

1

2

3

4

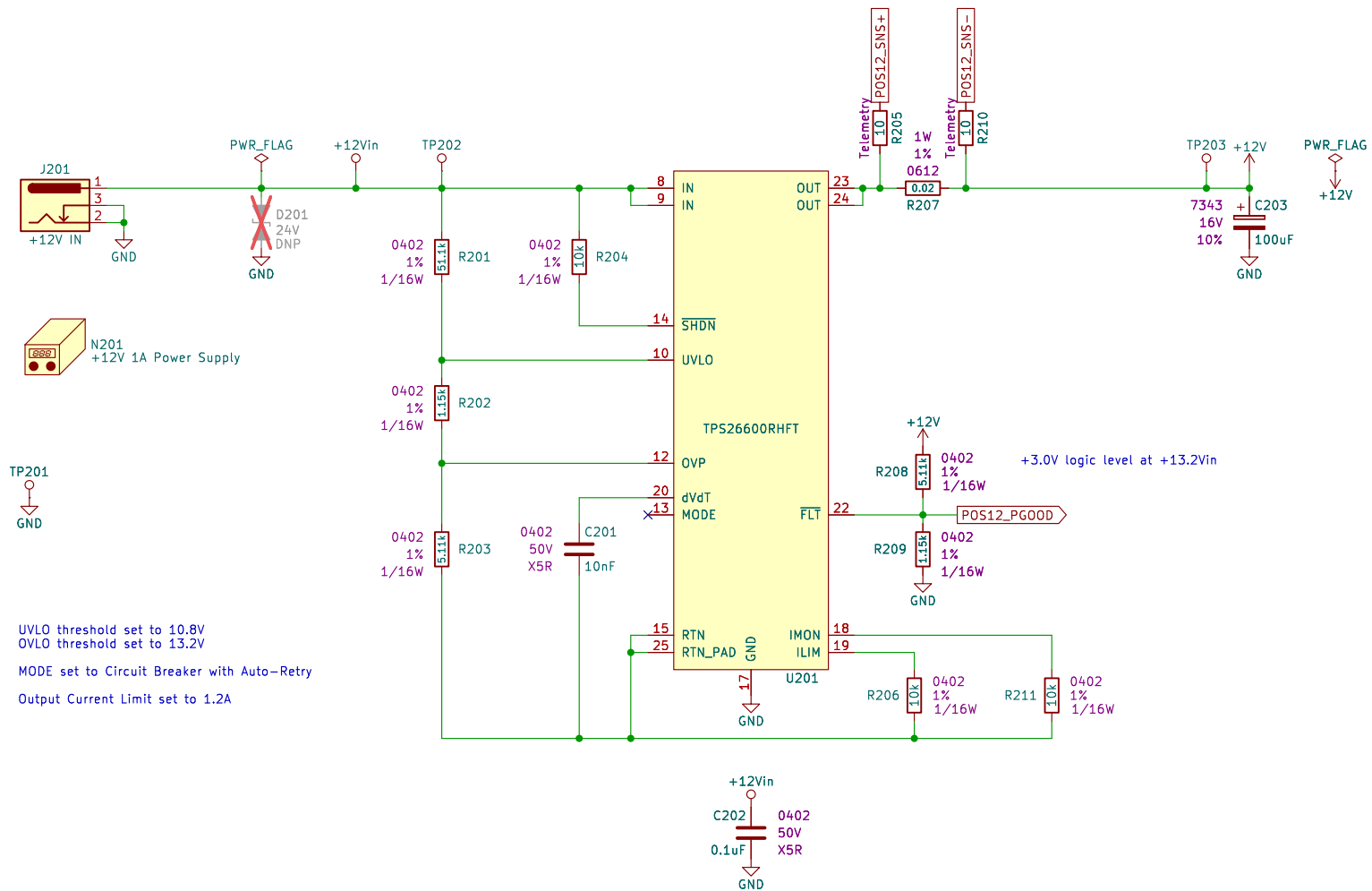
5

Thermal Camera

https://github.com/drewsum/Thermal_Camera

A

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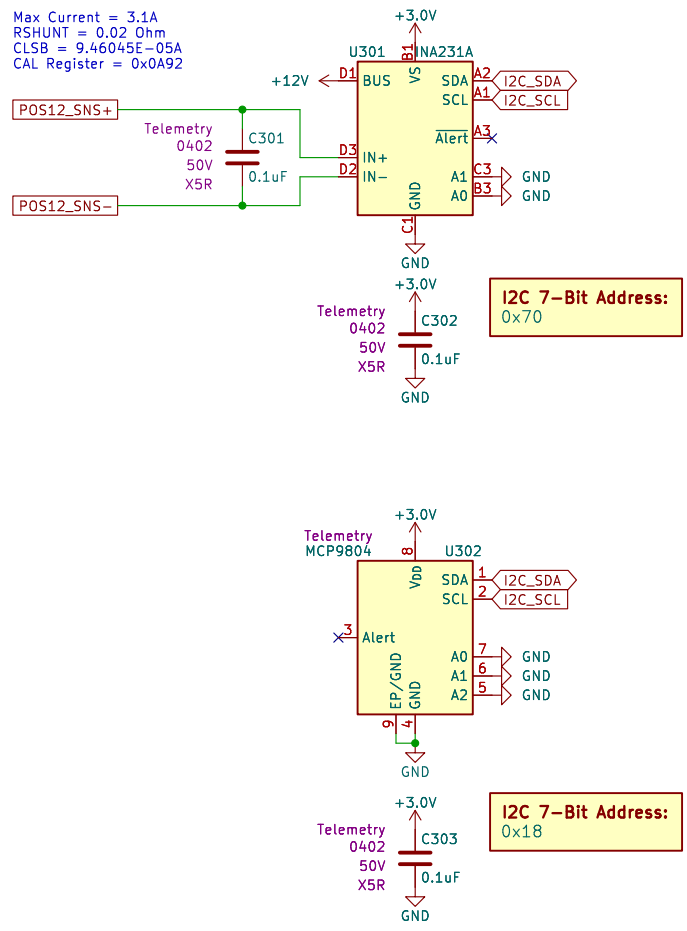
Drew Maatman and Michael Laffin

Sheet: /POS12_Input/
 File: POS12_Input.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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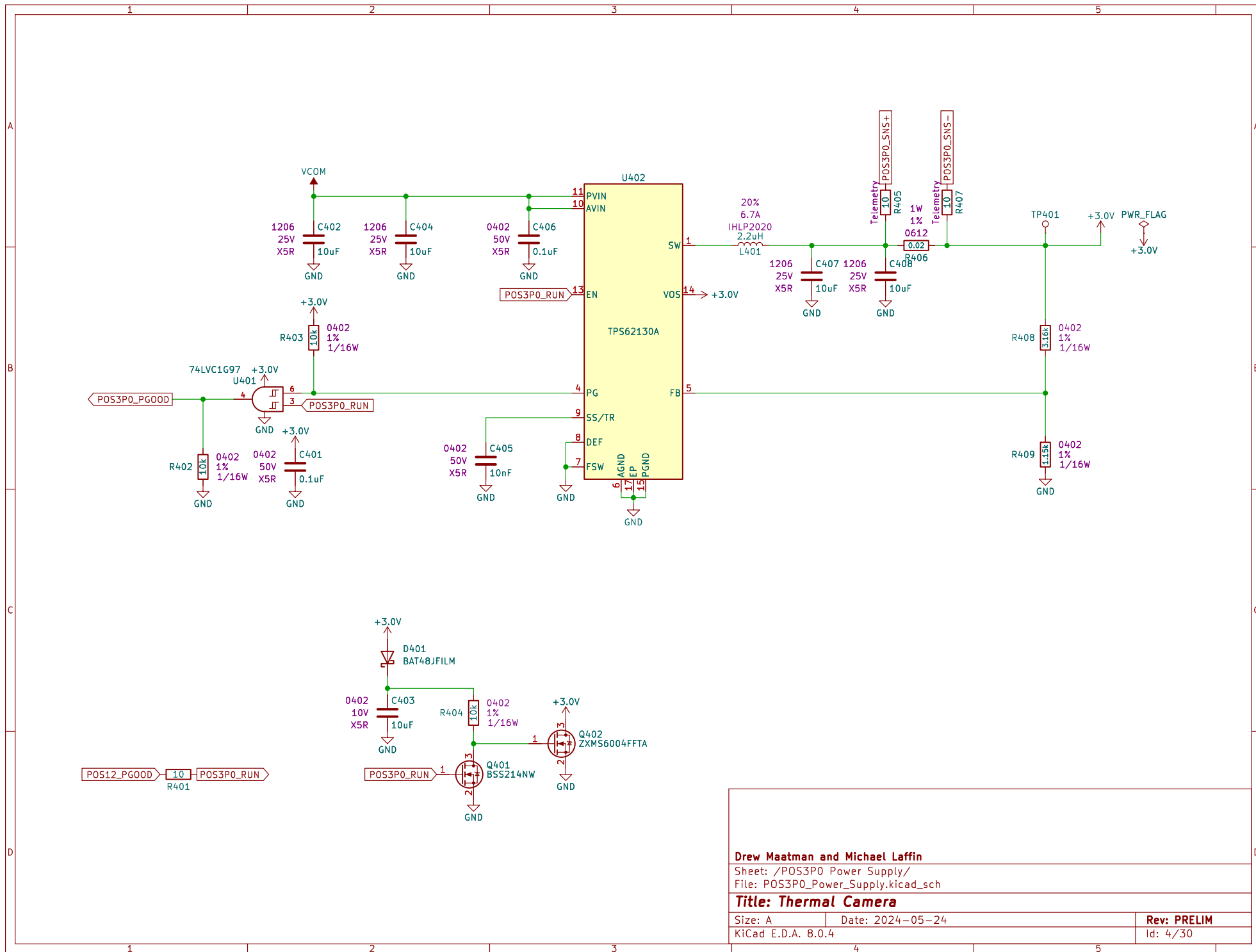
Drew Maatman and Michael Laffin

