

LED Panel Controller

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Sheet: USB Telemetry

File: USB_Telemetry.sch

TODO:

- Determine actual +12V current draw, reevaluate input pro
- Determine image size, external flash size- 16,384 bytes
- * Figure out screen modes/mode LEDs
- * Draw WiFi module sheet
- * What PIC32MZ SKU will we use? Should be highest memor

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Sheet: /

File: LED_Panel_Controller.sch

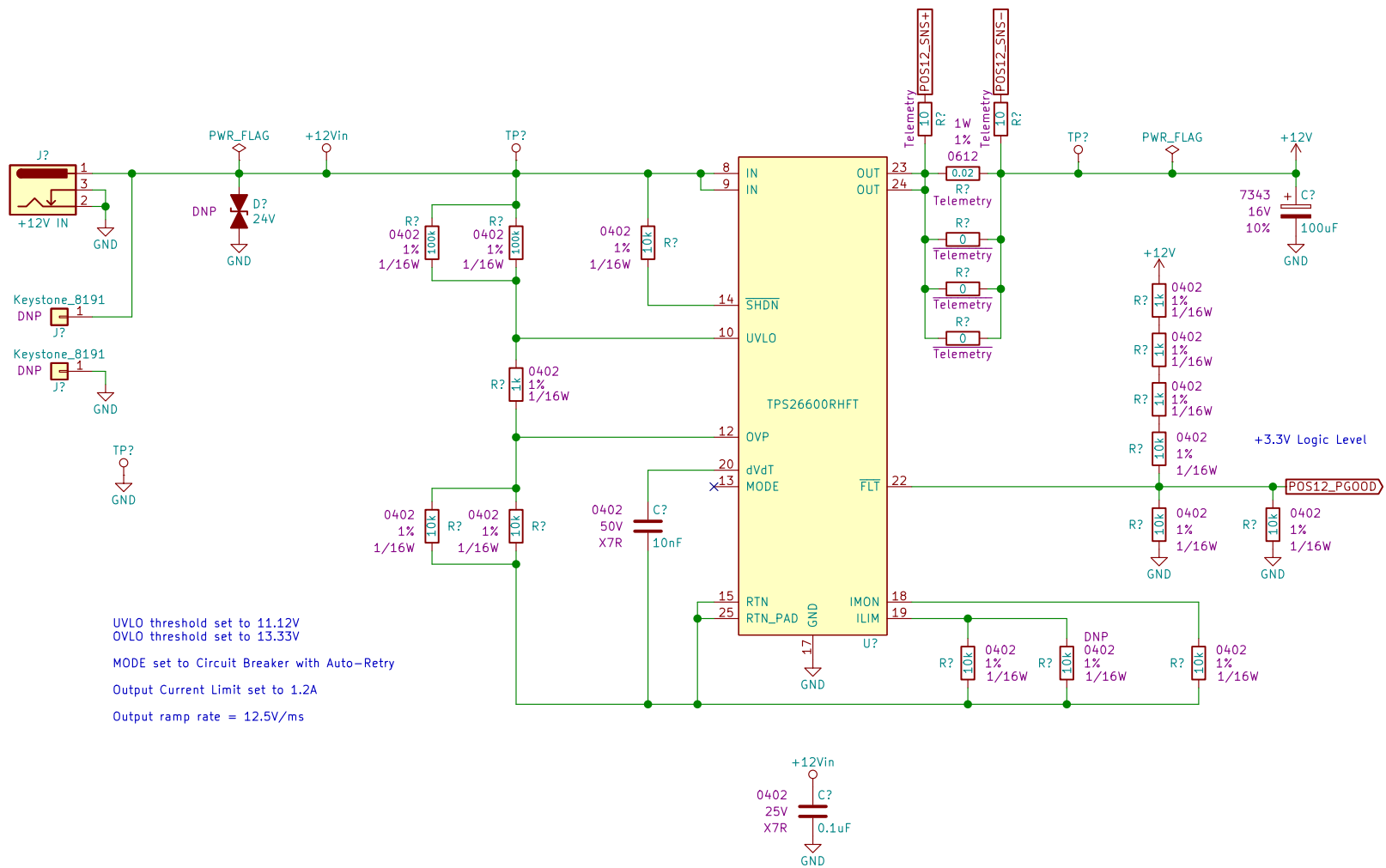
Title: LED Panel Controller

Size: A Date: 2020-12-23

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Sheet: /+12V Input/

File: POS12_Input.sch

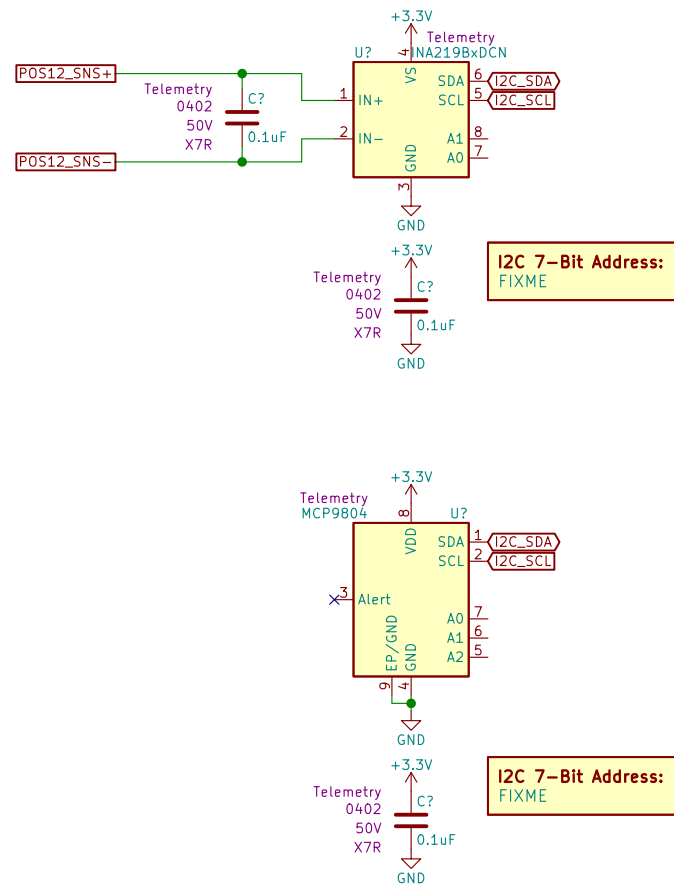
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Size: A Date: 2020-12-31

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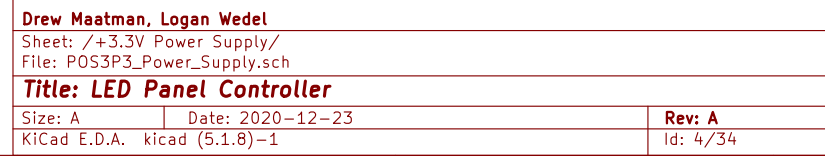
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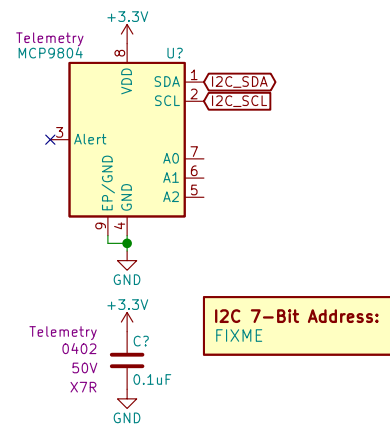
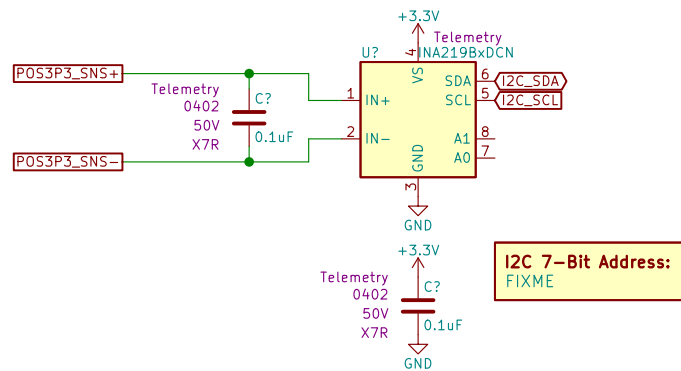
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File: POS12_Telemetry.sch

Title: LED Panel Controller

Size: A Date: 2020-12-23
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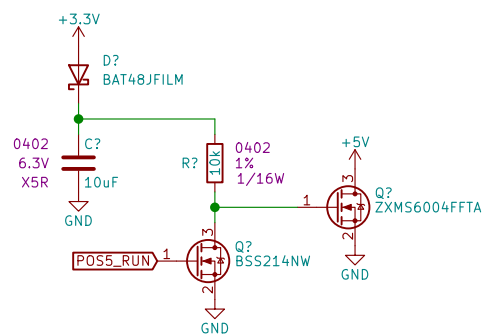
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Sheet: /+3.3V Telemetry/
File: POS3P3_Telemetry.sch

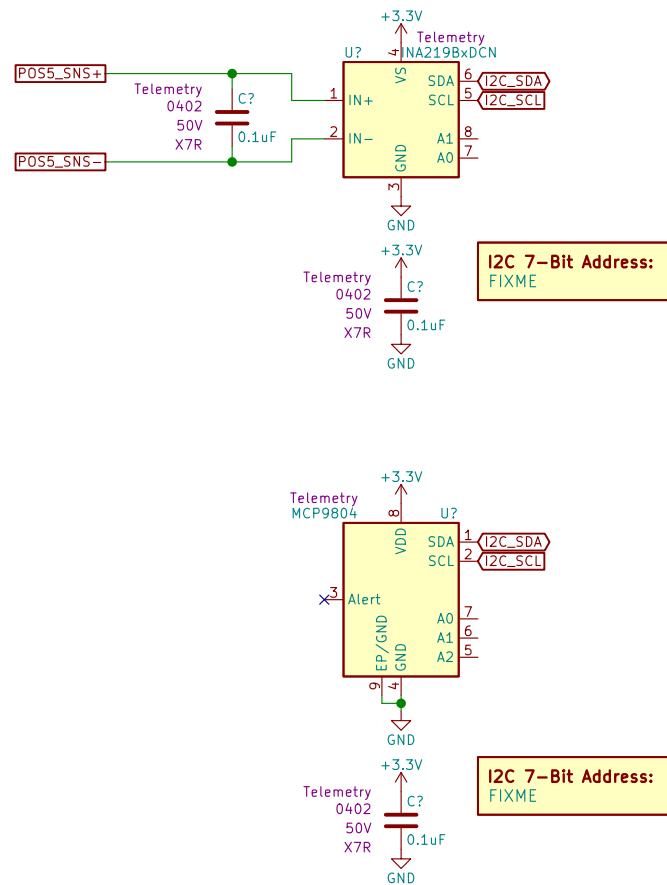
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Sheet: /+5V Telemetry/

