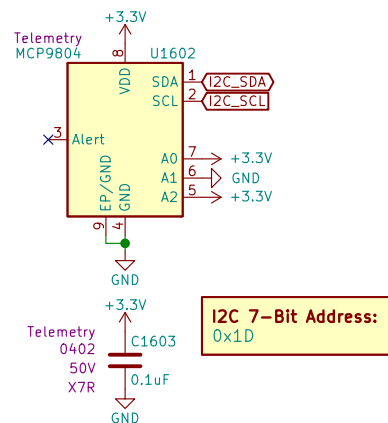
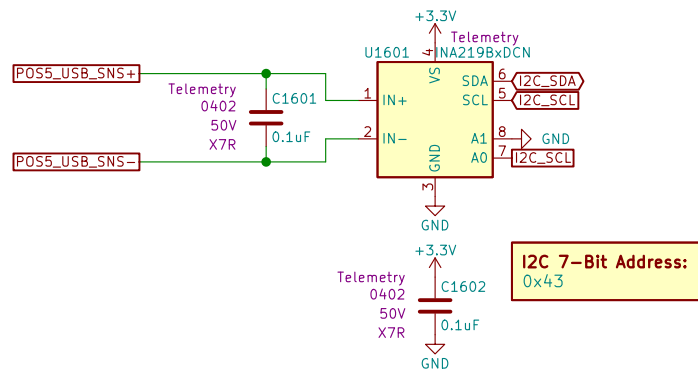
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File: Platform\_ETC.sch

**Title: LED Panel Controller**

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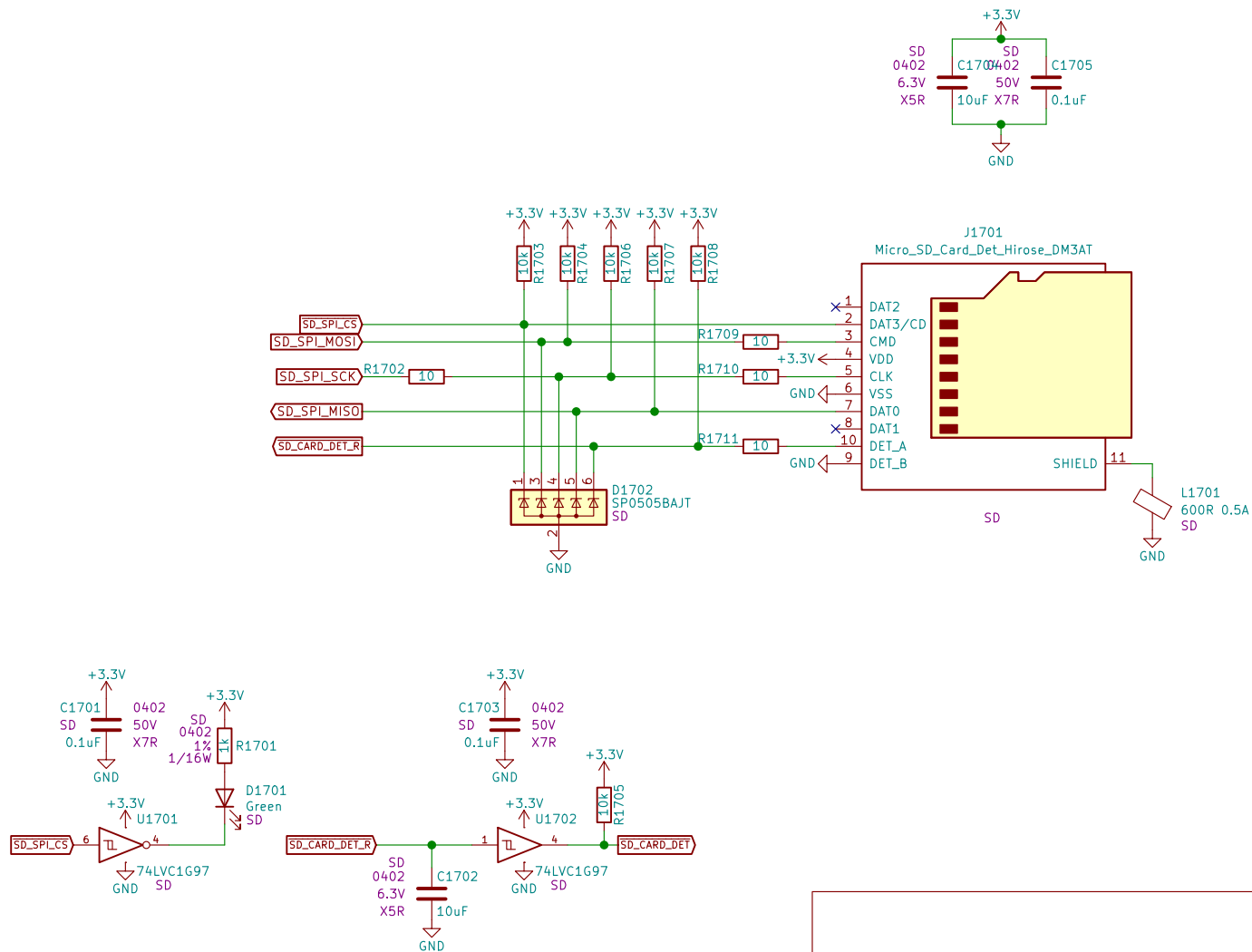
Sheet: /USB Telemetry/  
File: USB\_Telemetry.sch

### Title: LED Panel Controller

Size: A Date: 2021-03-24  
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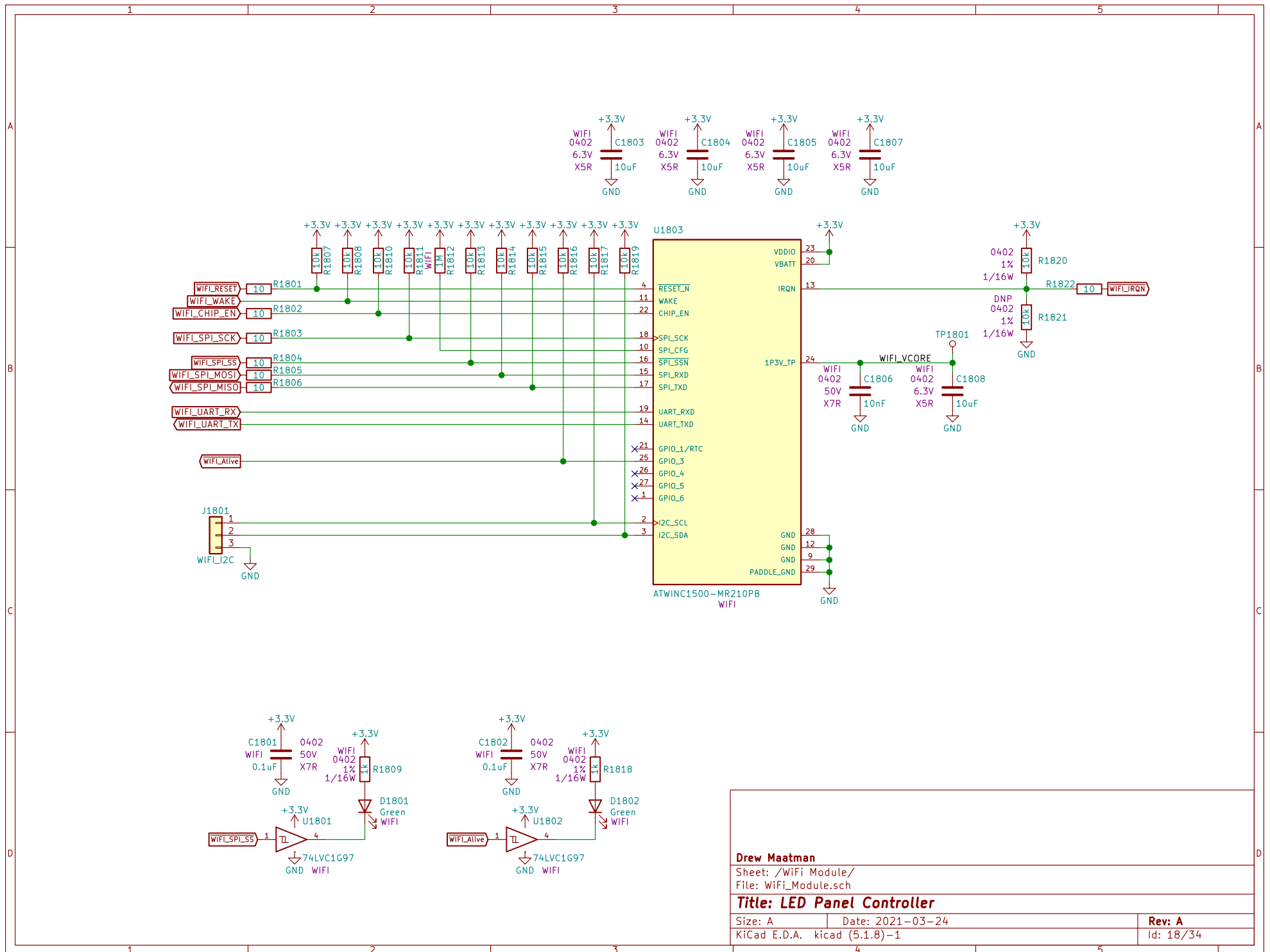
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Sheet: /SD Card Slot/  
File: SD\_Card\_Slot.sch