Sheet: /POS12 Telemetry/
File: POS12_Telemetry.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.4

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File: POS3P0_Power_Supply.kicad_sch

Title: Thermal Camera

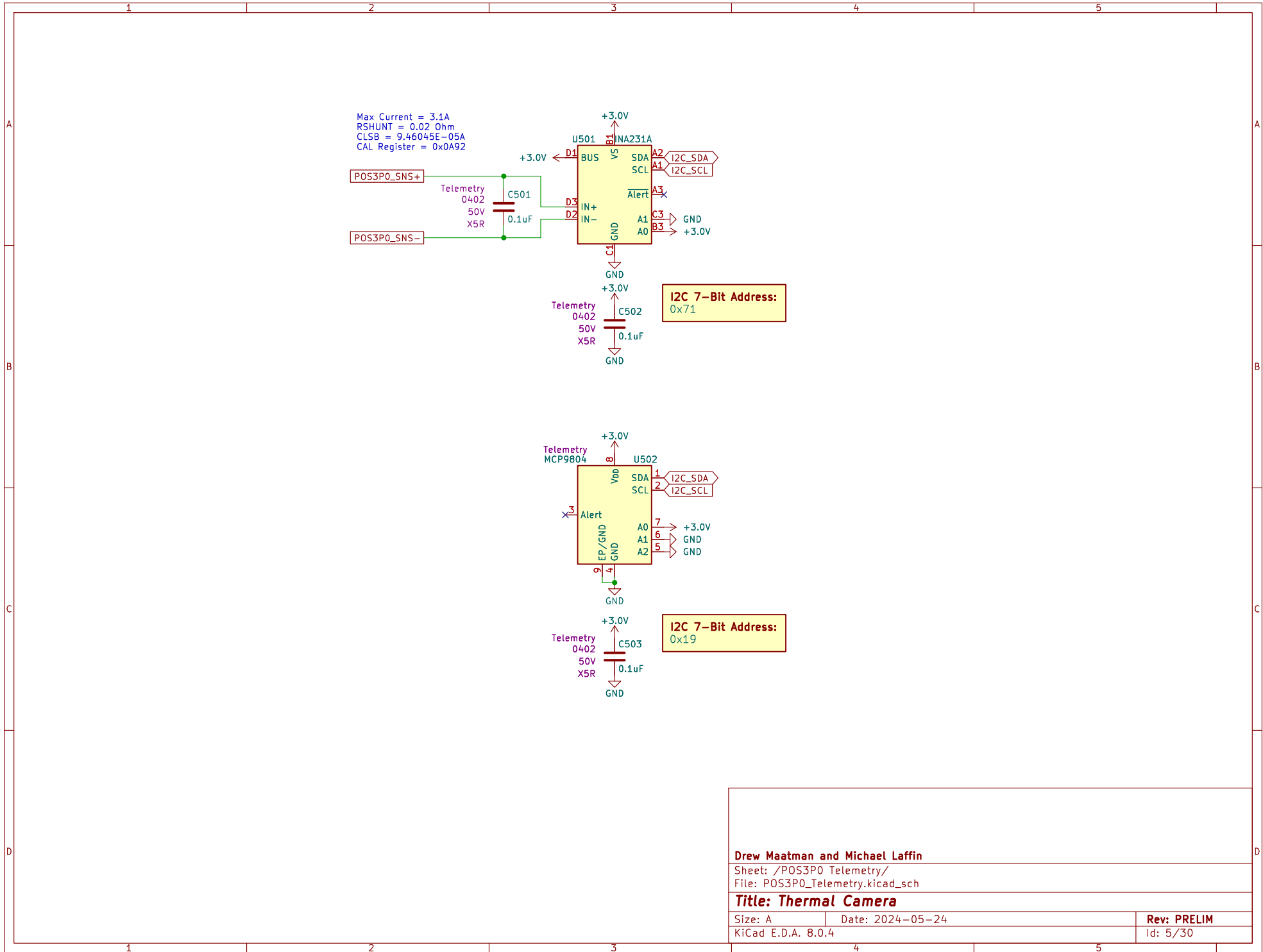
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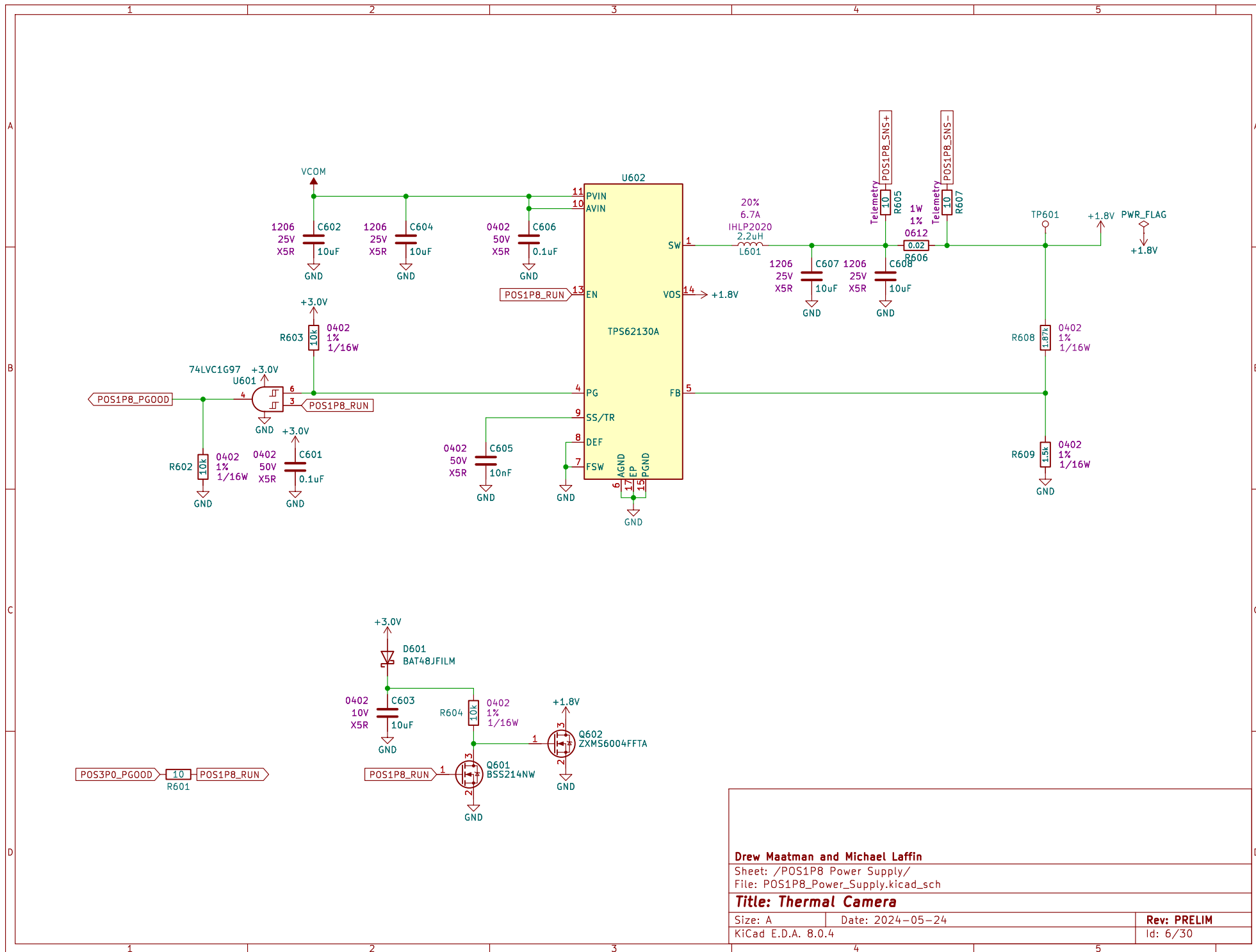
Date: 2024-05-24

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Sheet: /POS1P8 Power Supply/