File: POS5_Telemetry.sch

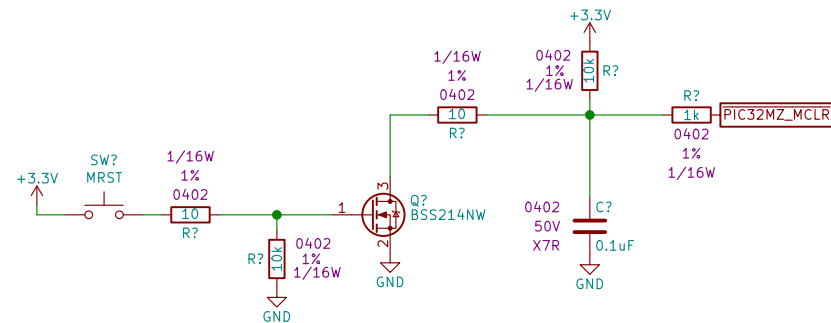
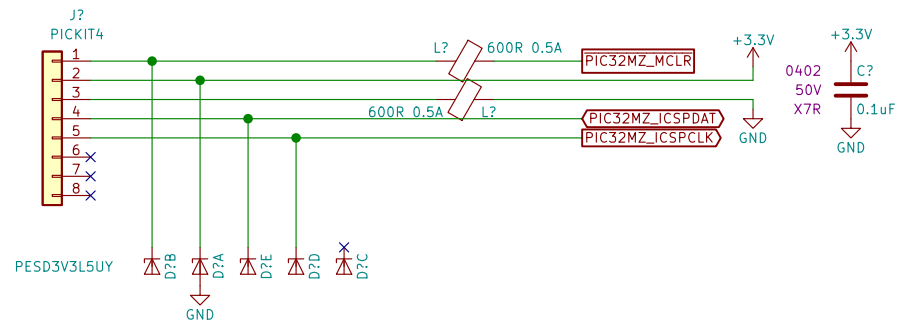
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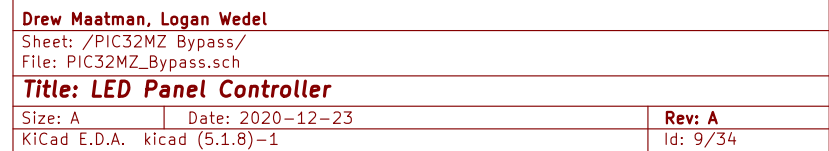
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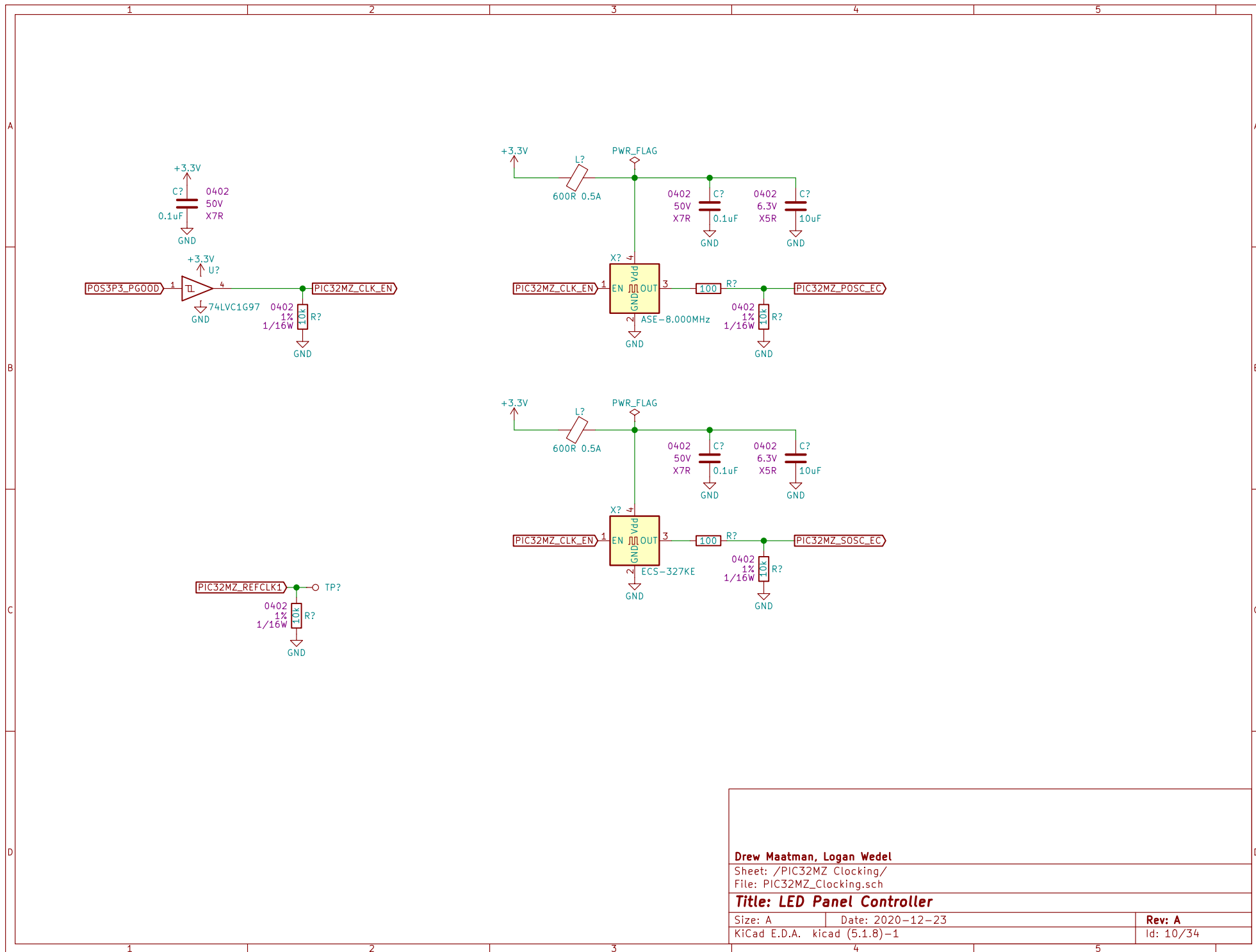
Sheet: /PIC32MZ Programming/
File: PIC32MZ_Programming.sch