### Title: LED Panel Controller

Size: A Date: 2021-03-24  
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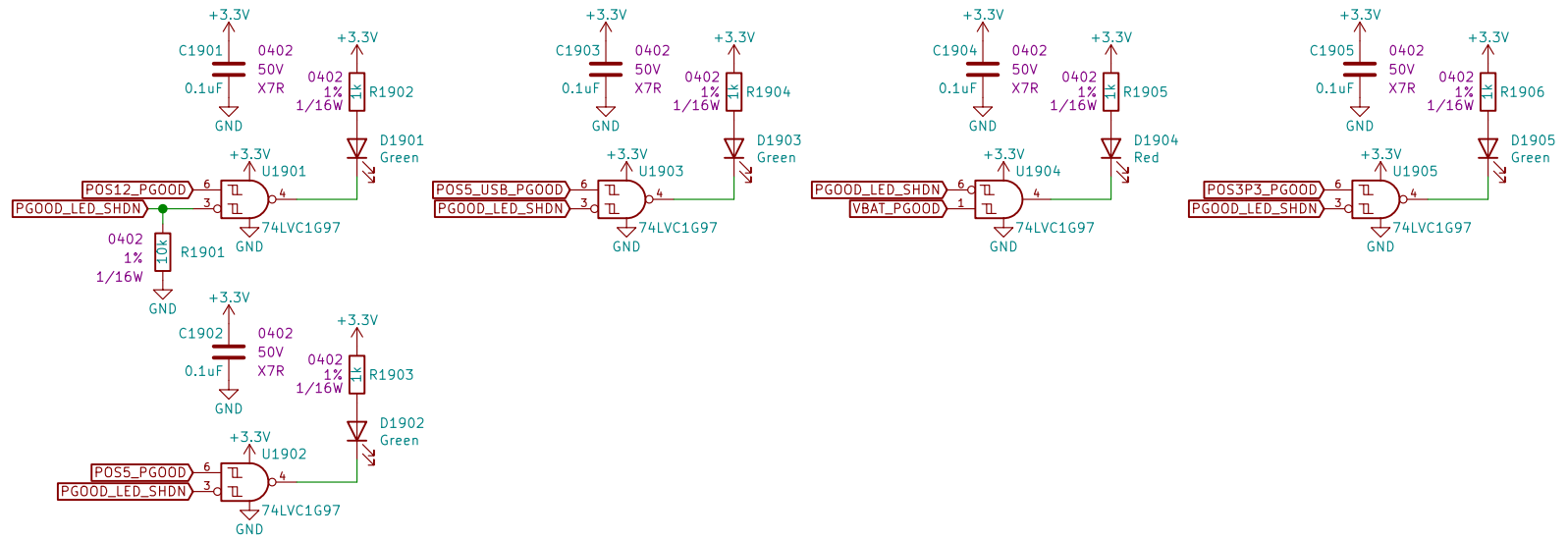
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Sheet: /WiFi Module/  
File: WiFi\_Module.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
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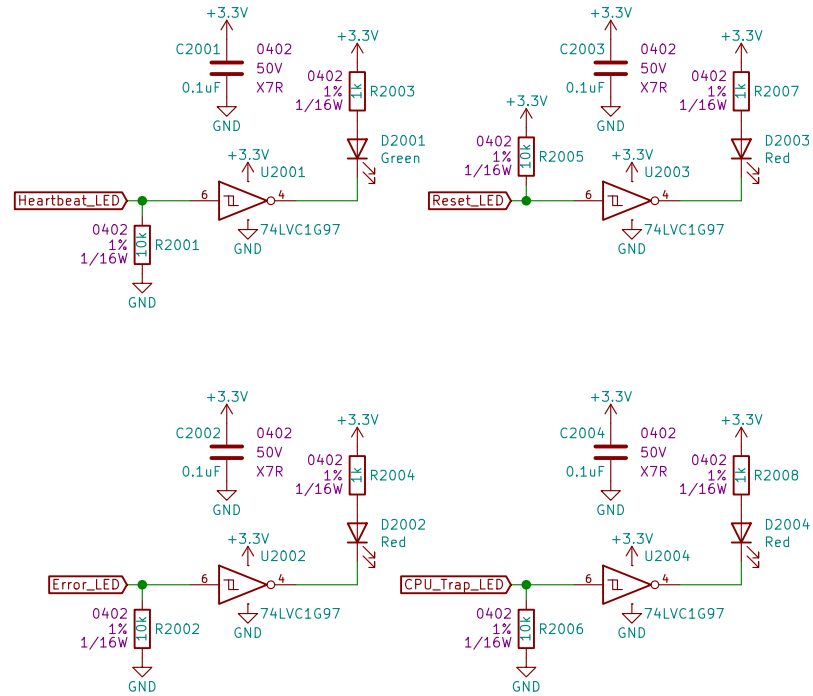
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Sheet: /PGOOD LEDs/  
File: PGOOD\_LEDS.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
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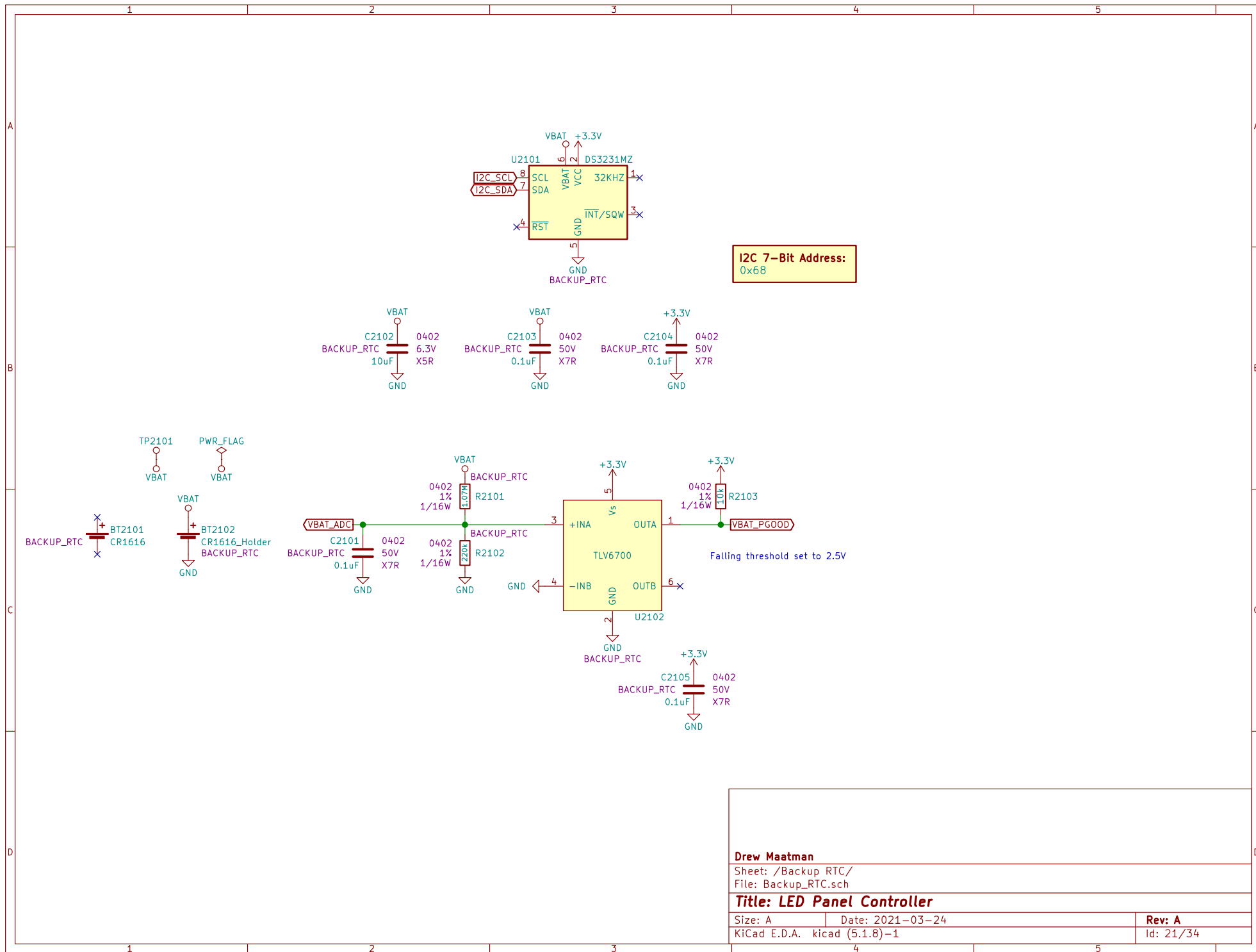
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Sheet: /Status\_LEDs/  
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### Title: LED Panel Controller