File: POS1P8_Power_Supply.kicad_sch

Title: Thermal Camera

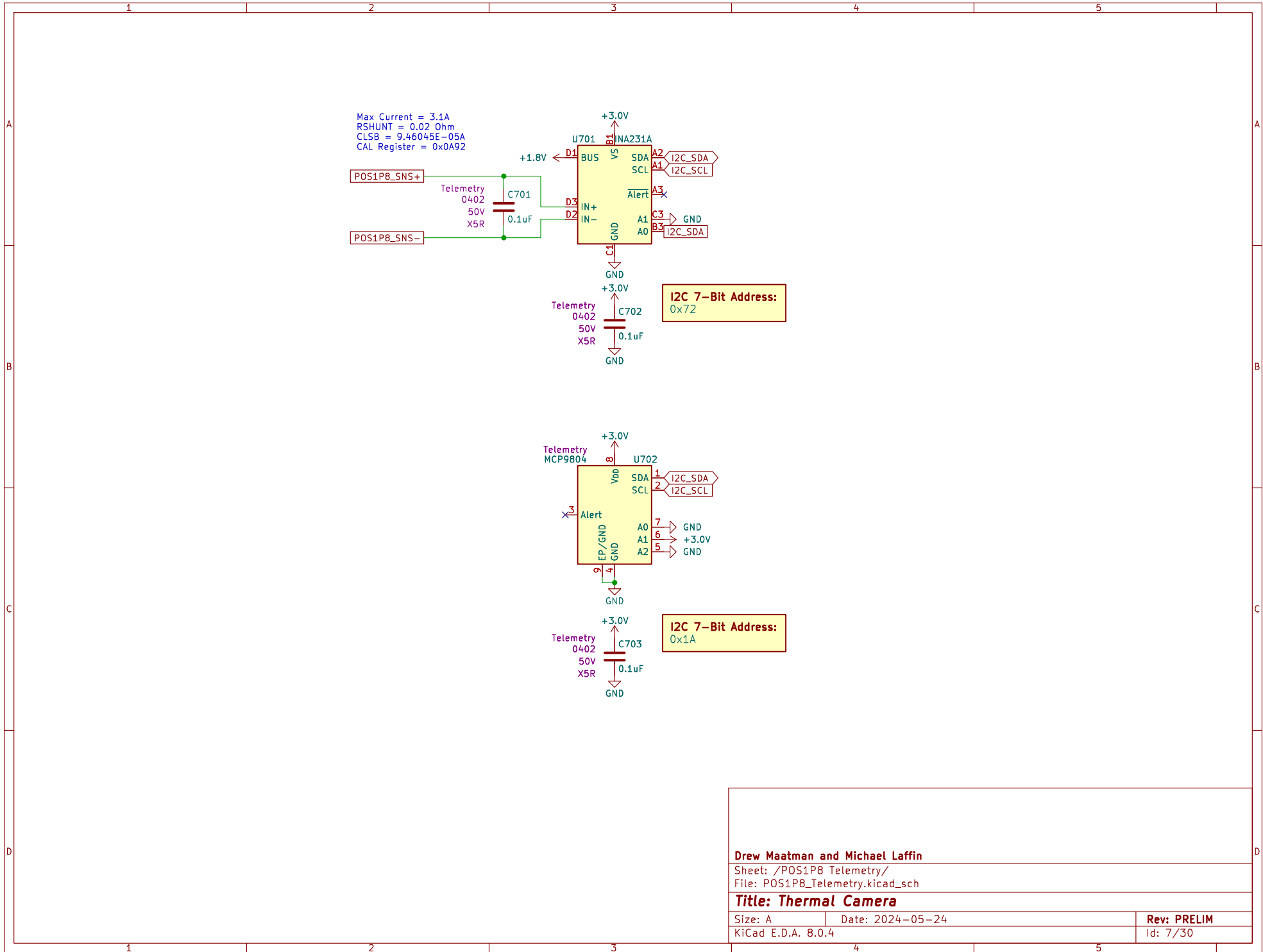
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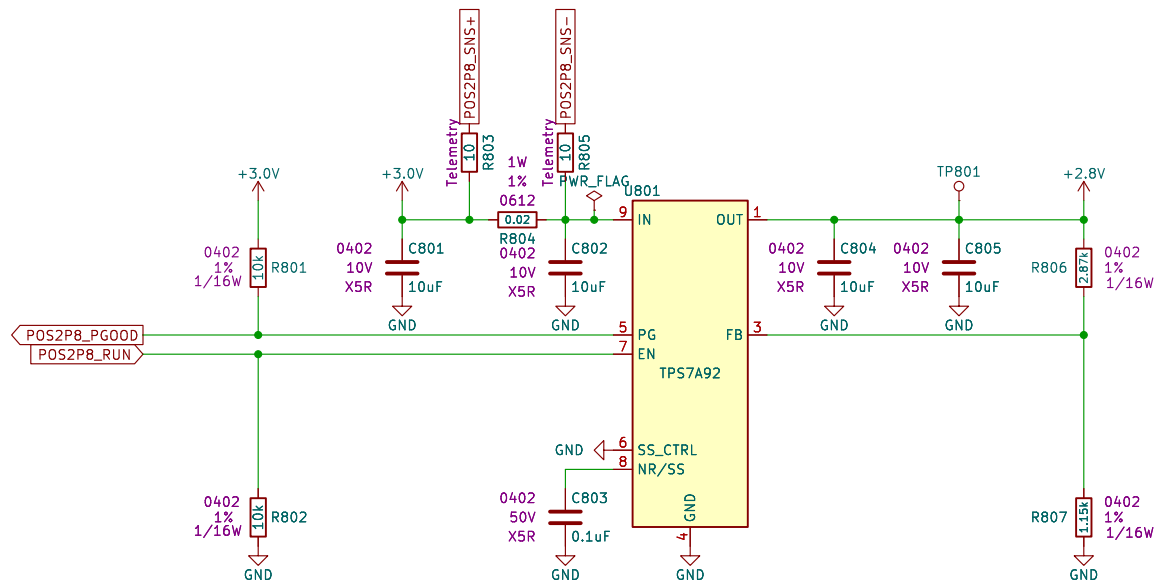
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Sheet: /POS2P8 Power Supply/

File: POS2P8_Power_Supply.kicad_sch

Title: Thermal Camera

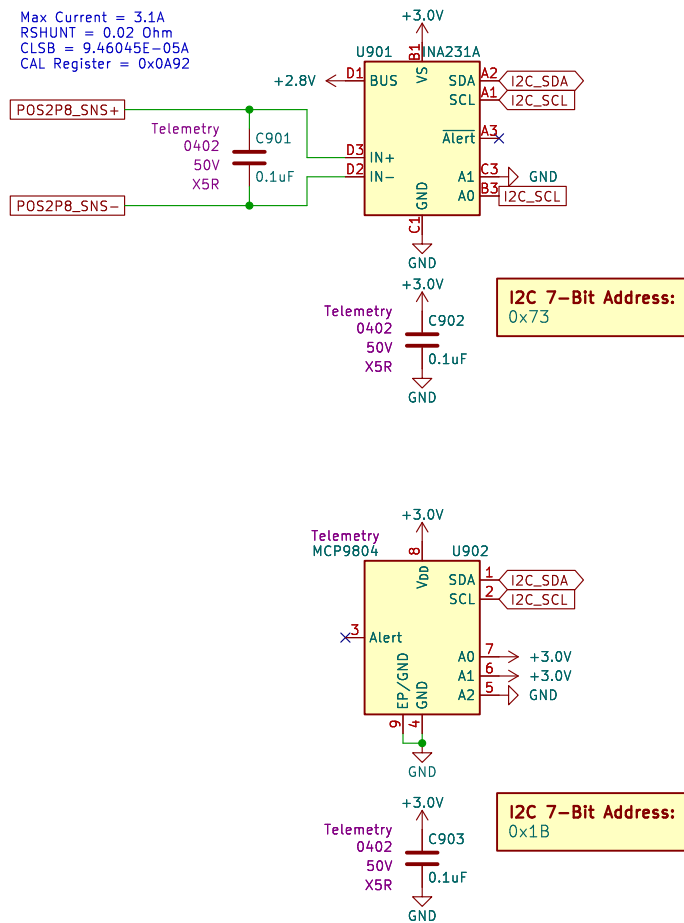
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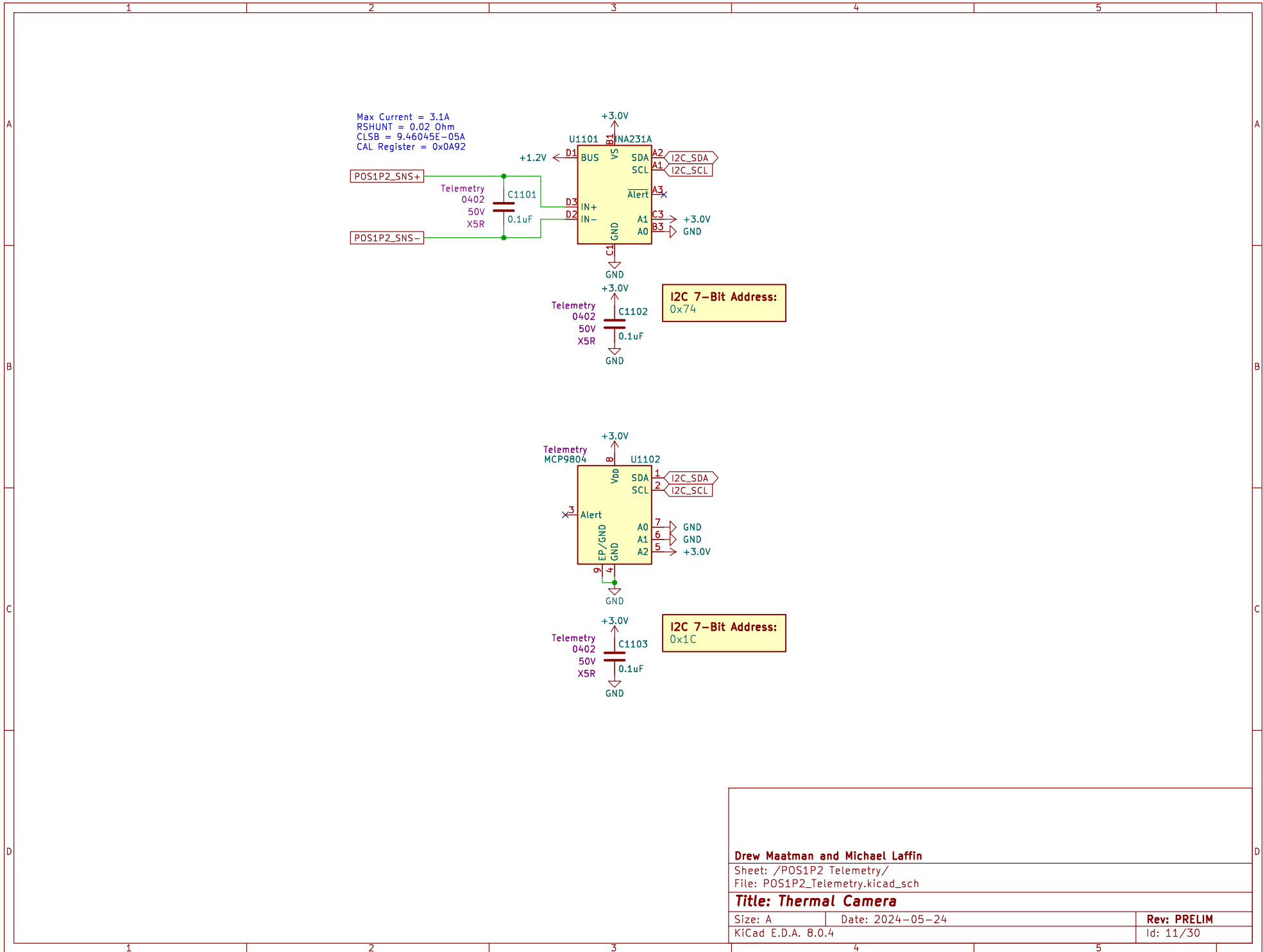
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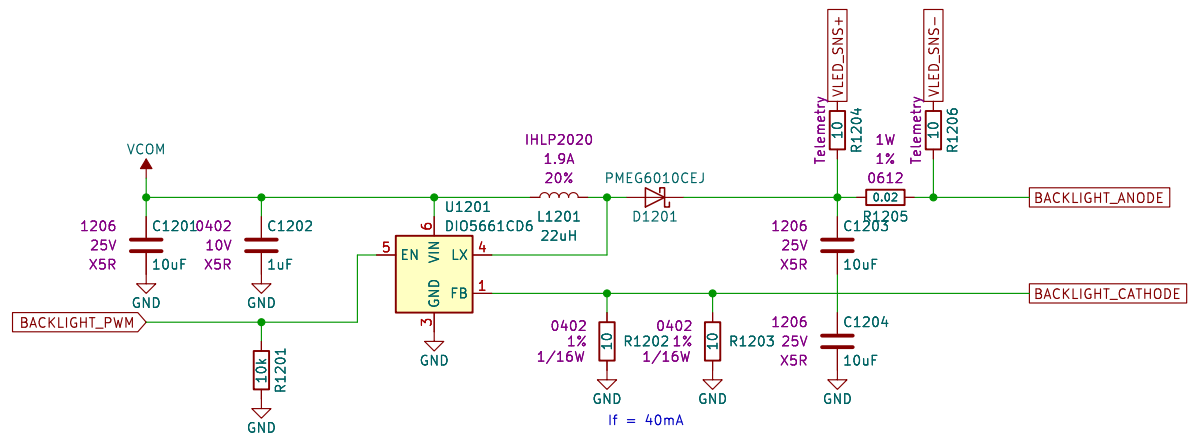
Title: Thermal Camera