Title: LED Panel Controller

Size: A Date: 2020-12-23
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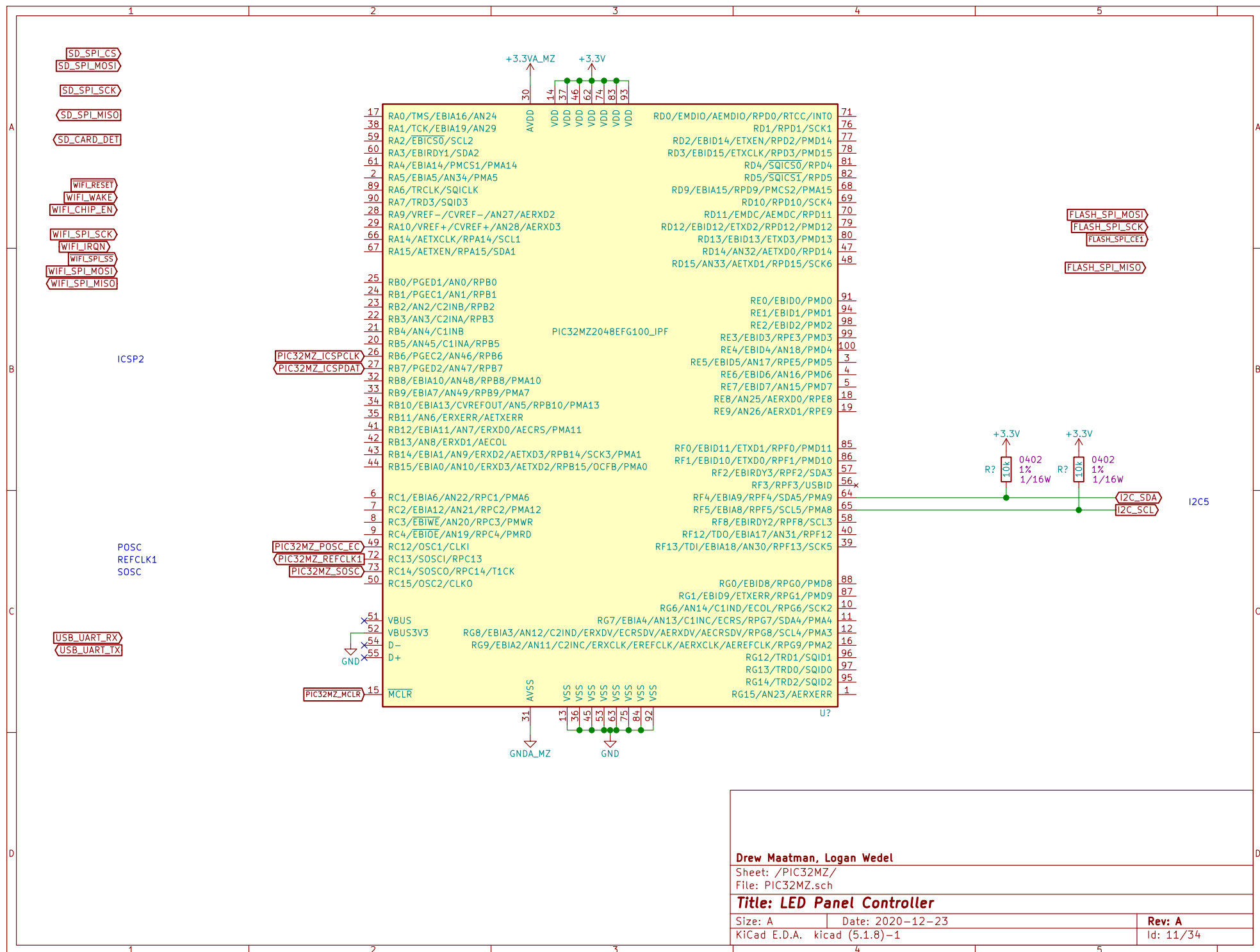
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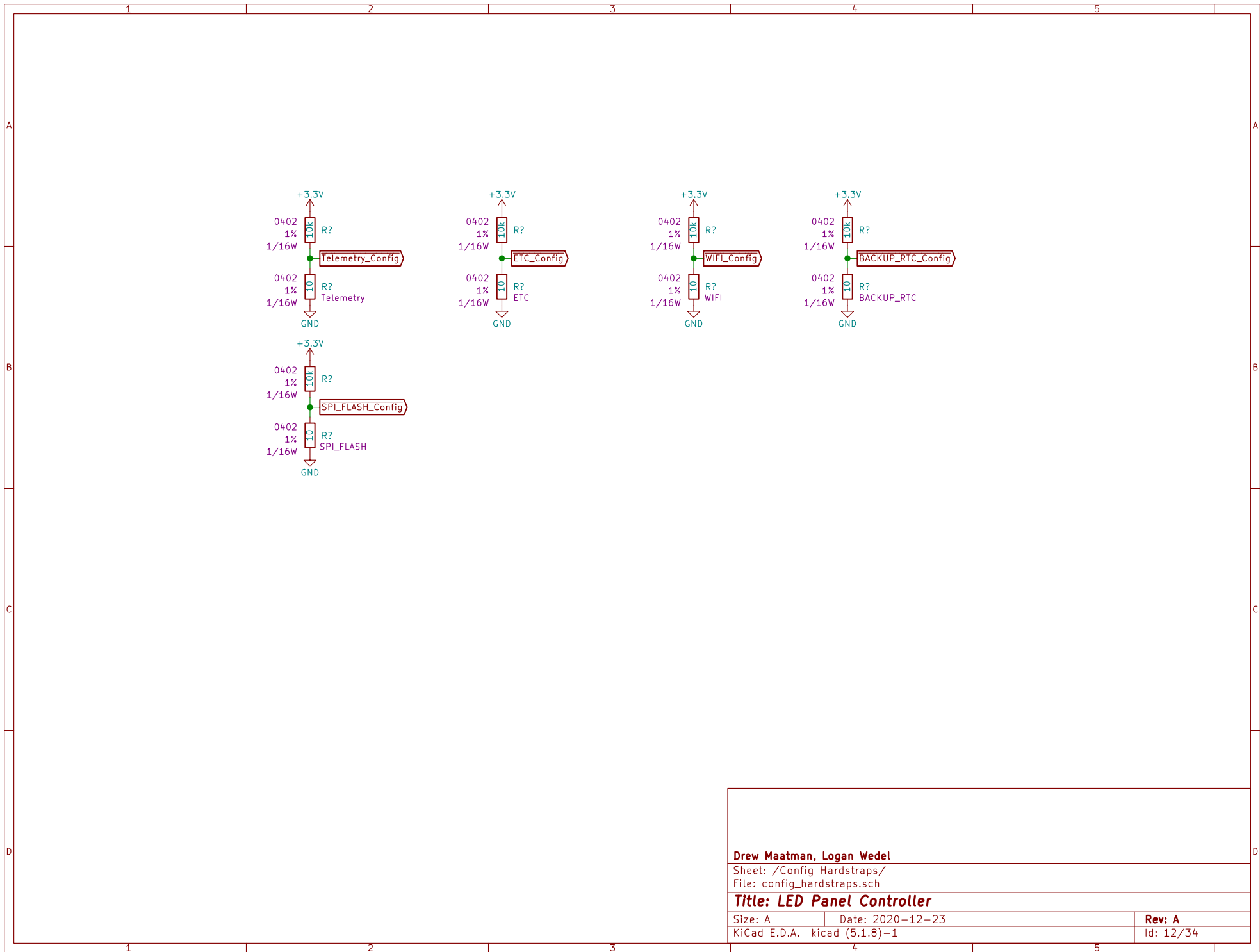
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File: PIC32MZ_Clocking.sch

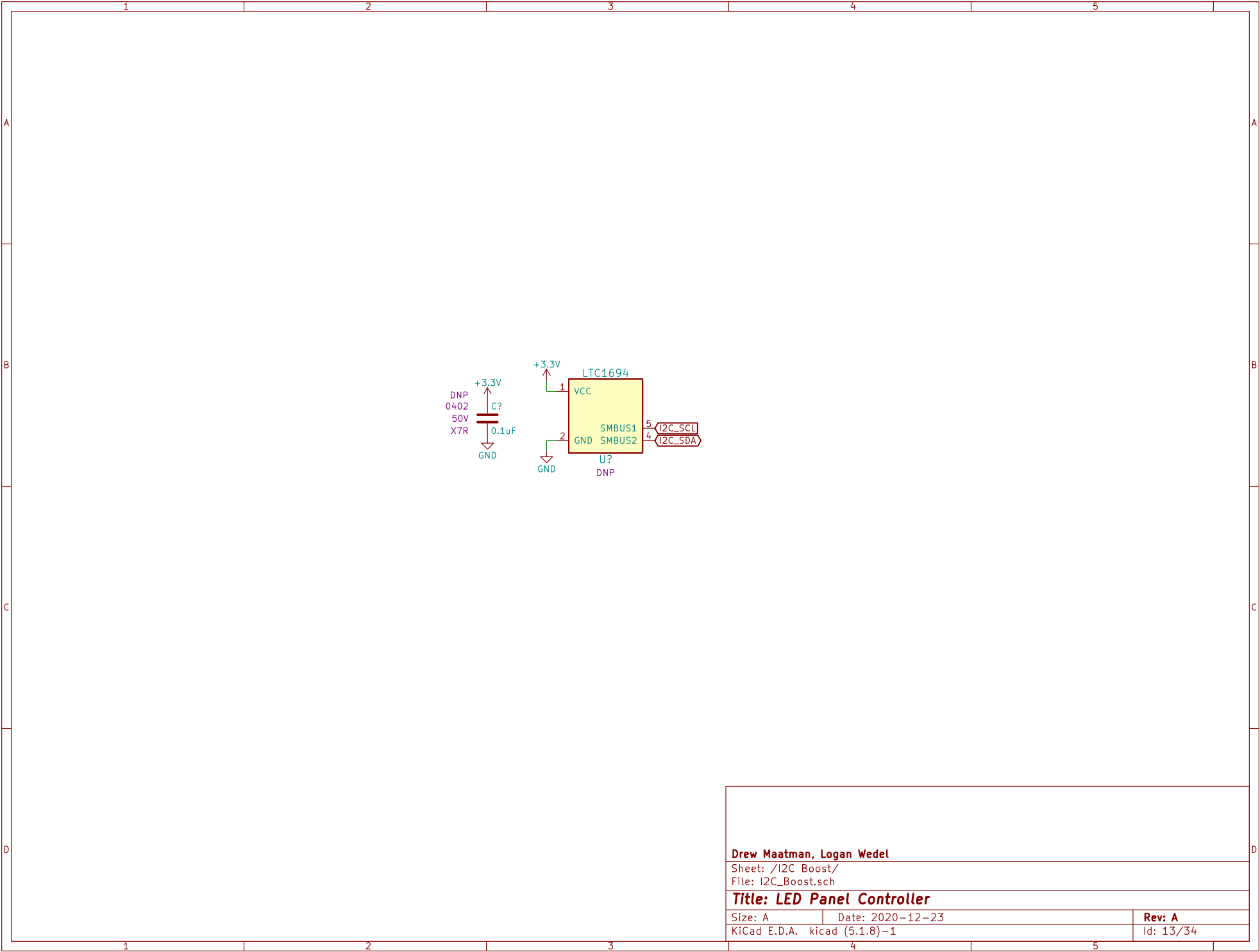
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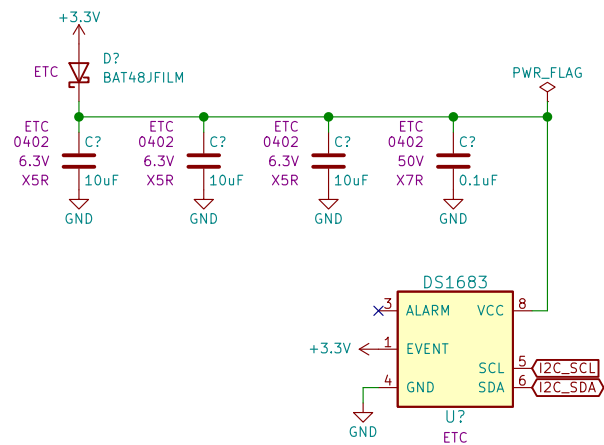
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Sheet: /I2C Boost/
File: I2C_Boost.sch