Size: A Date: 2021-03-24  
KiCad E.D.A. kicad (5.1.8)-1

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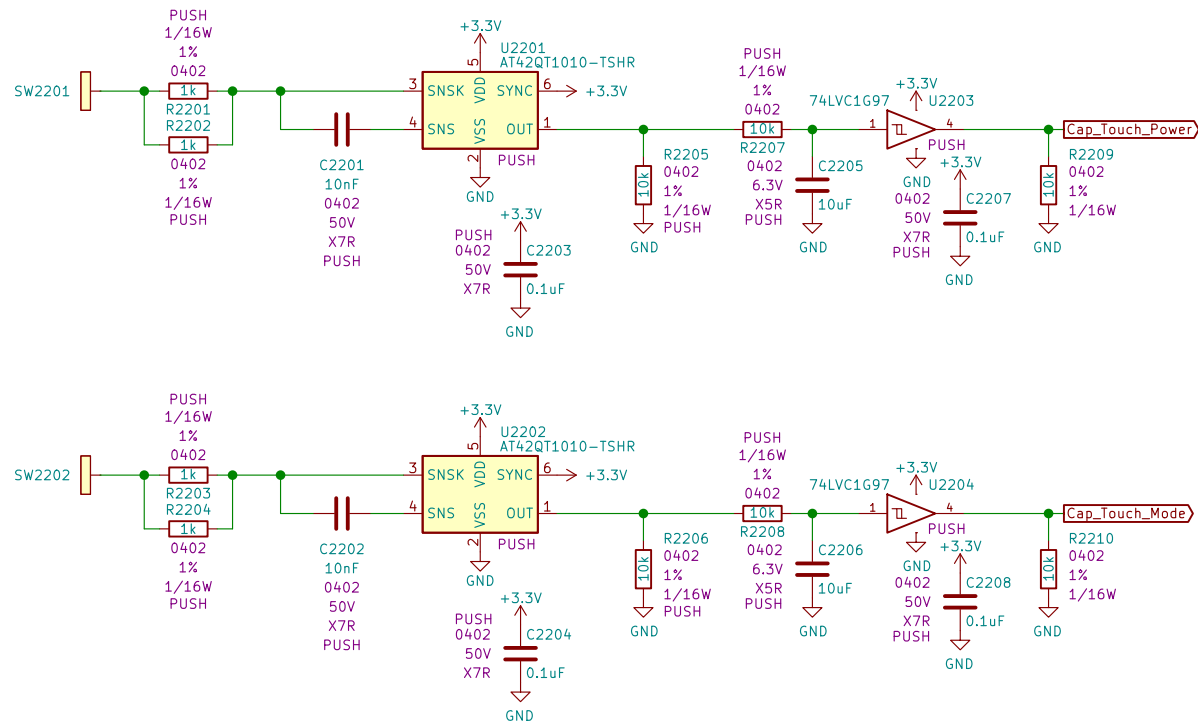
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Sheet: /Backup RTC/  
File: Backup\_RTC.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
KiCad E.D.A. kicad (5.1.8)-1