Size: A Date: 2024-05-24
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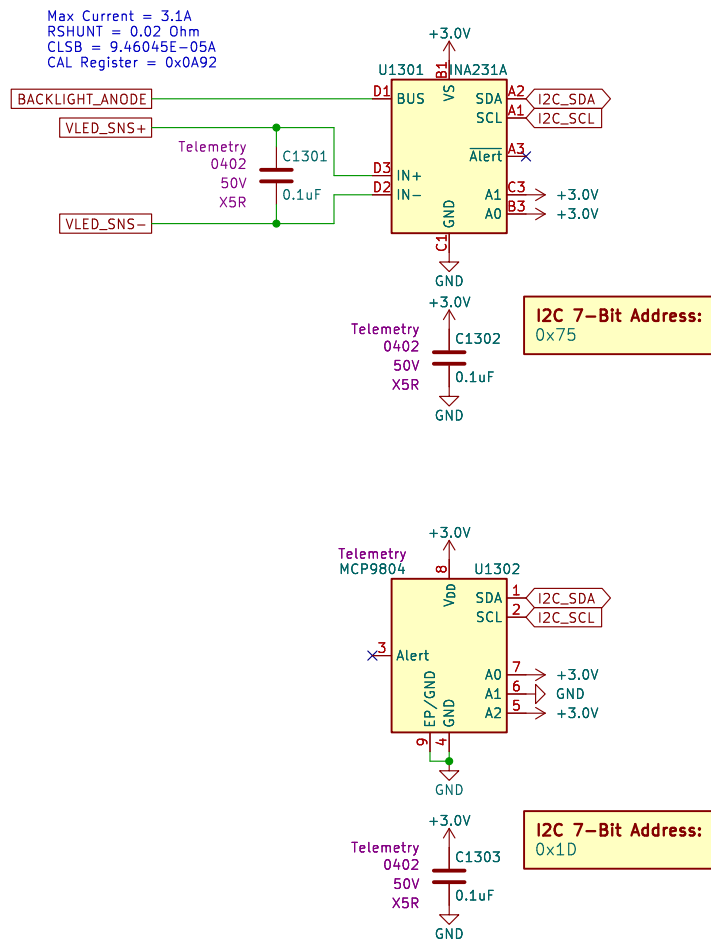
Drew Maatman and Michael Laffin

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File: LCD_Backlight_Power_Supply.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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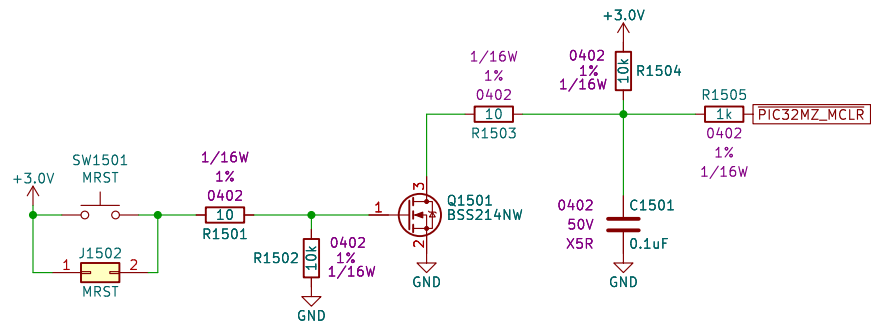
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File: LCD_Backlight_Telemetry.kicad_sch