Title: LED Panel Controller

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I2C 7-Bit Address:
0x6B

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Sheet: /Platform ETC/

File: Platform_ETC.sch

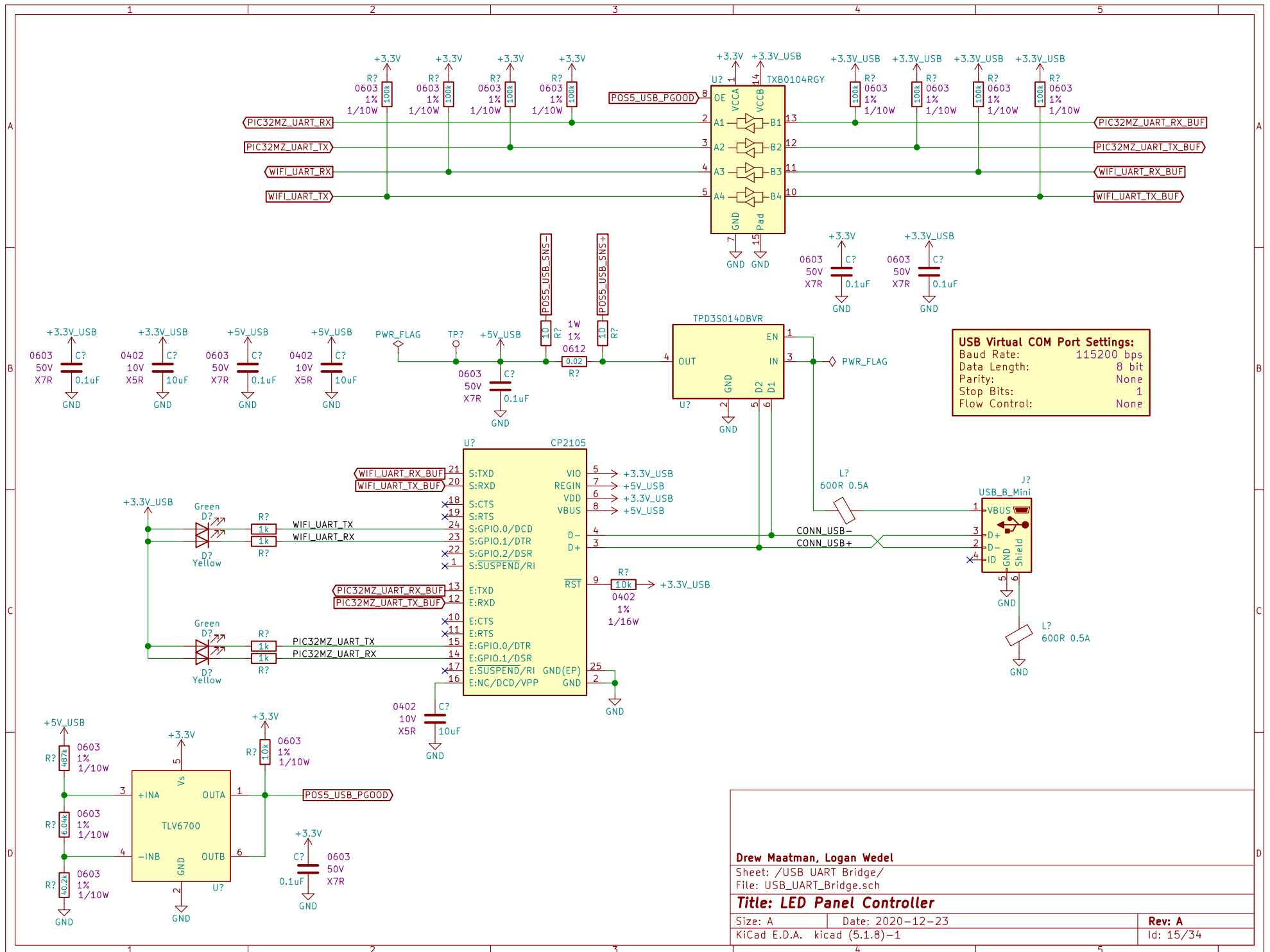
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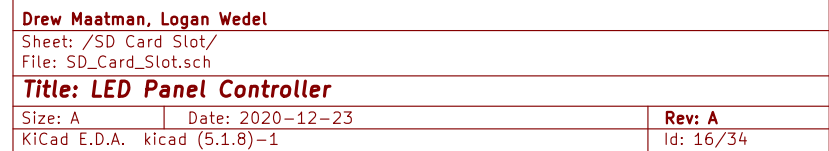
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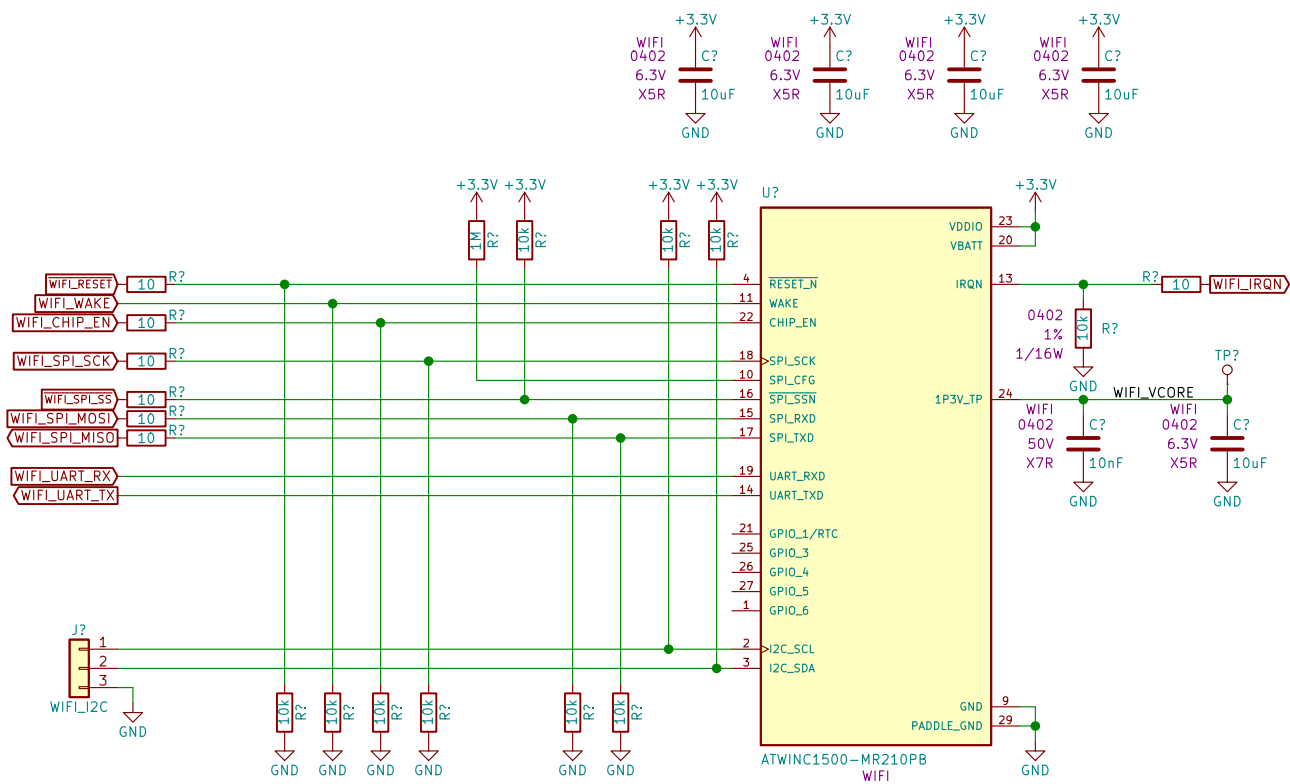
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Sheet: /WiFi Module/

File: WiFi_Module.sch

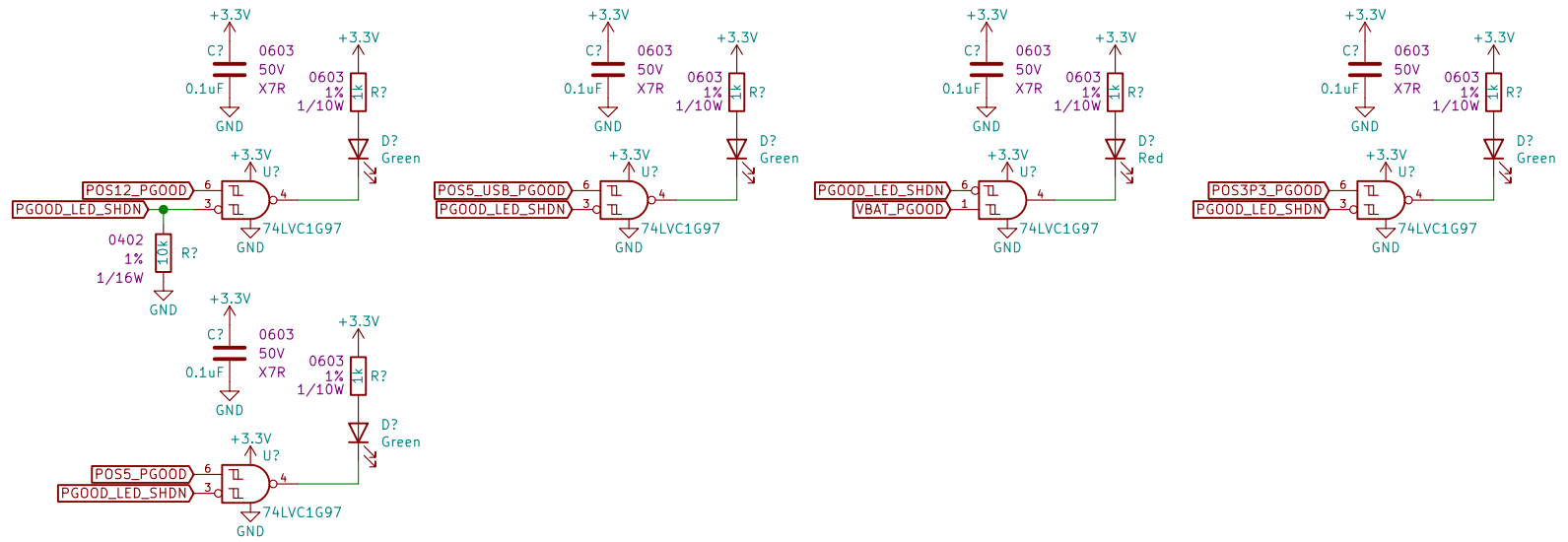
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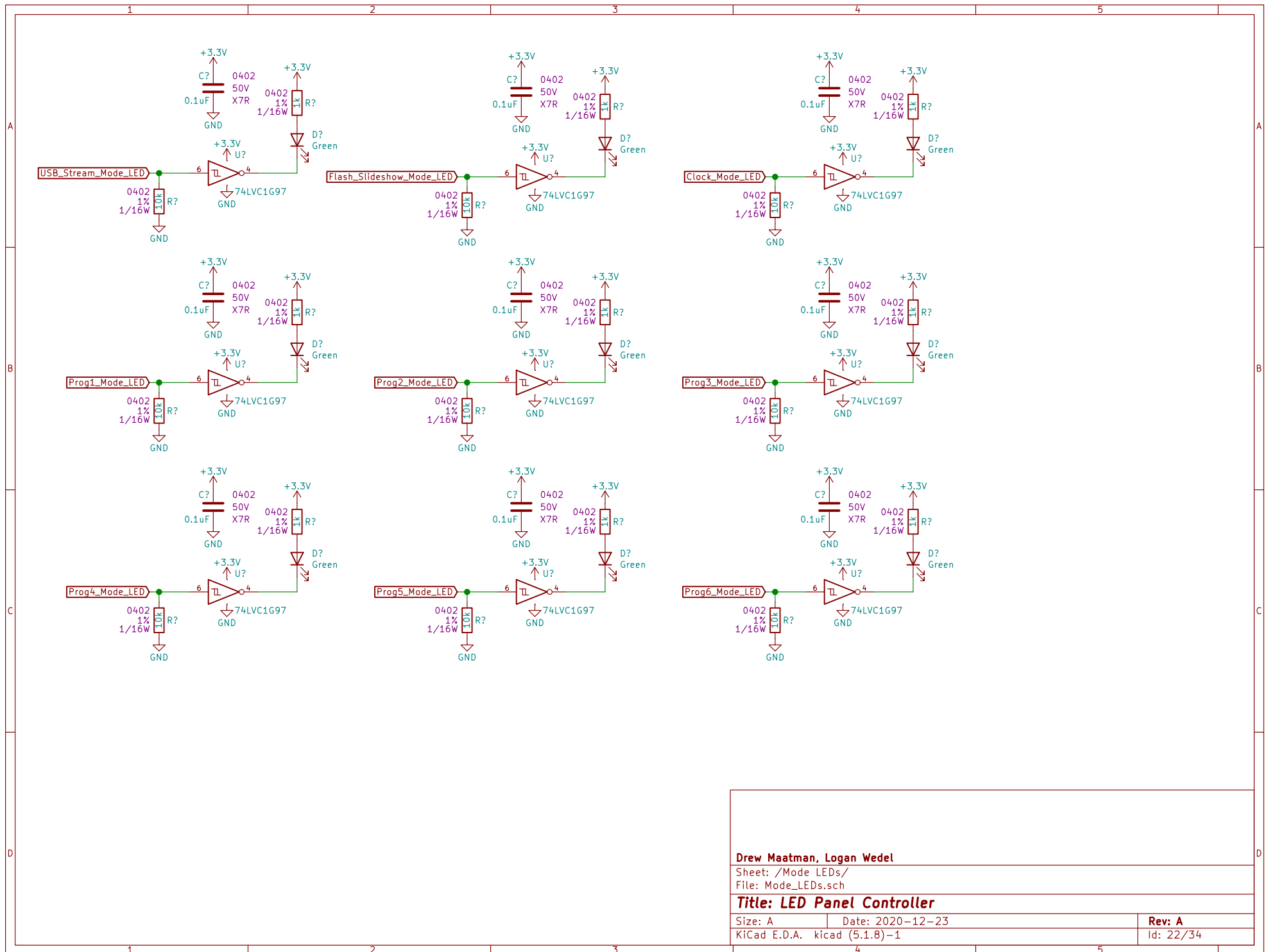
Sheet: /PGOOD LEDs/
File: PGOOD_LEDS.sch