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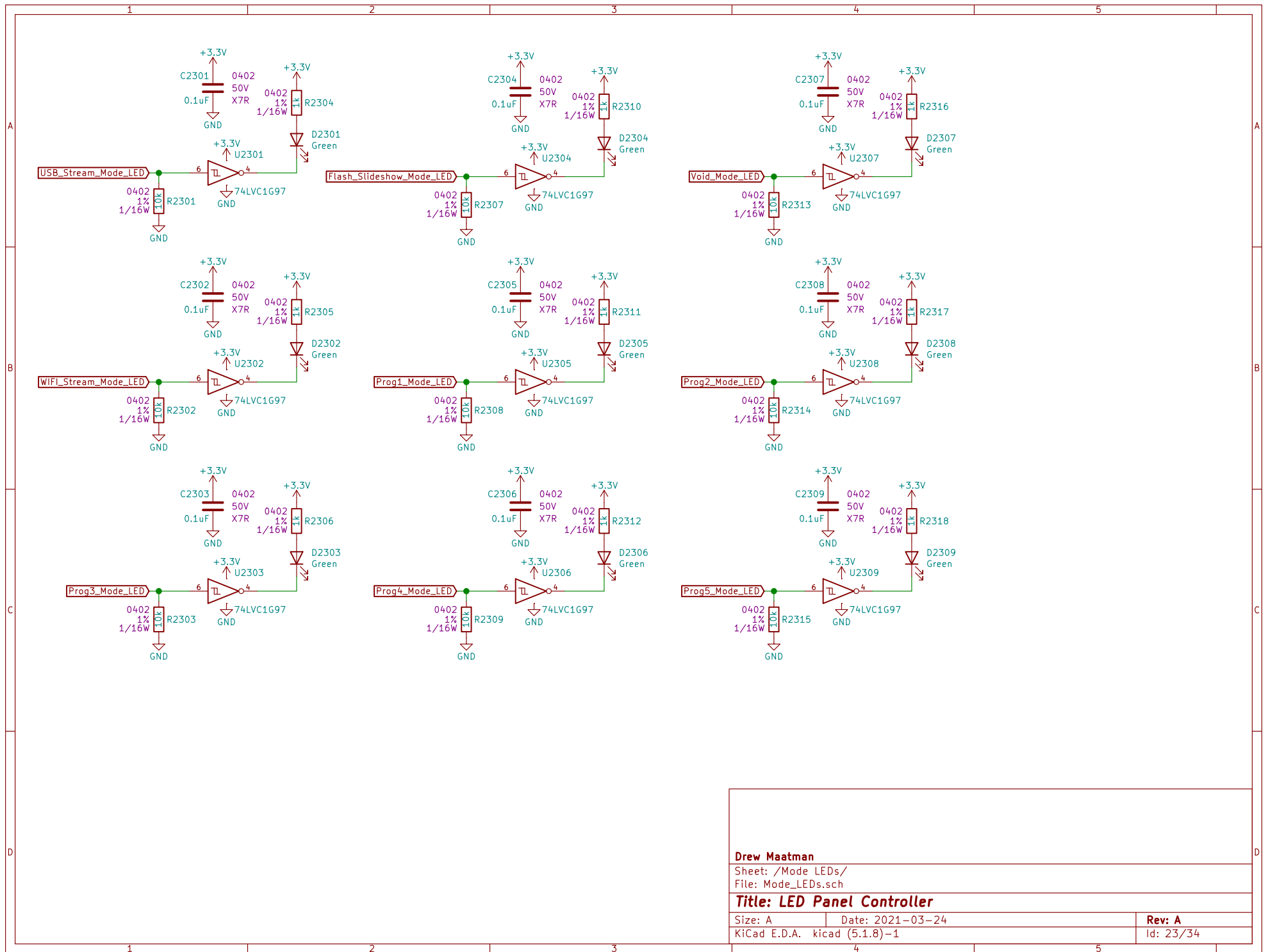
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Sheet: /Pushbuttons/  
File: Pushbuttons.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
KiCad E.D.A. kicad (5.1.8)-1

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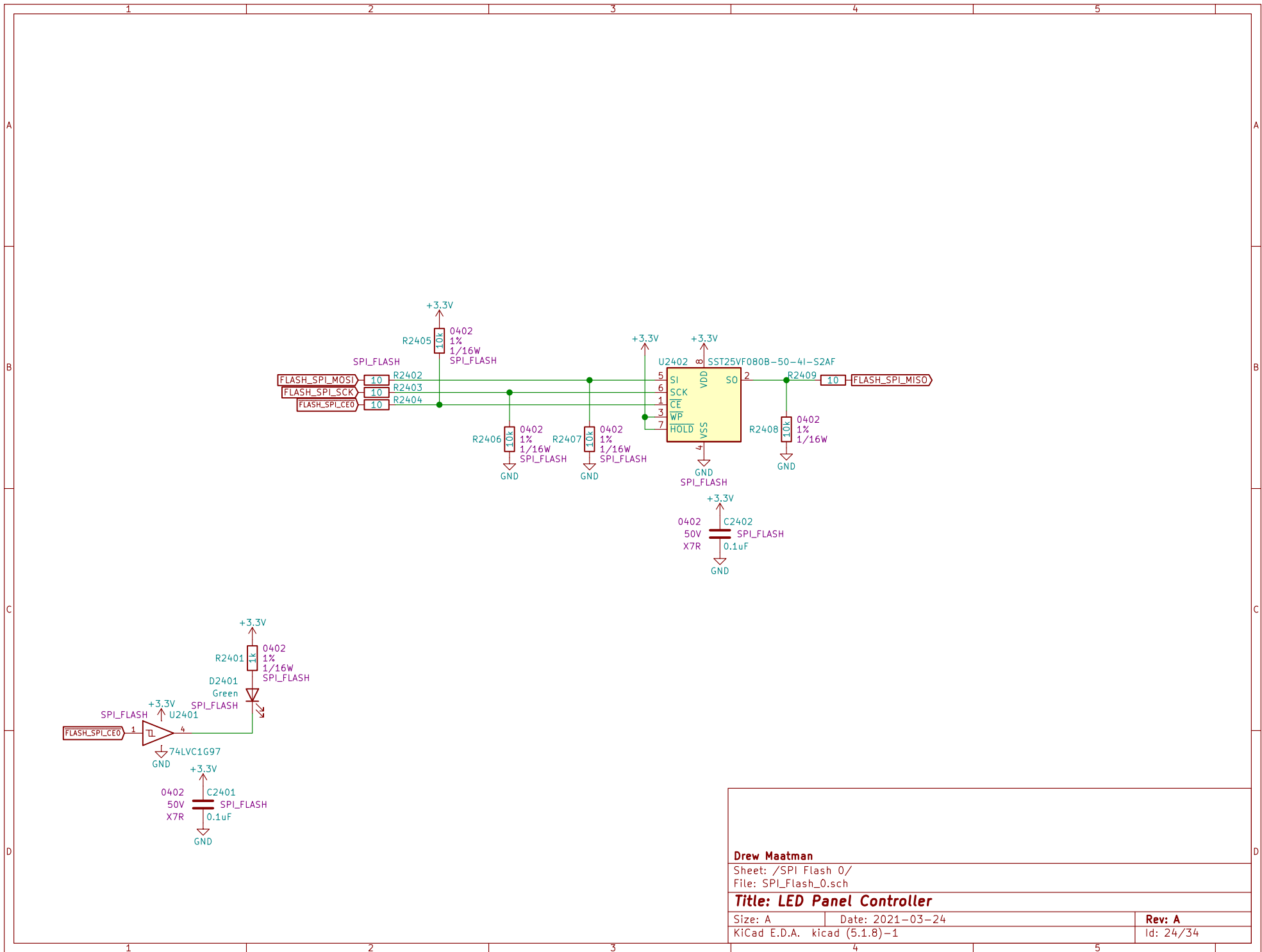
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Sheet: /Mode LEDs/  
File: Mode\_LEDs.sch