Title: Thermal Camera

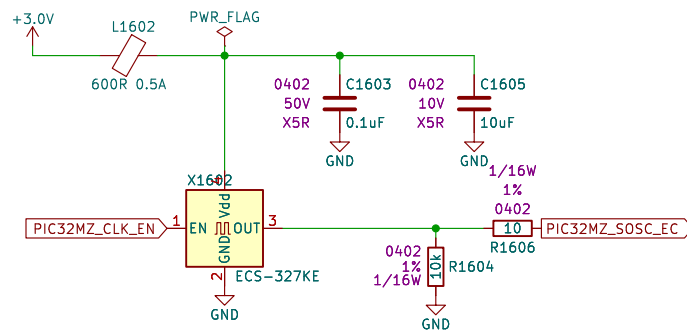
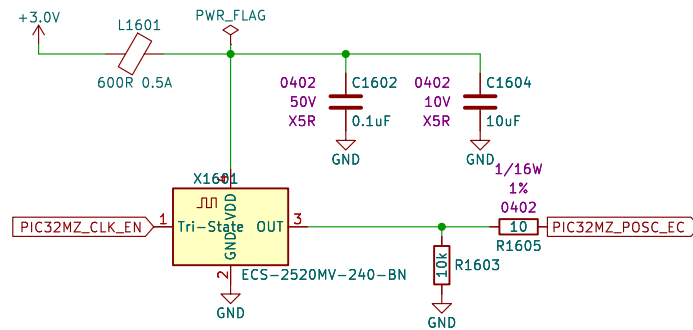
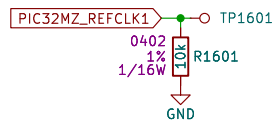
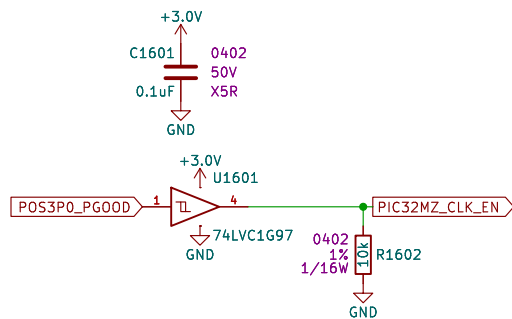
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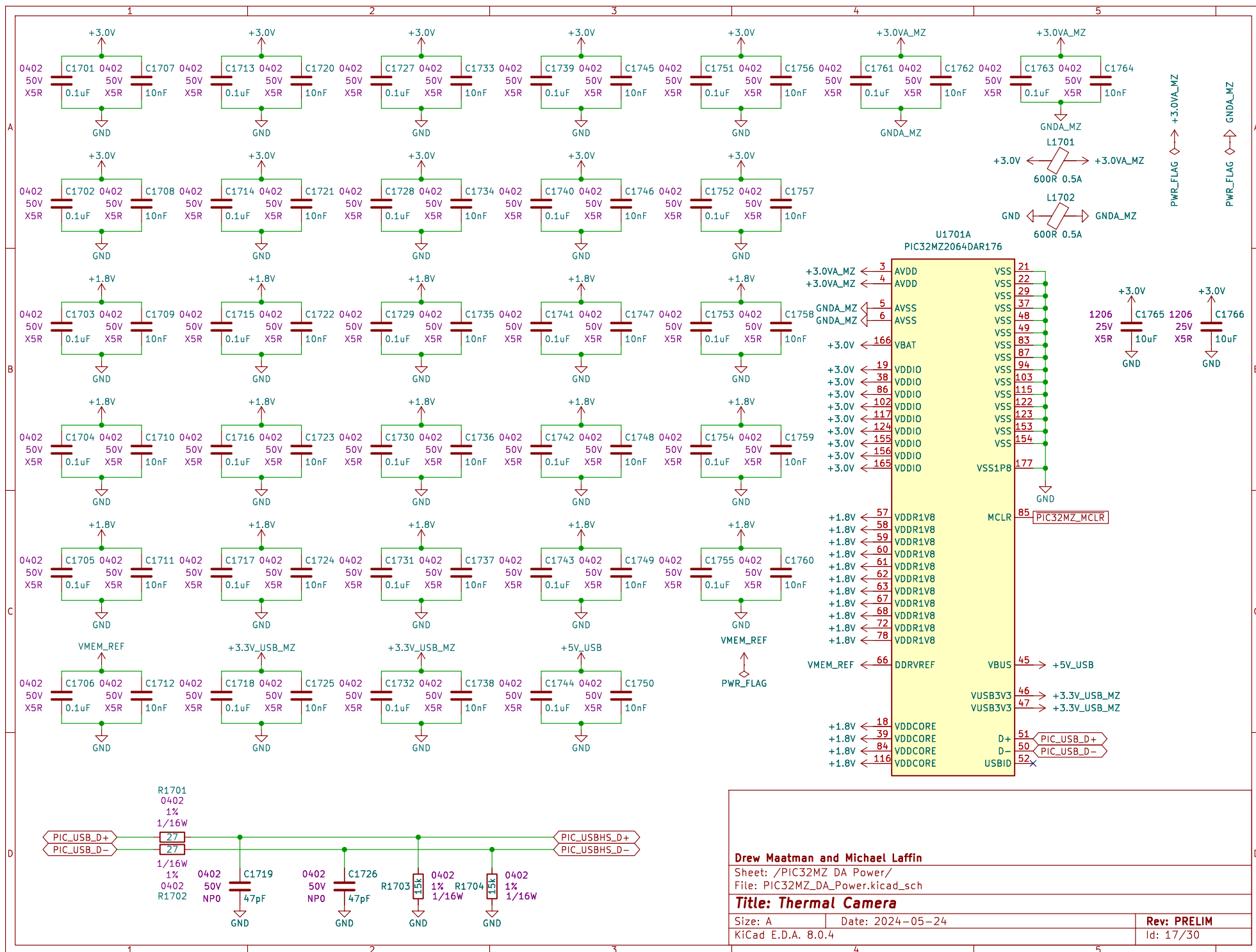
Drew Maatman and Michael Laffin

Sheet: /PIC32MZ DA Clocking/
File: PIC32MZ_DA_Clocking.kicad_sch

Title: Thermal Camera

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Sheet: /PIC32MZ DA Power/
File: PIC32MZ_DA_Power.kicad_sch

Title: Thermal Camera

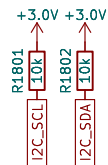
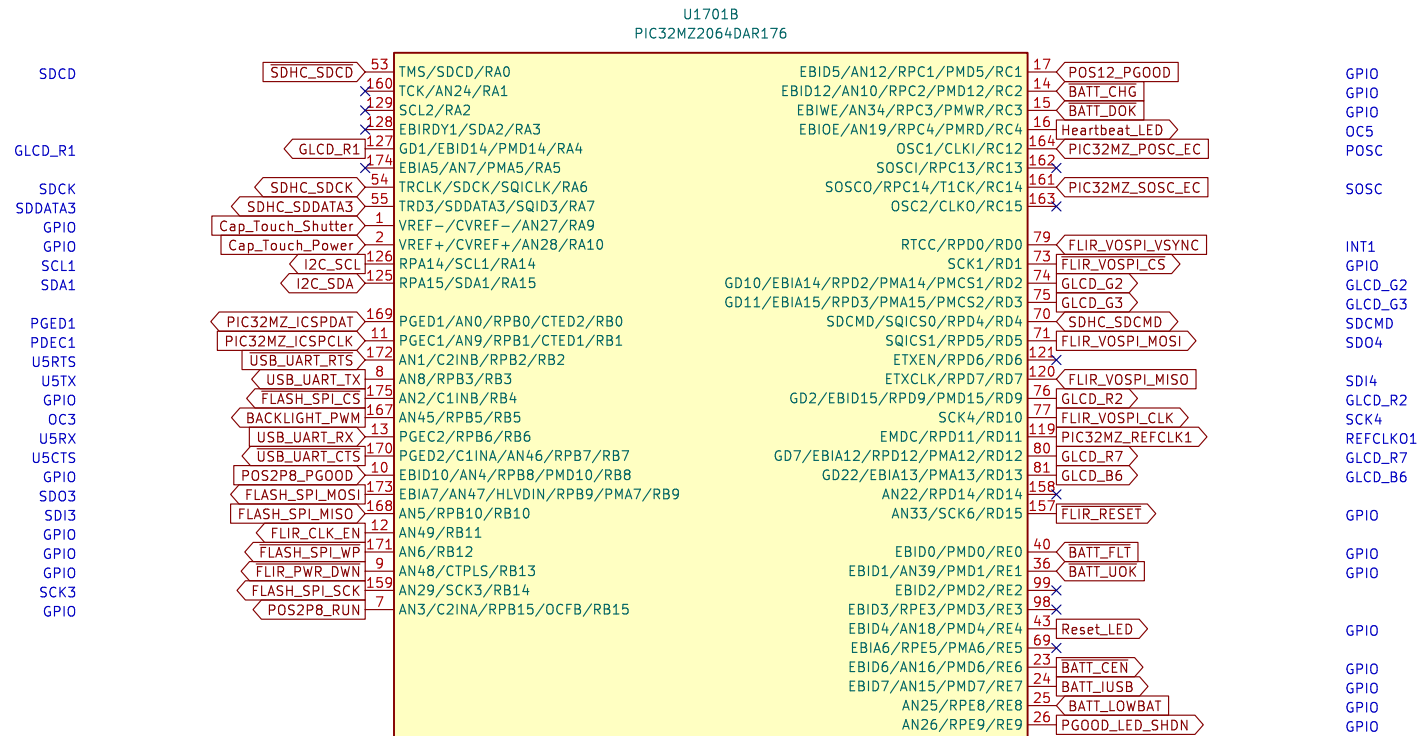
Size: A Date: 2024-05-24

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See TABLE 36-1:RGB COLOR MAPPING for Graphic LCD Pin Mapping