Title: LED Panel Controller

Size: A Date: 2020-12-23
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Sheet: /Mode LEDs/

File: Mode_LEDs.sch

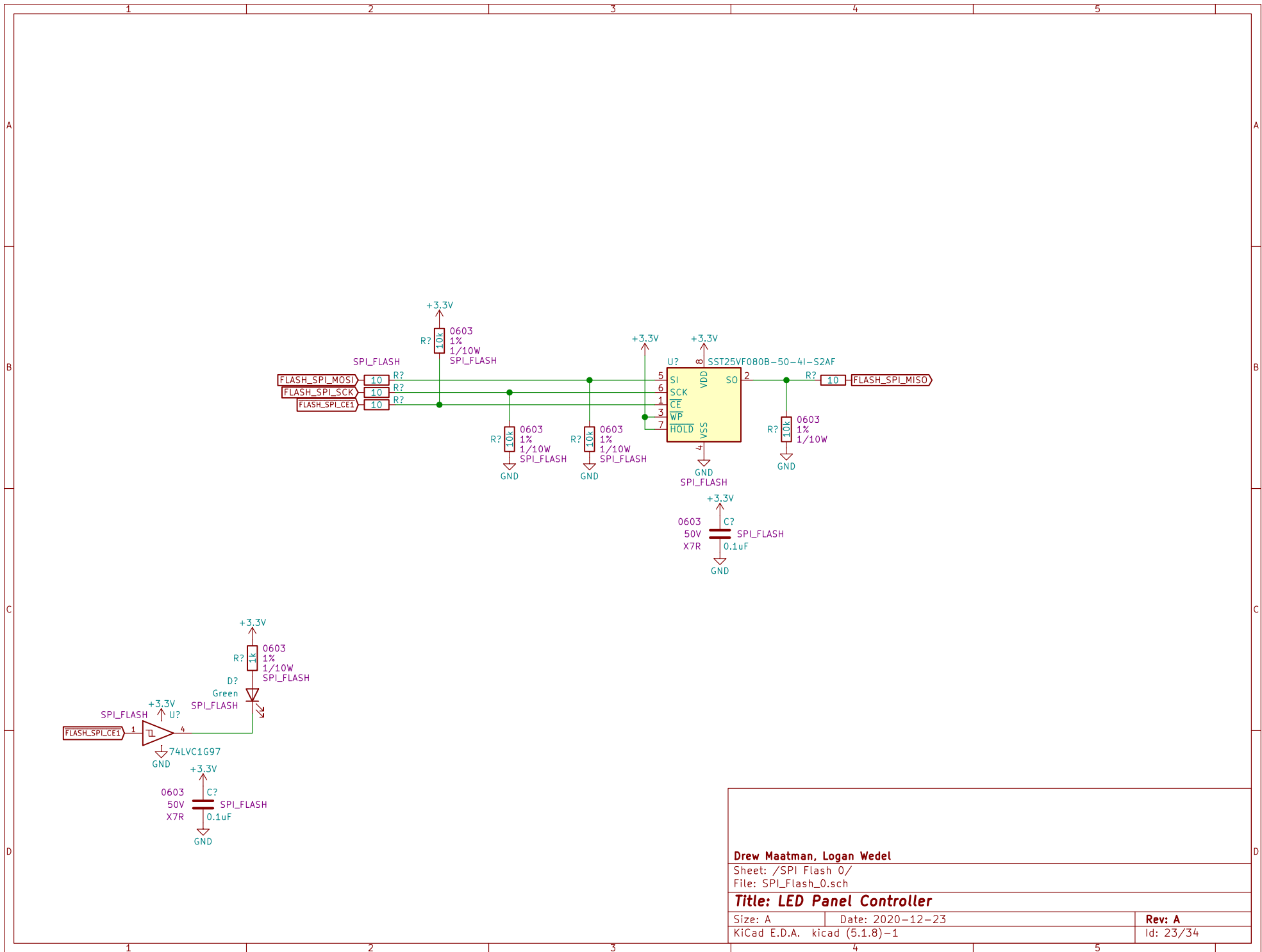
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Sheet: /SPI Flash 0/