### Title: LED Panel Controller

Size: A Date: 2021-03-24  
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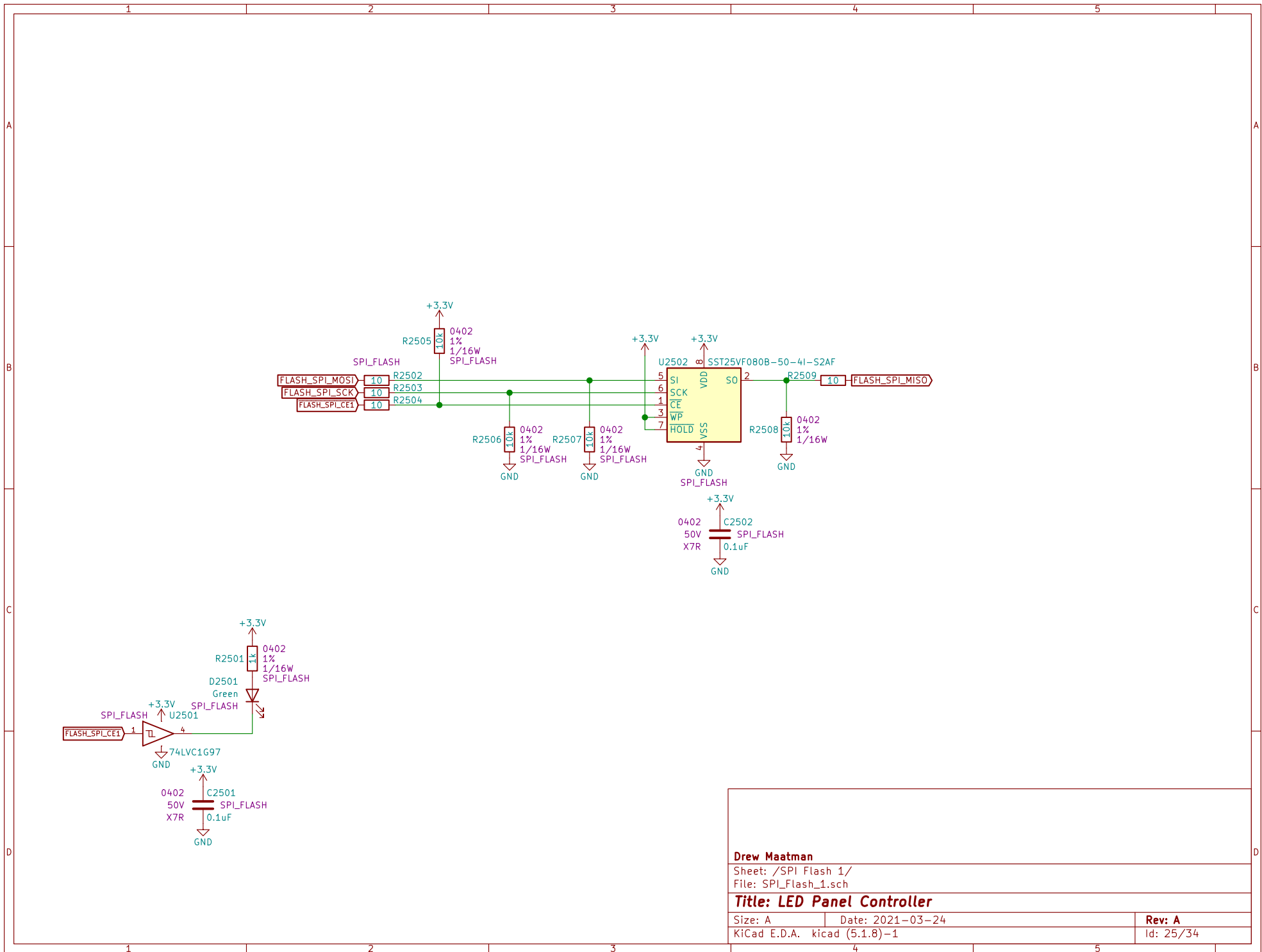
Sheet: /SPI Flash 0/  
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**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
KiCad E.D.A. kicad (5.1.8)-1

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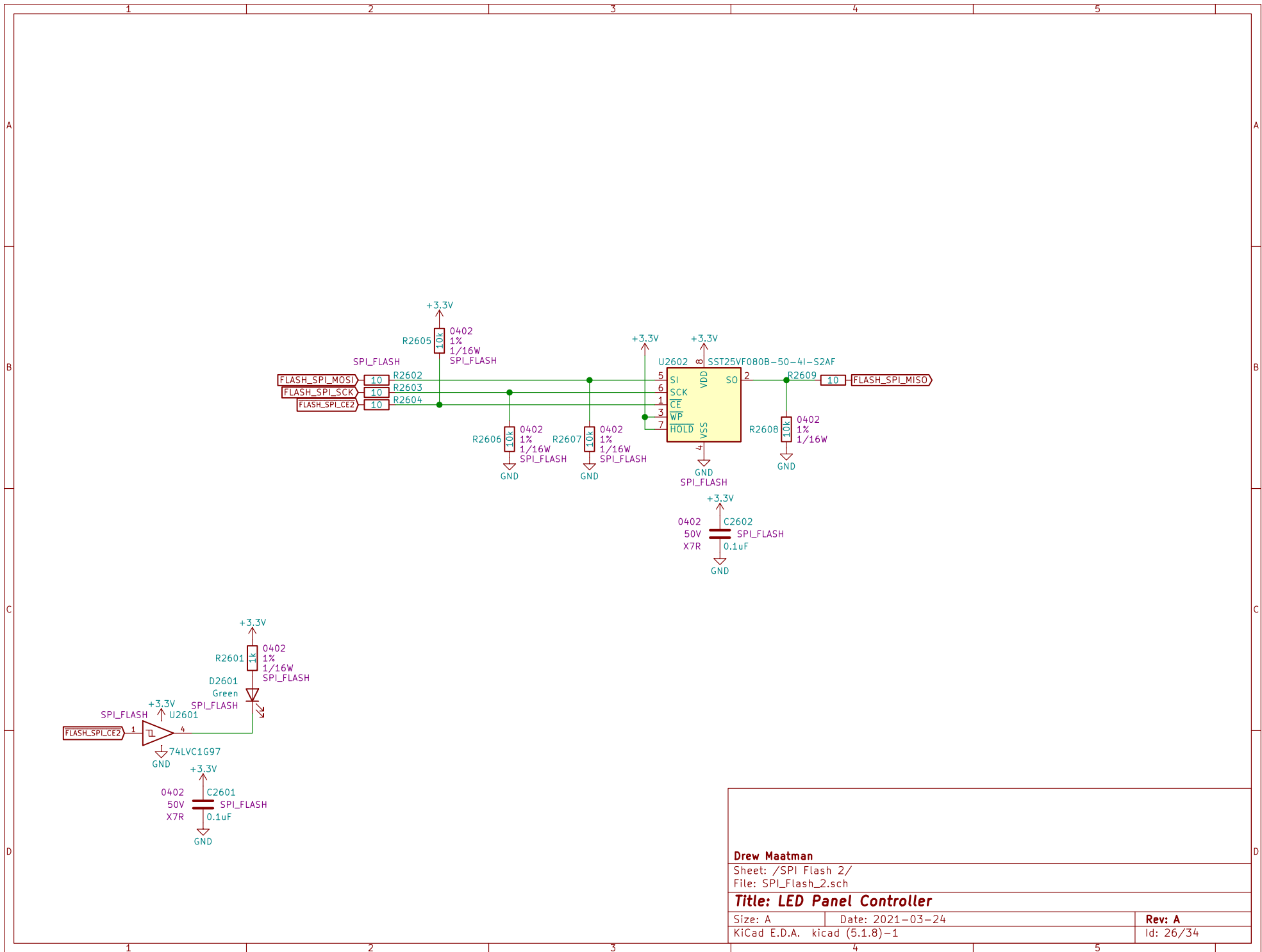
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Sheet: /SPI Flash 1/  
File: SPI\_Flash\_1.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
KiCad E.D.A. kicad (5.1.8)-1