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Sheet: /PIC32MZ DA 1/

File: PIC32MZ_DA_1.kicad_sch

Title: Thermal Camera

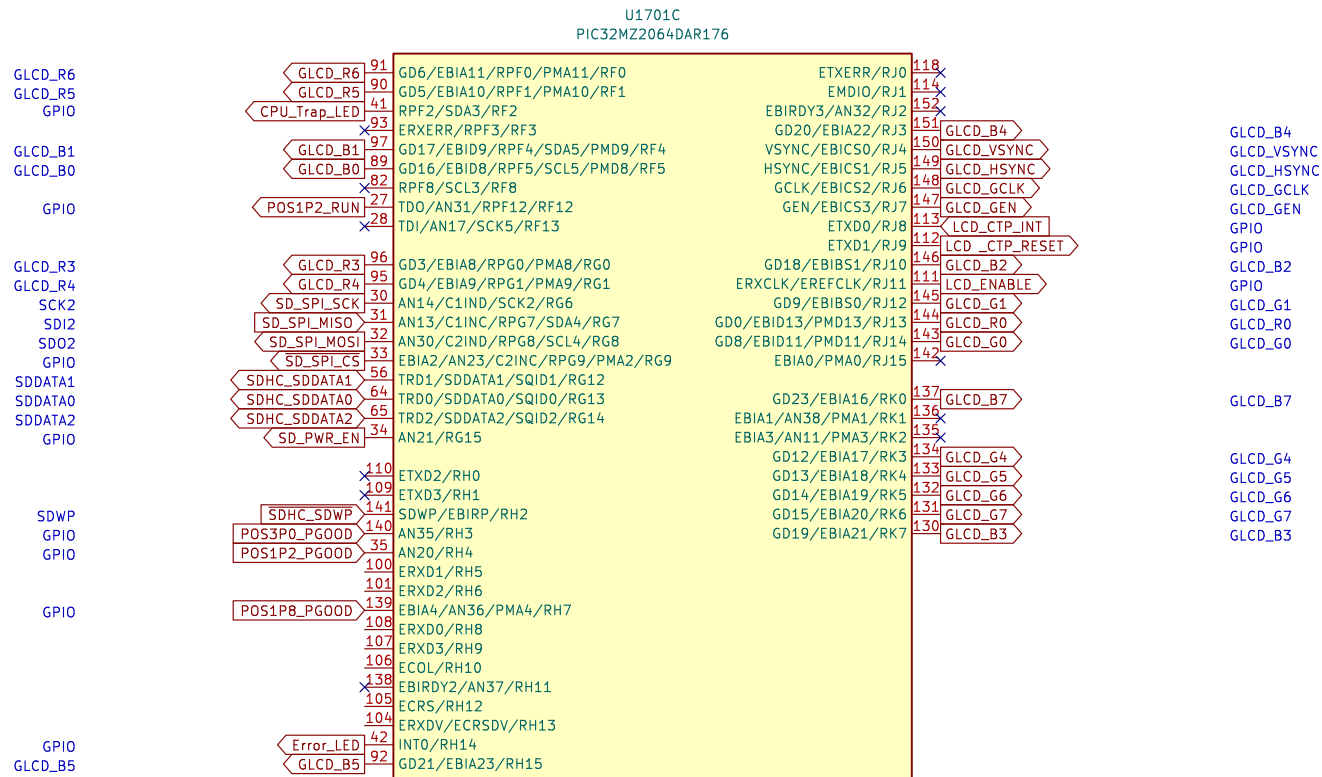
Size: A	Date: 2024-05-24
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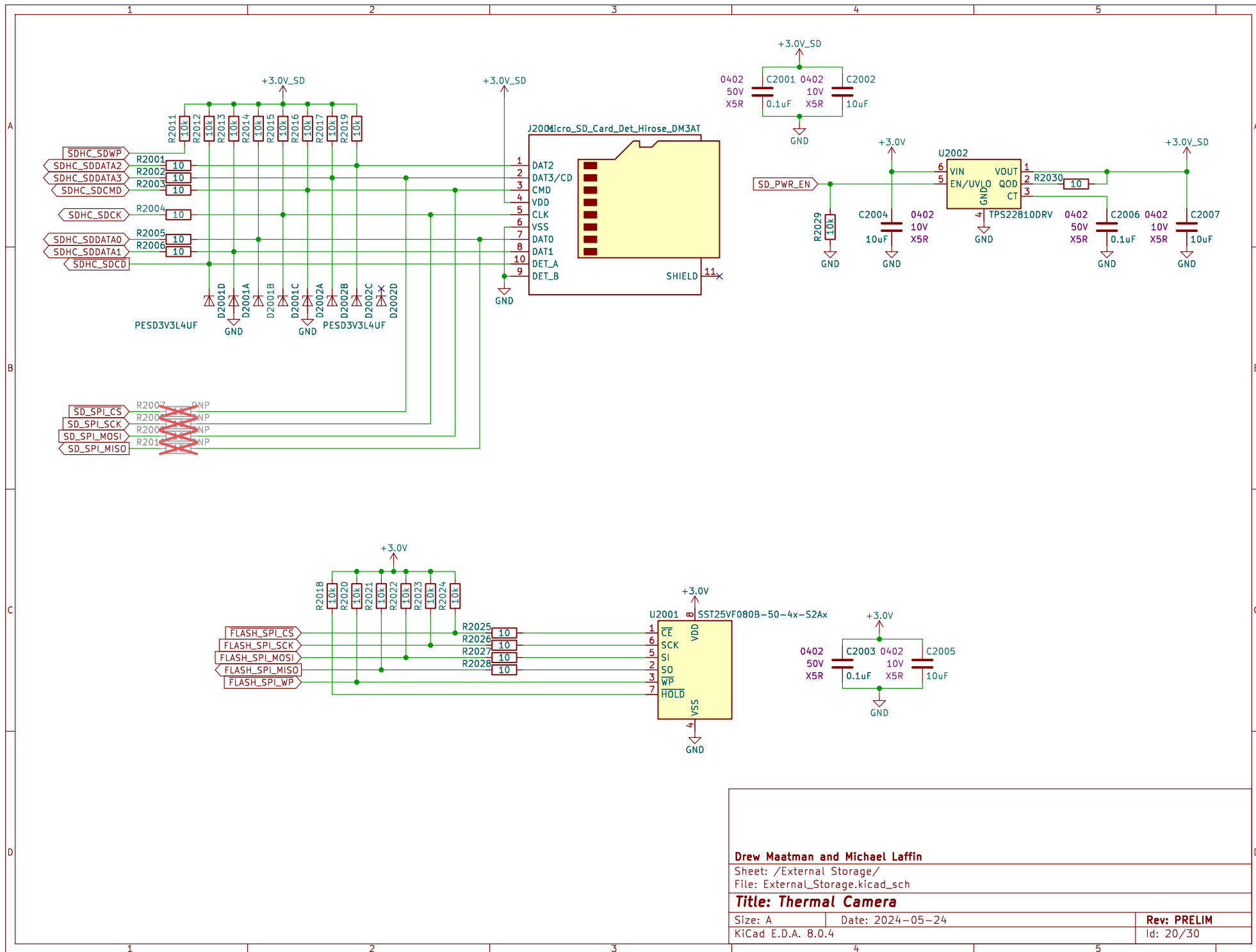
See TABLE 36-1:RGB COLOR MAPPING for Graphic LCD Pin Mapping



Title: Thermal Camera

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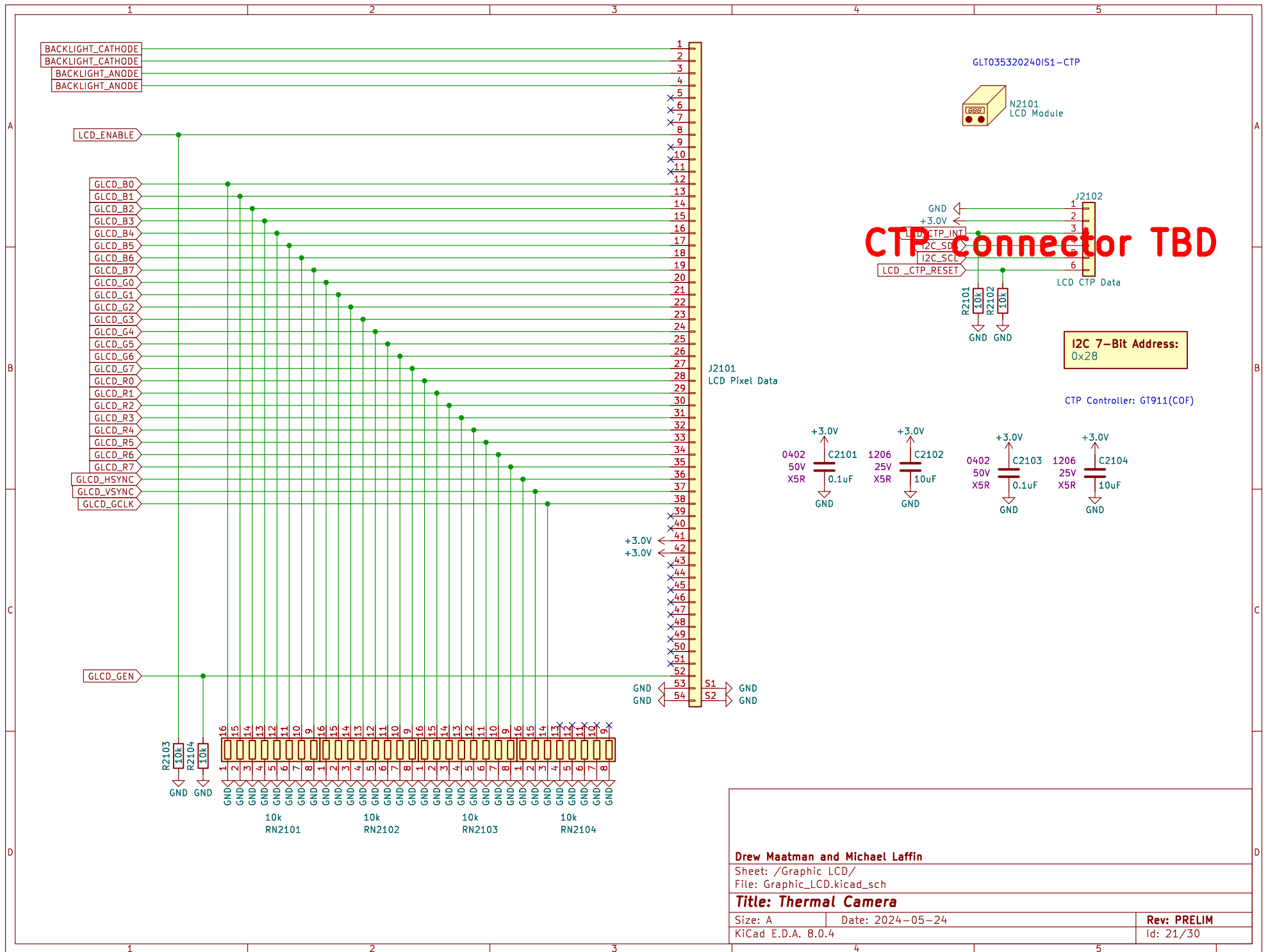
Drew Maatman and Michael Laffin