File: SPI_Flash_0.sch

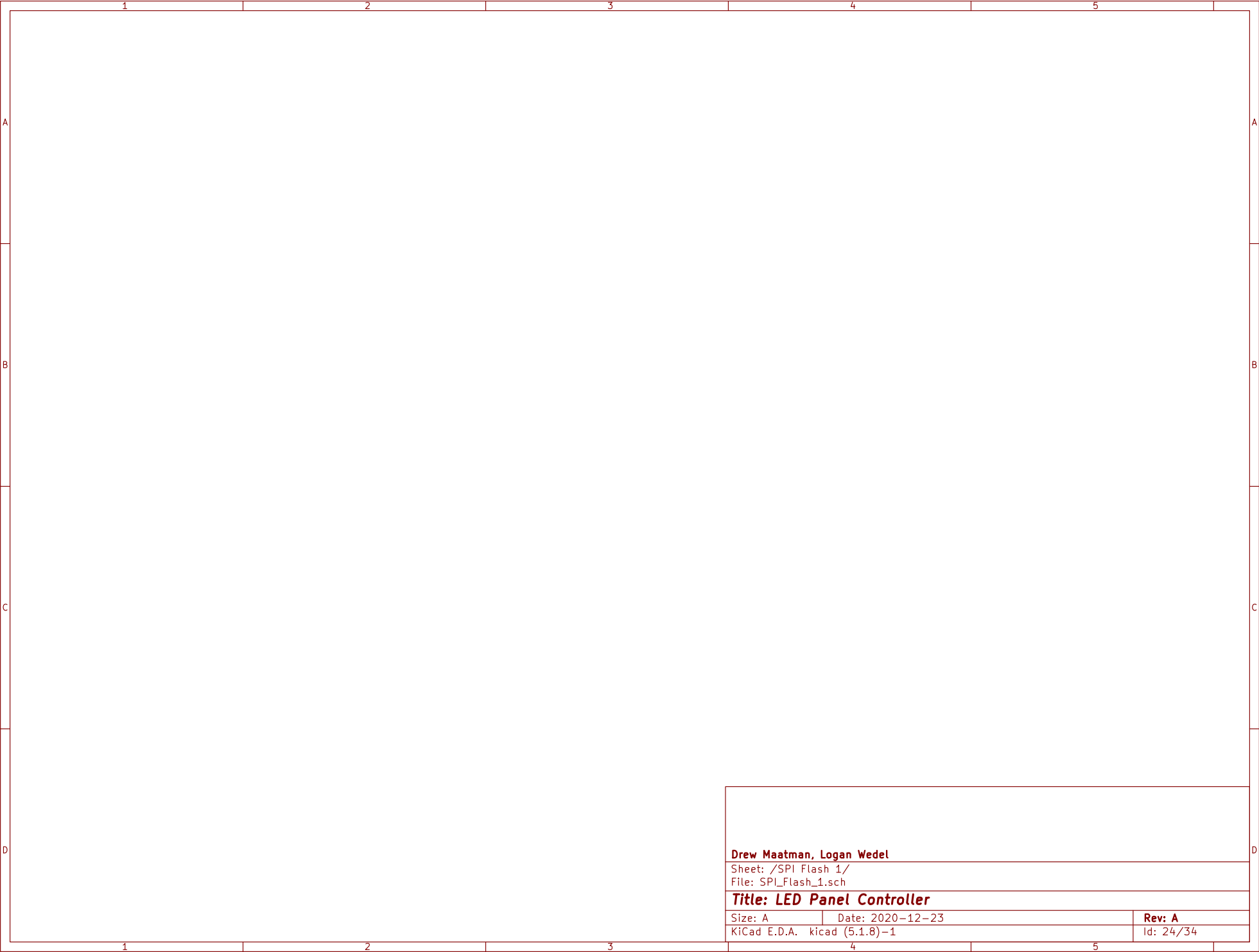
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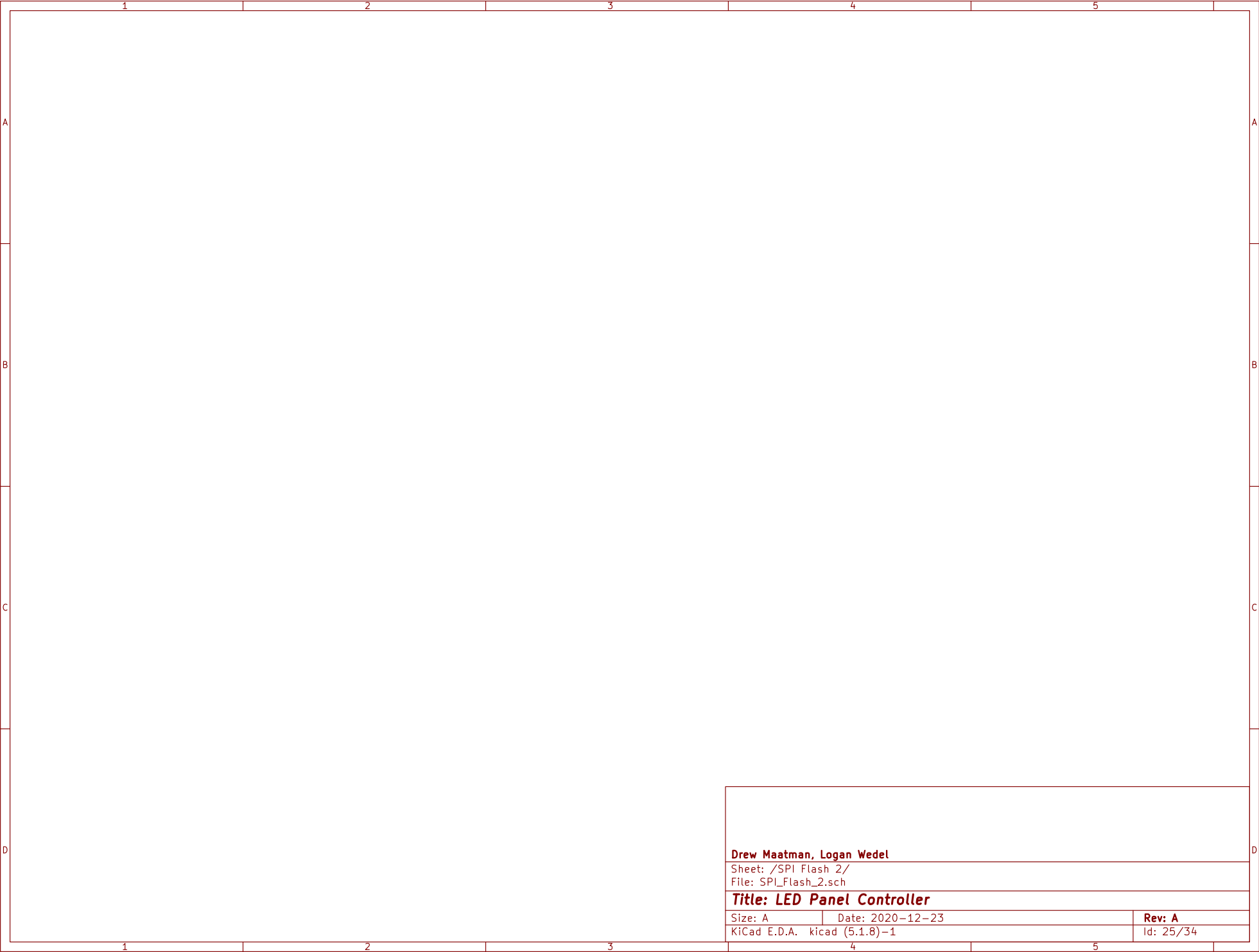
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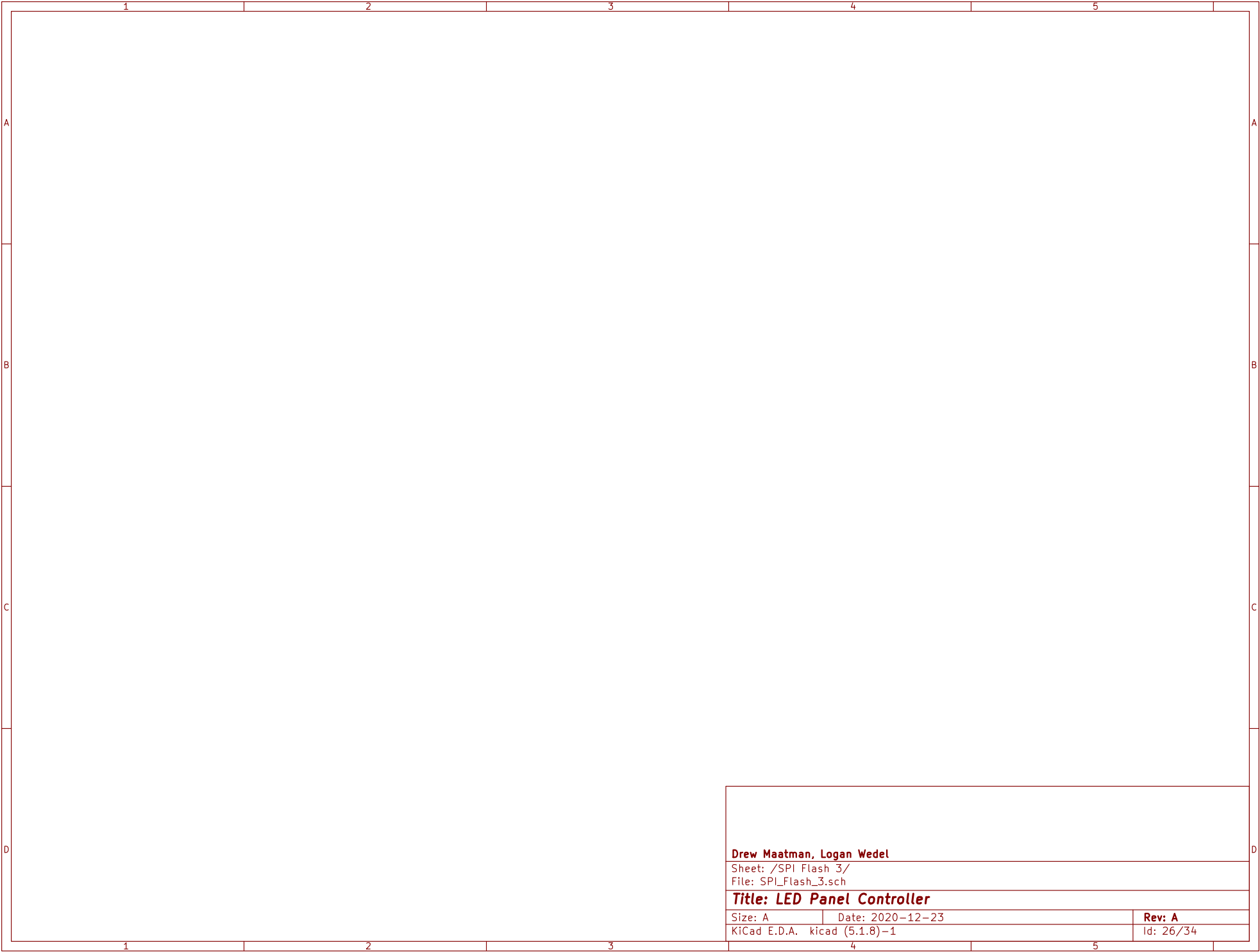
Rev: A

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Sheet: /SPI Flash 2/ File: SPI_Flash_2.sch		
Title: LED Panel Controller		
Size: A	Date: 2020-12-23	Rev: A
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Sheet: /SPI Flash 3/

File: SPI_Flash_3.sch

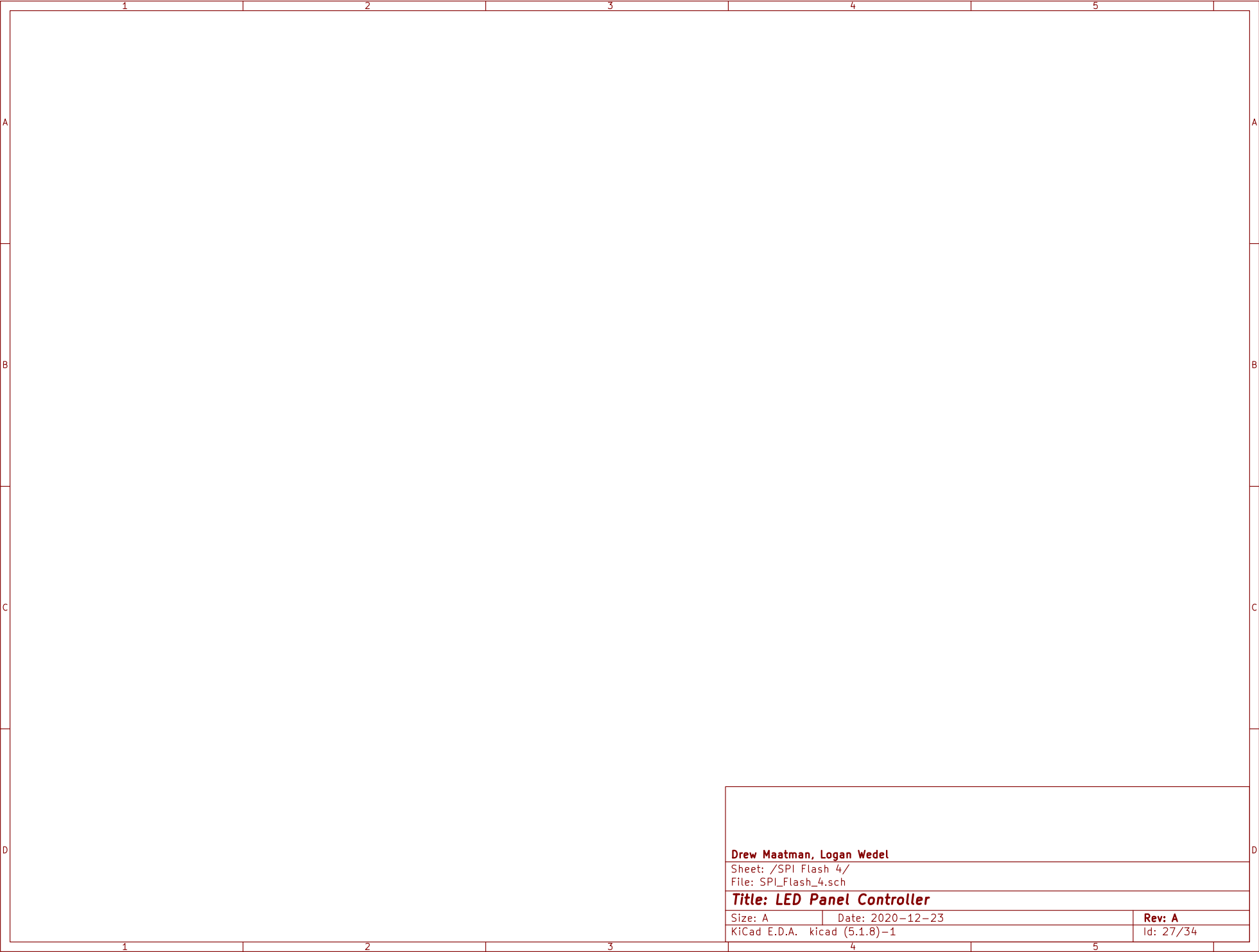
Title: LED Panel Controller

Size: A Date: 2020-12-23

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Sheet: /SPI Flash 4/ File: SPI_Flash_4.sch		
Title: LED Panel Controller		
Size: A	Date: 2020-12-23	Rev: A
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1					2					3					4					5					
A																									A
B																									B
C																									C
D																									D
1					2					3					4					5					