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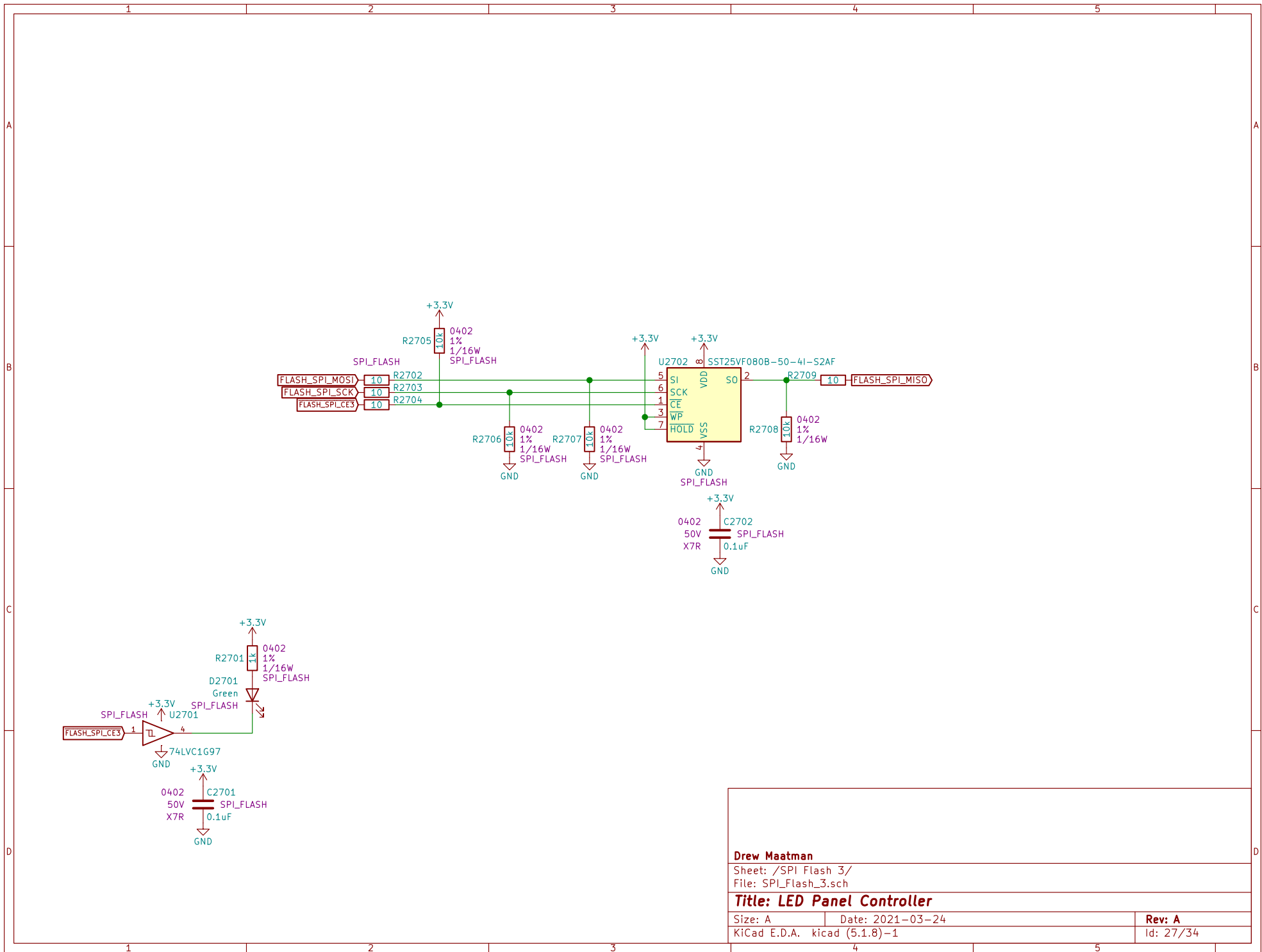
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Sheet: /SPI Flash 2/  
File: SPI\_Flash\_2.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
KiCad E.D.A. kicad (5.1.8)-1

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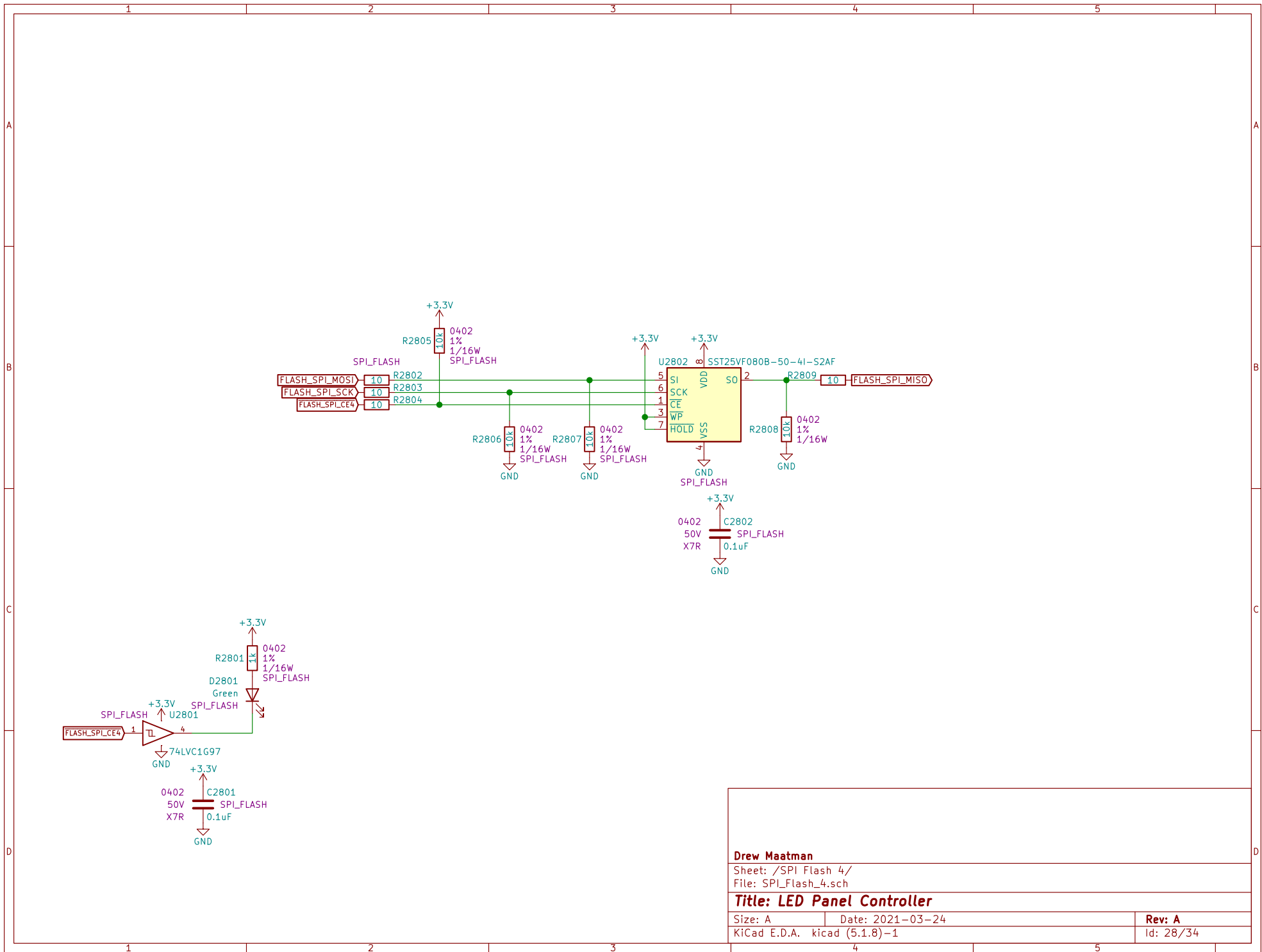
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Sheet: /SPI Flash 3/  
File: SPI\_Flash\_3.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
KiCad E.D.A. kicad (5.1.8)-1