Sheet: /External Storage/
File: External_Storage.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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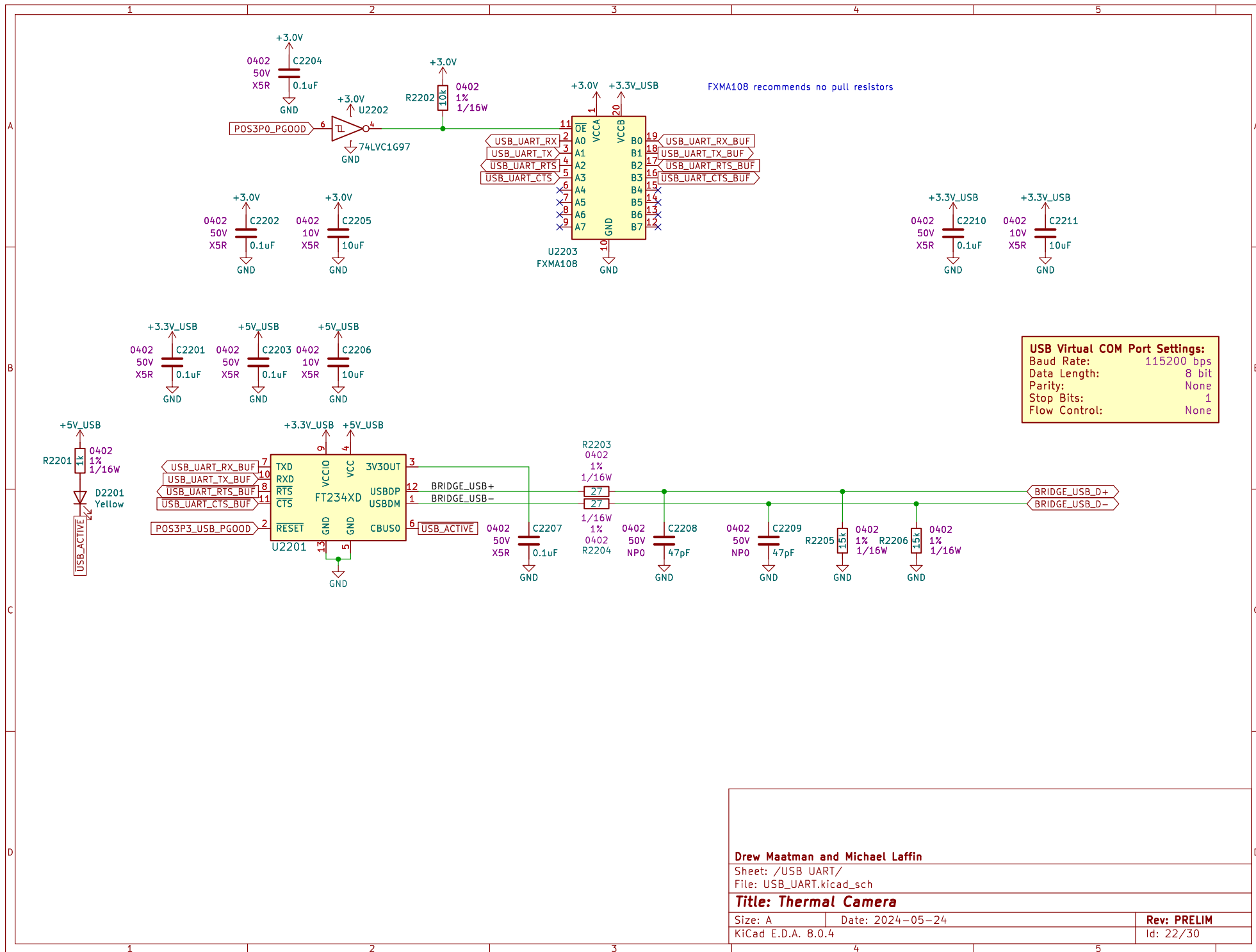
Drew Maatman and Michael Laffin

Sheet: /Graphic LCD/
File: Graphic_LCD.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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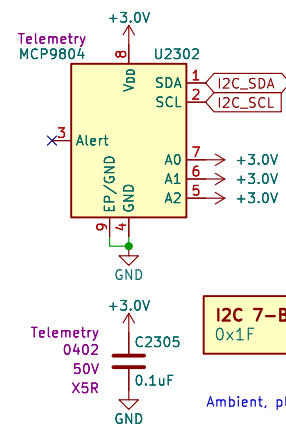
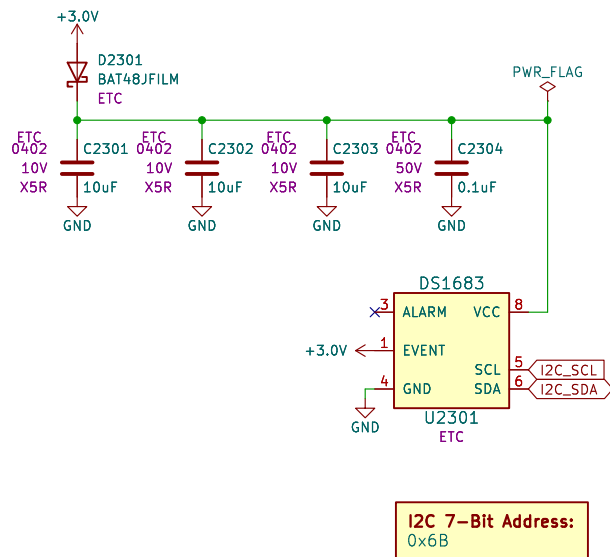
Drew Maatman and Michael Laffin

Sheet: /USB UART/
File: USB_UART.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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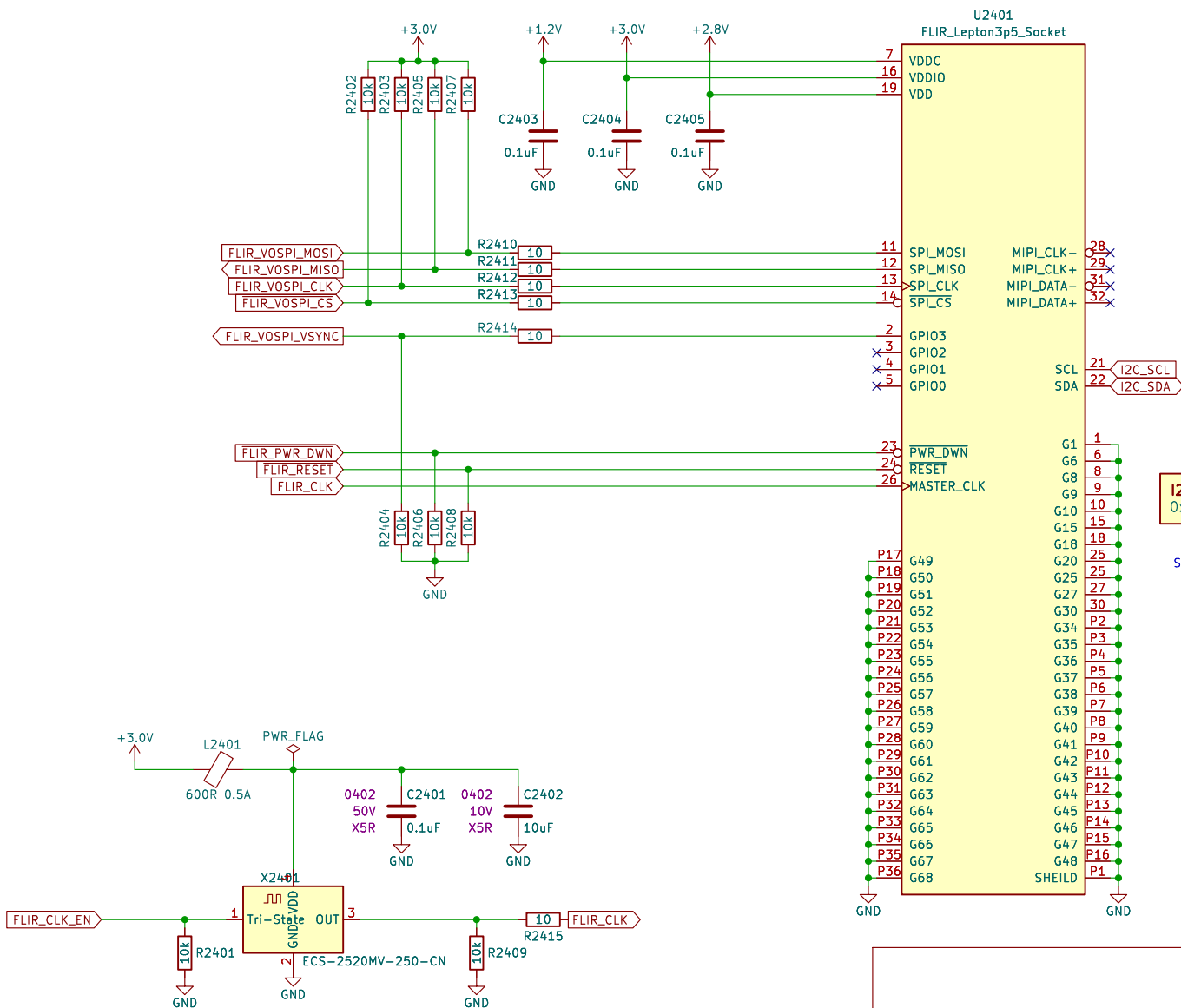
Sheet: /Elapsed Time Counter/
File: Elapsed_Time_Counter.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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Power Supply Considerations:
VDDC: 1.20V (1.14V min, 1.26V max), 50mVpp max ripple, 110mA max draw
VDD: 2.80V (2.72V min, 2.88V max), 30mVpp max ripple, 16mA max draw
VDDIO: 2.8V min, 3.1V max, 50mVpp max ripple, 310mA max draw