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

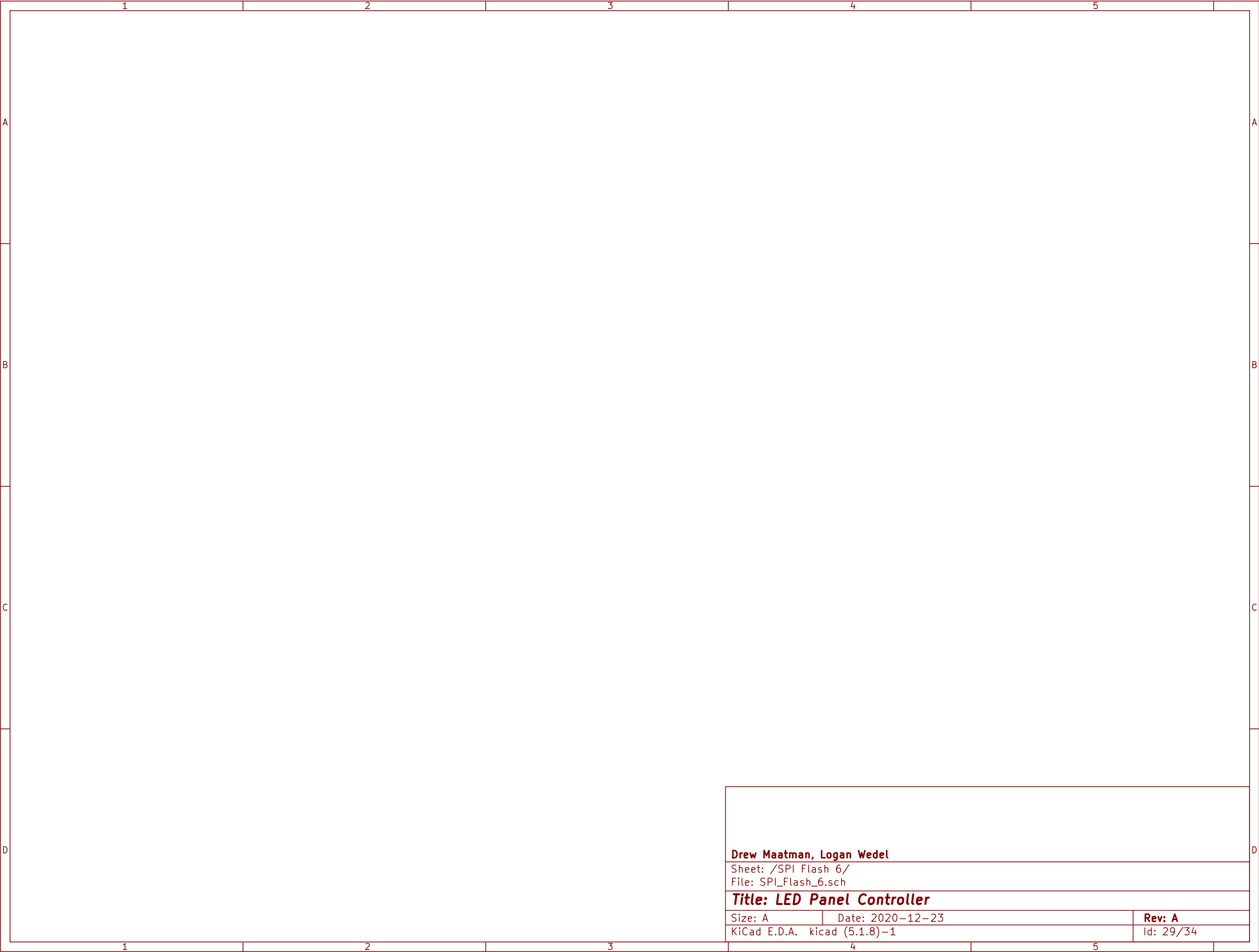
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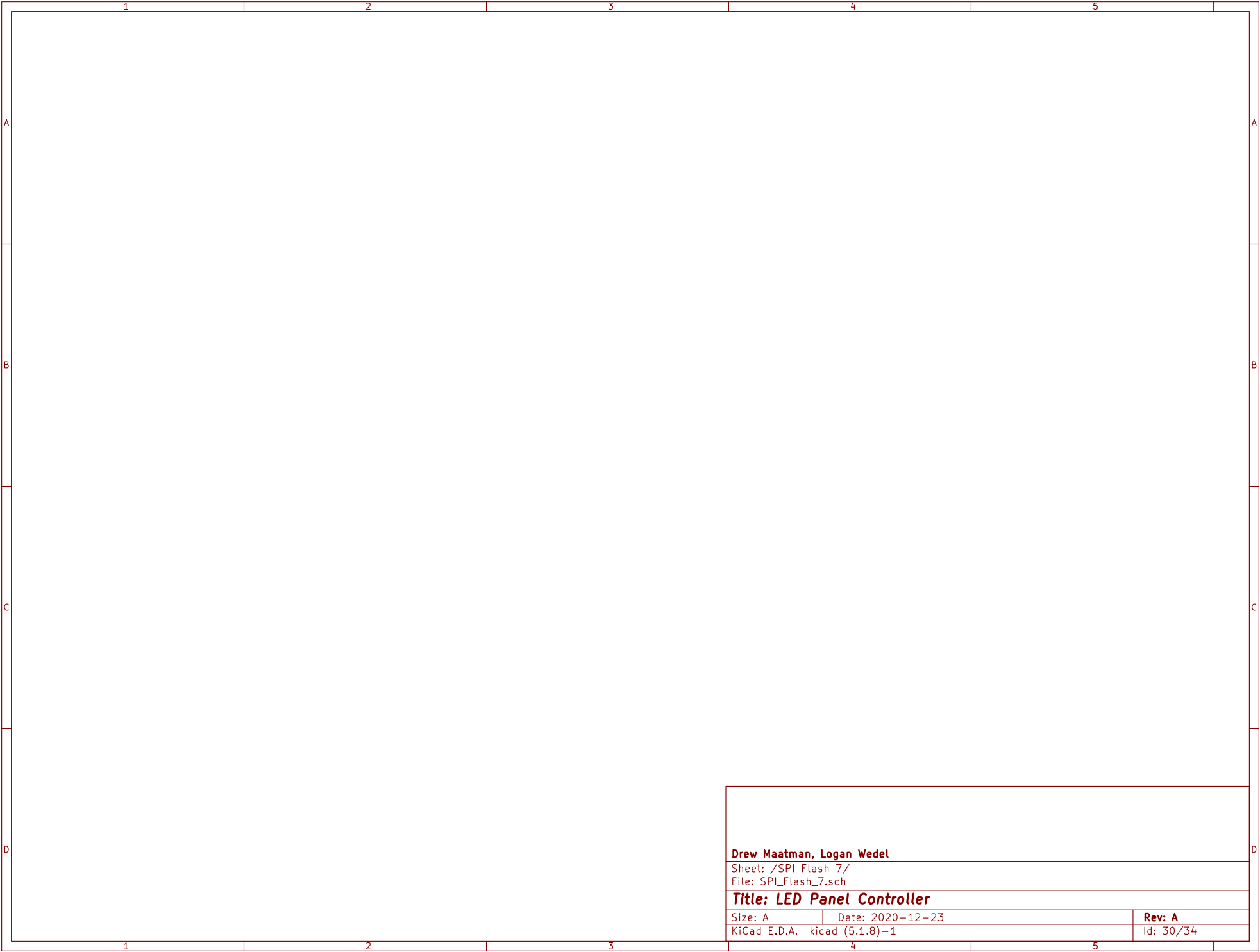
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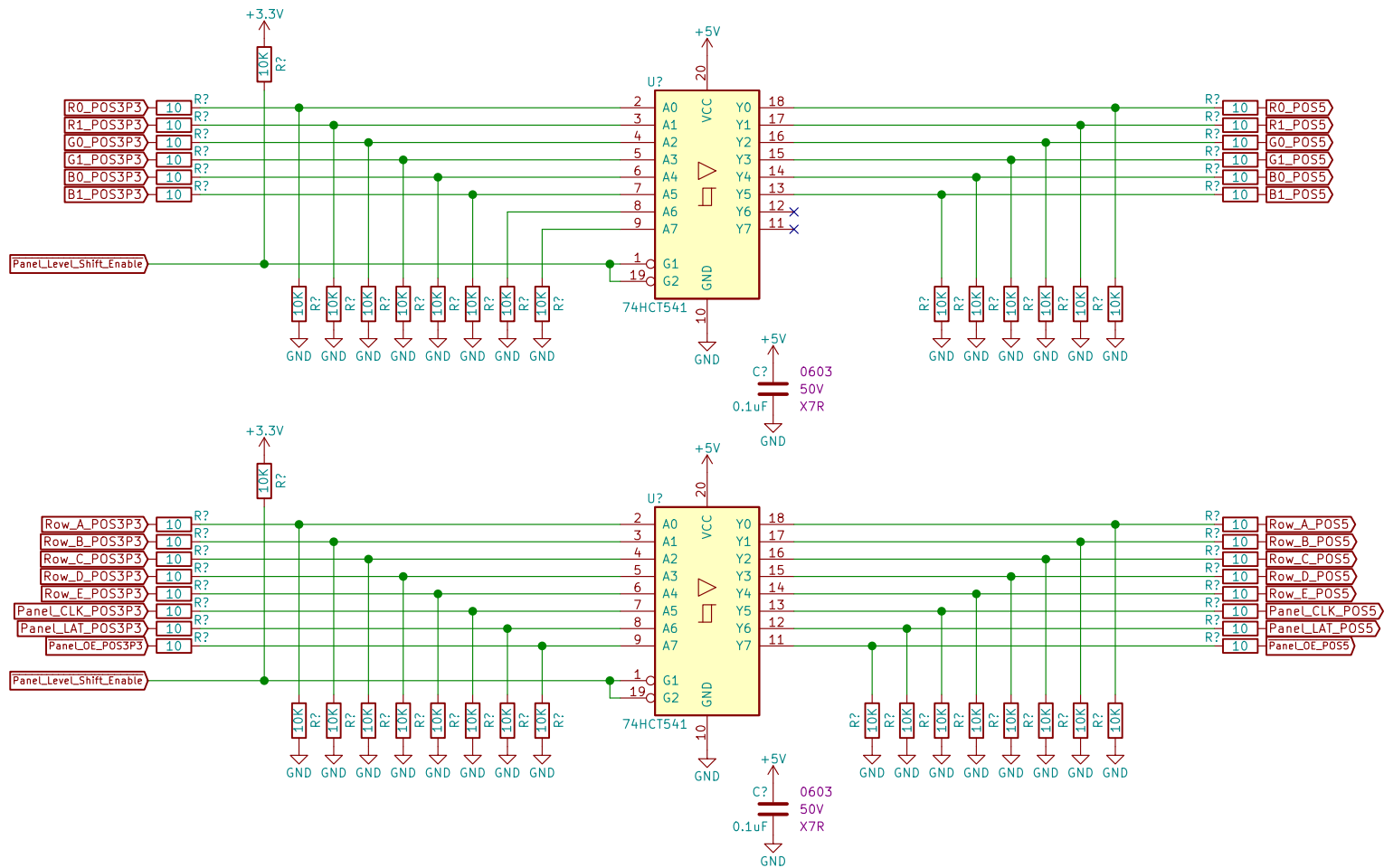
Rev: A
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Sheet: /SPI Flash 5/ File: SPI_Flash_5.sch		
Title: LED Panel Controller		
Size: A	Date: 2020-12-23	Rev: A
KiCad E.D.A. kicad (5.1.8)-1		Id: 28/34