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Sheet: /SPI Flash 4/

File: SPI\_Flash\_4.sch

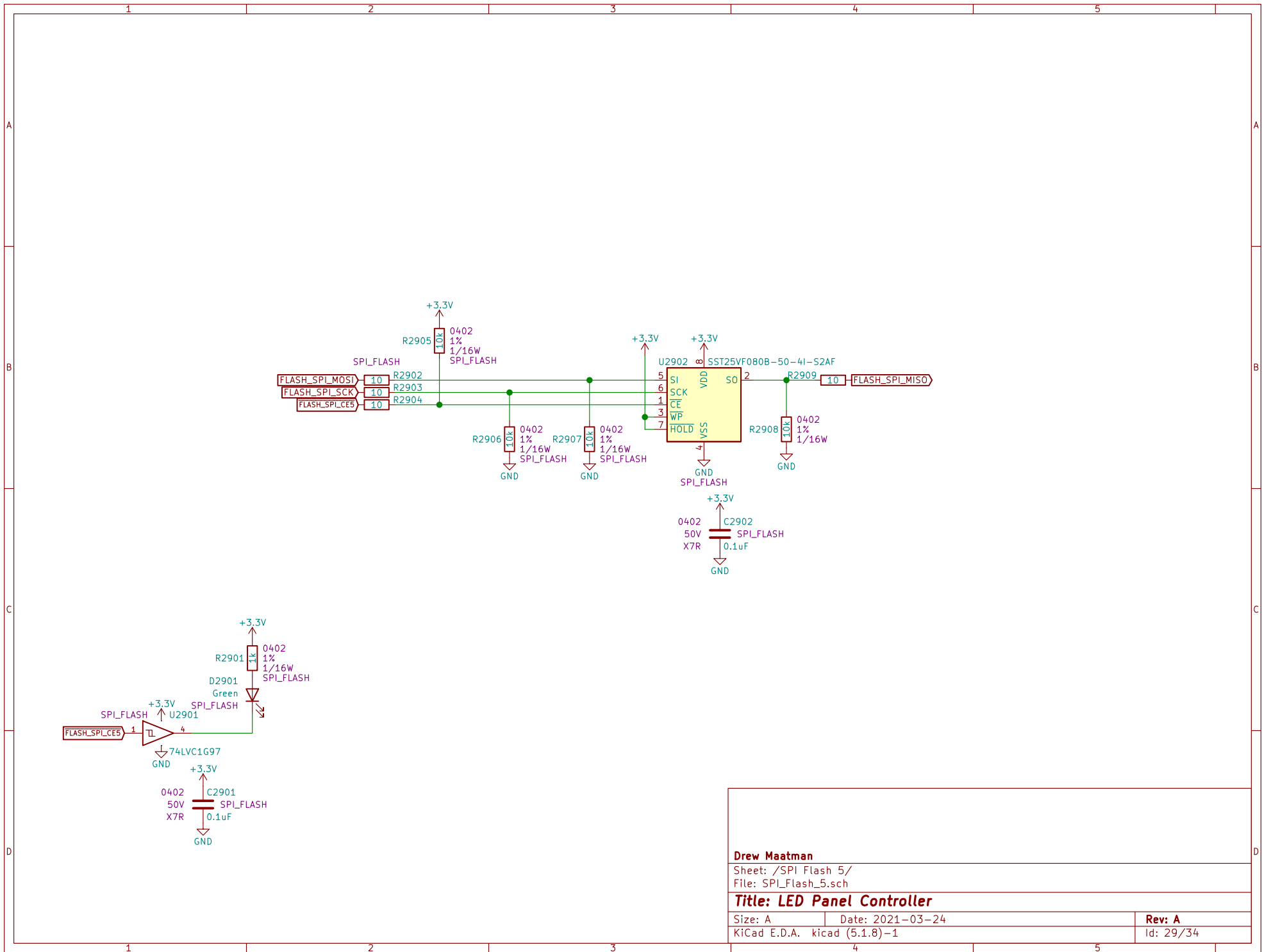
**Title: LED Panel Controller**

Size: A Date: 2021-03-24

KiCad E.D.A. kicad (5.1.8)-1

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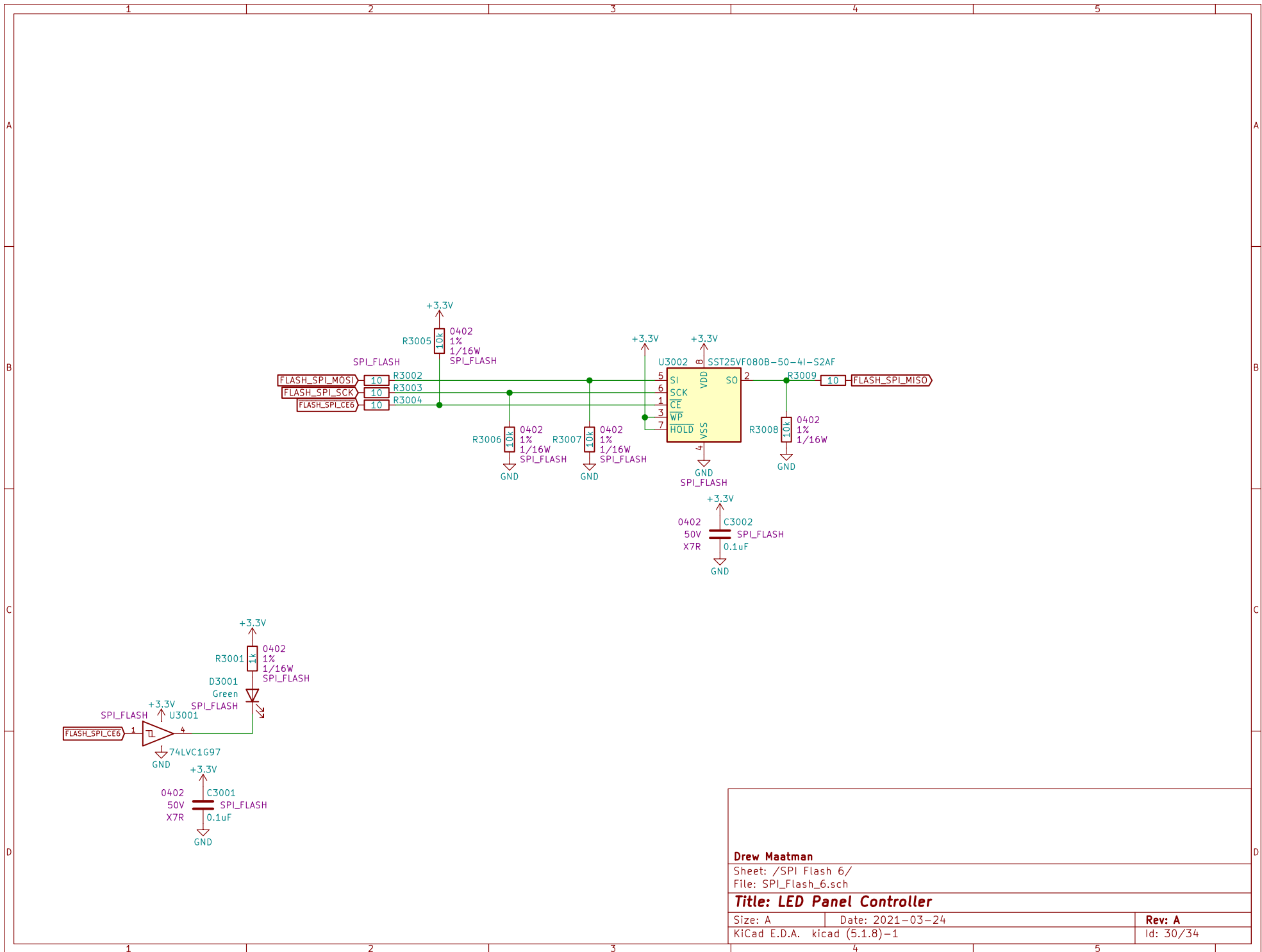
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Sheet: /SPI Flash 5/  
File: SPI\_Flash\_5.sch

### Title: LED Panel Controller

Size: A      Date: 2021-03-24  
KiCad E.D.A.    kicad (5.1.8)-1

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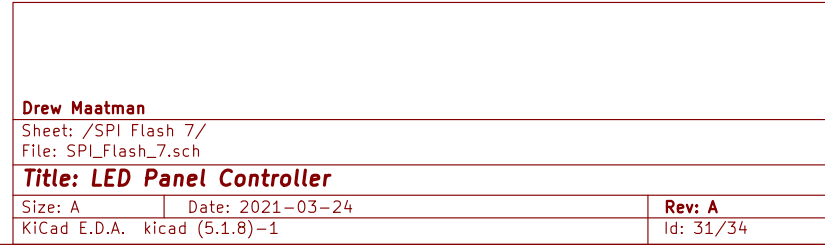
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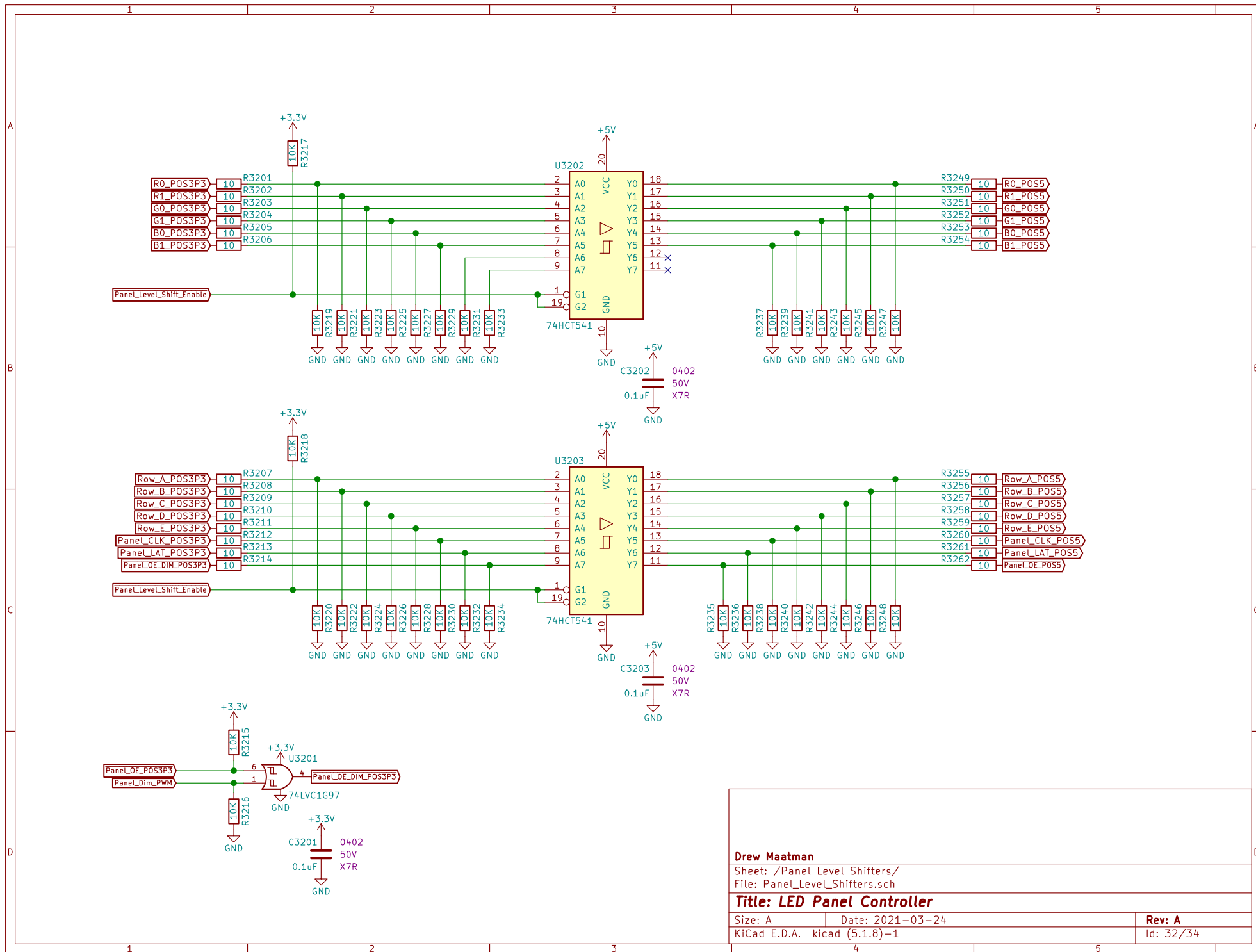
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**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
KiCad E.D.A. kicad (5.1.8)-1

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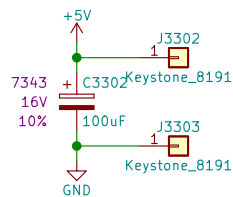
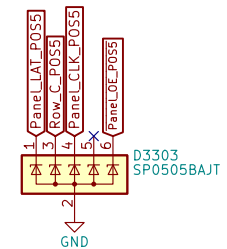
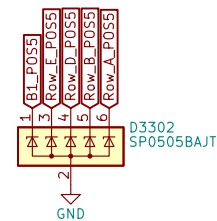
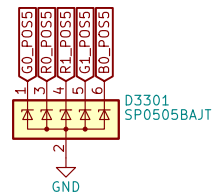
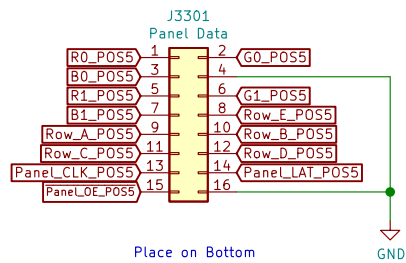
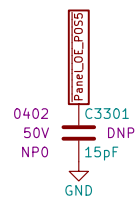
Sheet: /Panel Level Shifters/  
File: PanelLevelShifters.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
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Add cut in PCB to allow for power harness to pass through to panel

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Sheet: /Panel Connectors/  
File: Panel\_Connectors.sch

**Title: LED Panel Controller**

Size: A Date: 2021-03-24  
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