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Sheet: /SPI Flash 7/ File: SPI_Flash_7.sch		
Title: LED Panel Controller		
Size: A	Date: 2020-12-23	Rev: A
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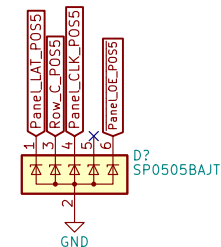
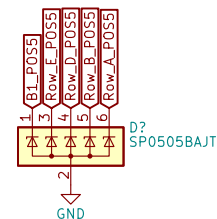
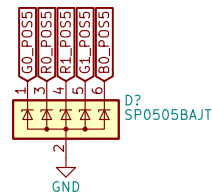
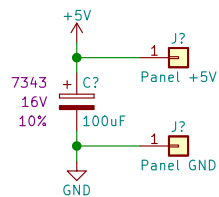
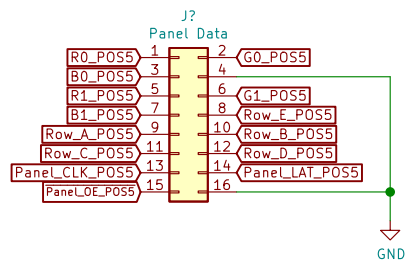
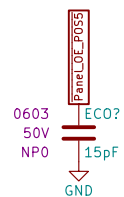
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Sheet: /Panel Level Shifters/
File: PanelLevelShifters.sch

Title: LED Panel Controller

Size: A Date: 2020-12-23
KiCad E.D.A. kicad (5.1.8)-1

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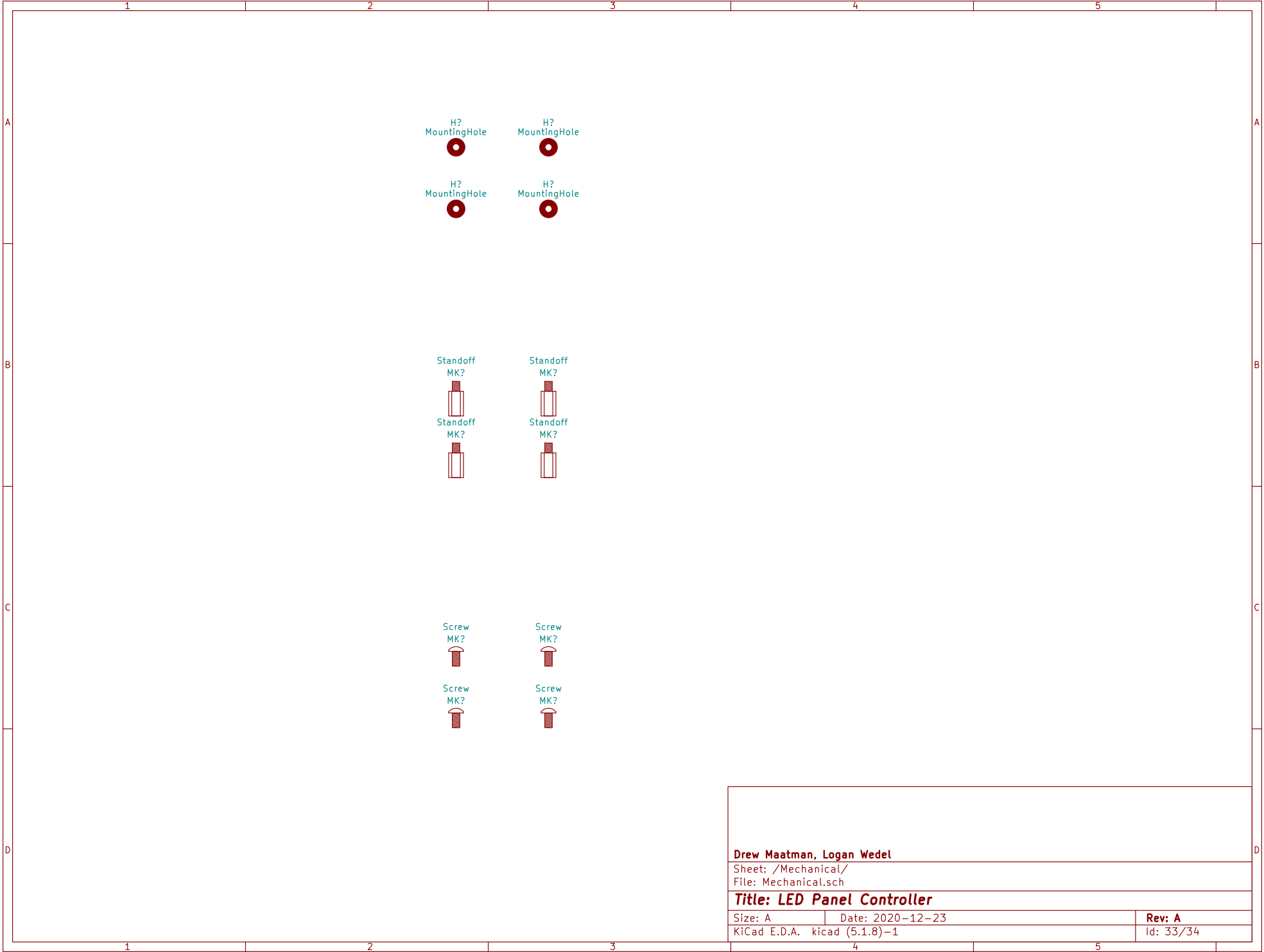
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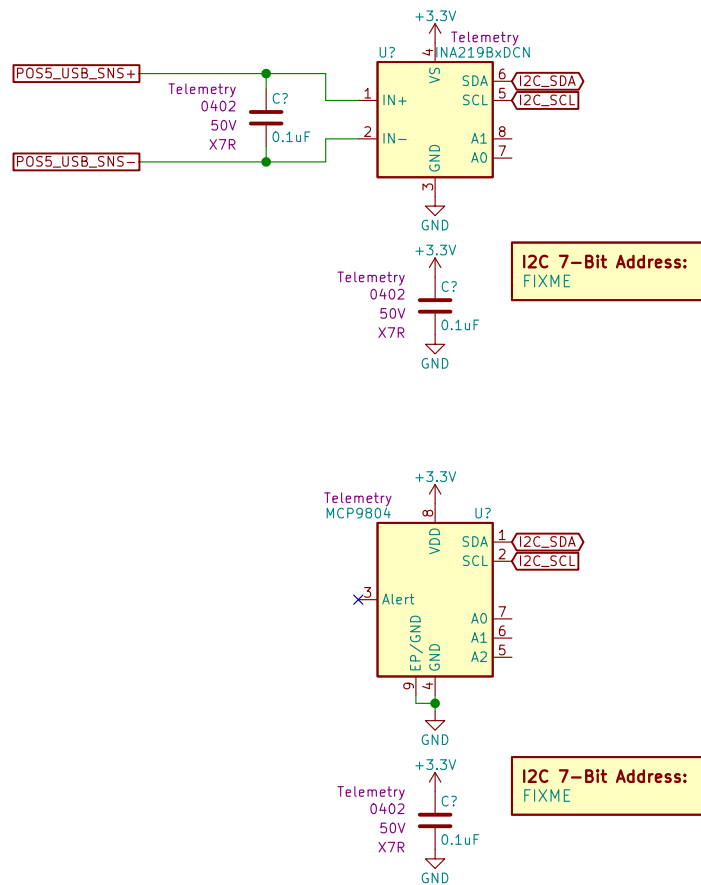
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File: Panel_Connectors.sch

Title: LED Panel Controller

Size: A Date: 2020-12-23
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Sheet: /USB Telemetry/

File: USB_Telemetry.sch

Title: LED Panel Controller

Size: A Date: 2020-12-23

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