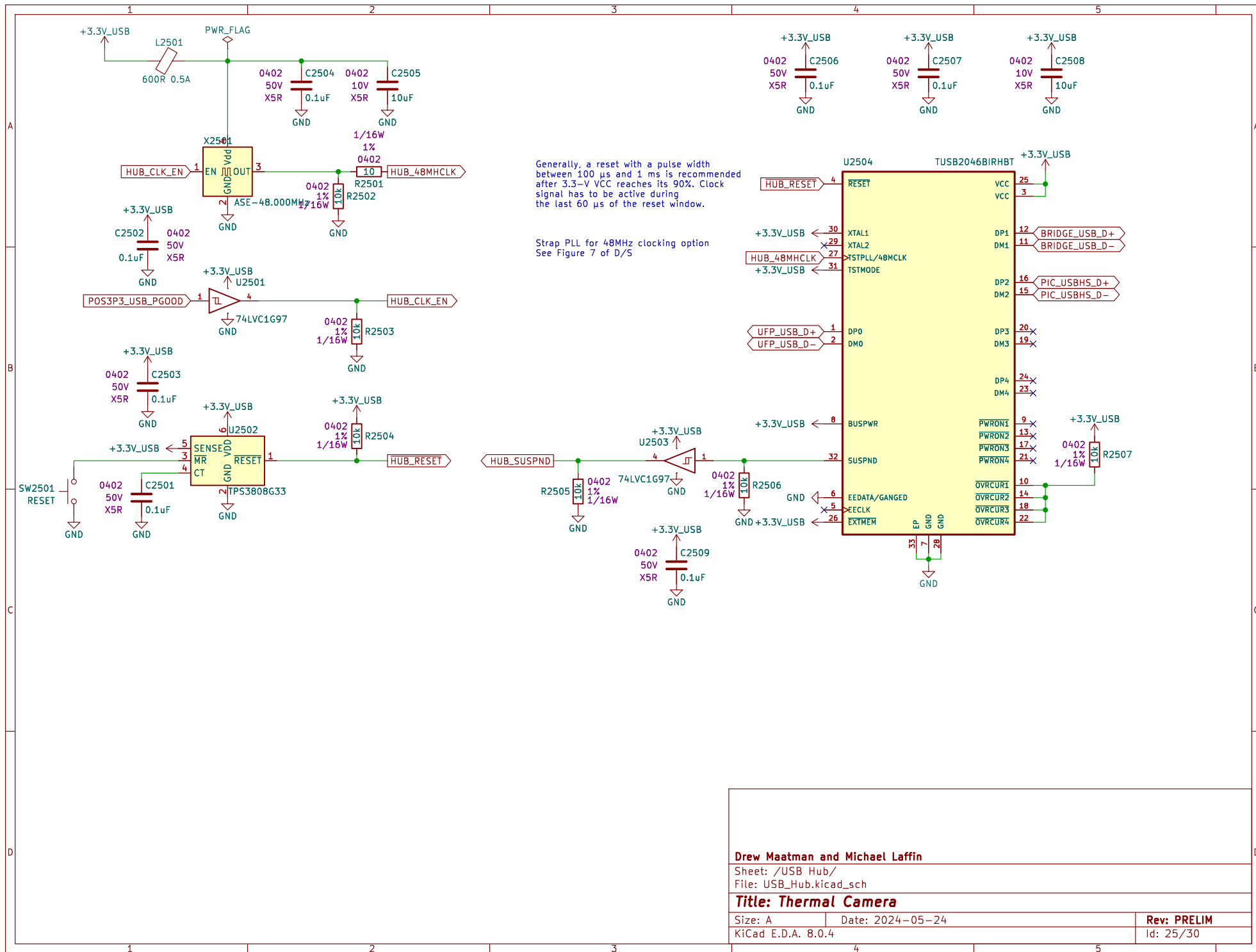
Drew Maatman and Michael Laffin

Sheet: /FLIR Lepton Sensor/
File: FLIR_Lepton_Sensor.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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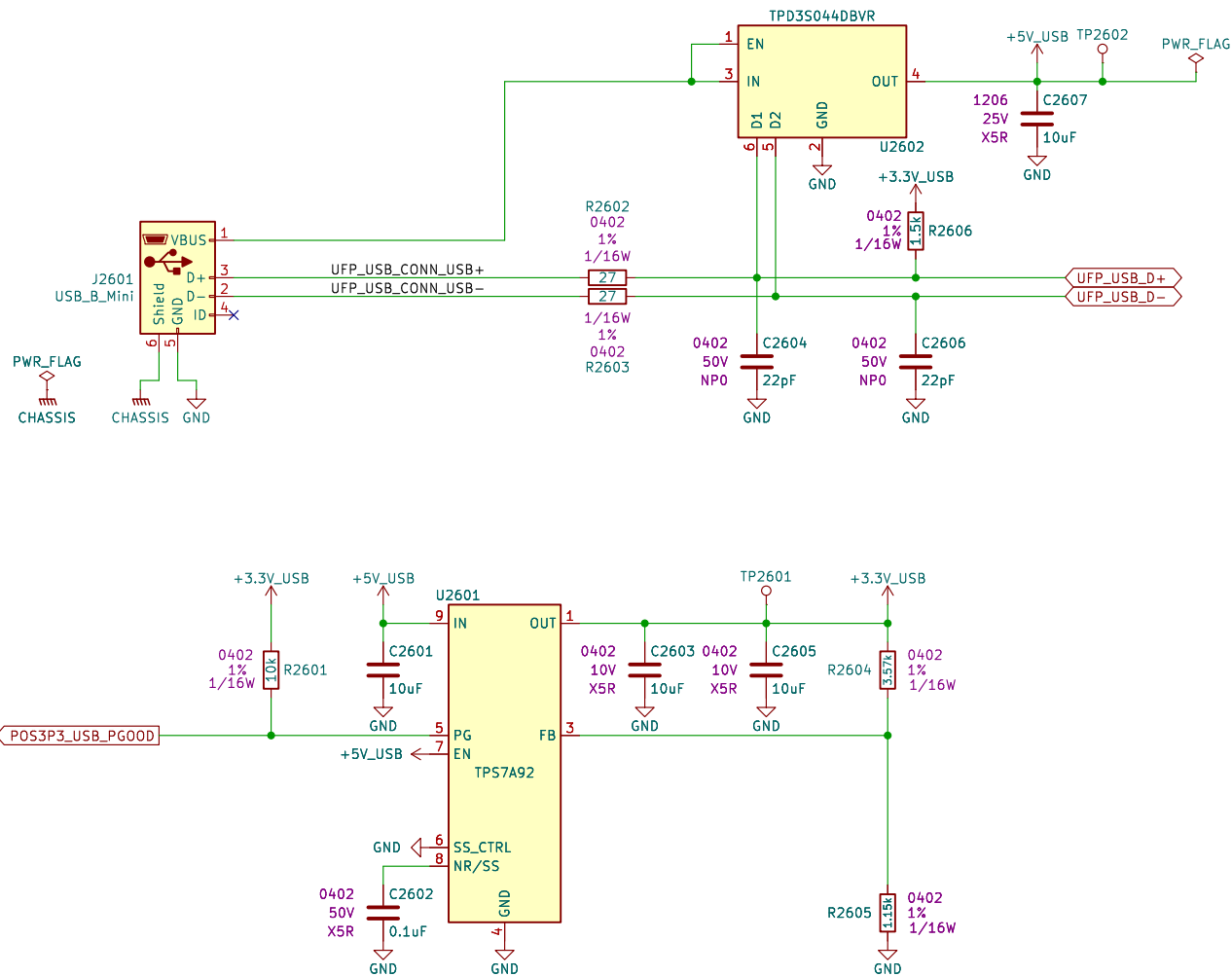
Drew Maatman and Michael Laffin

Sheet: /USB Hub/
File: USB_Hub.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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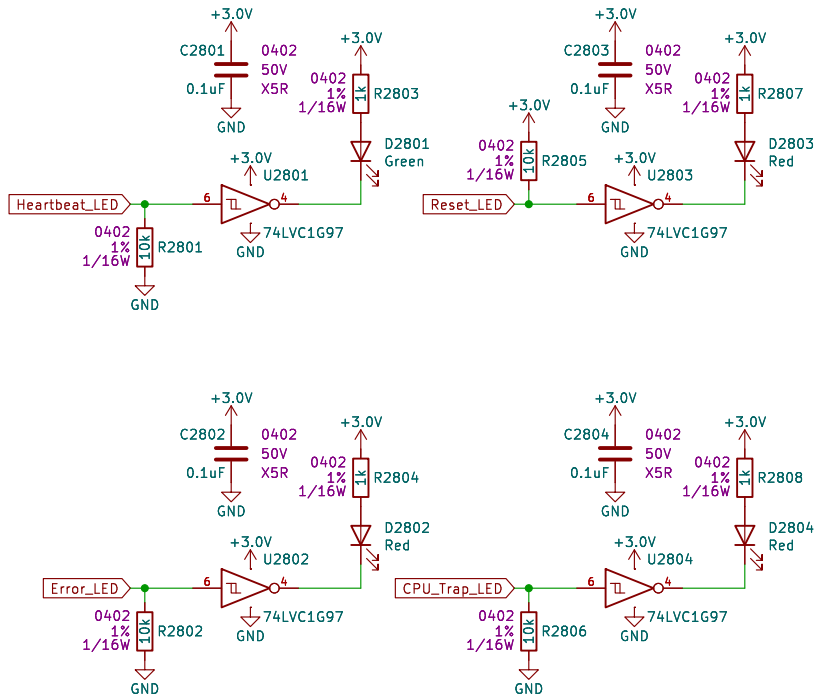
Drew Maatman and Michael Laffin

Sheet: /Upstream USB Port/
File: Upstream_USB_Port.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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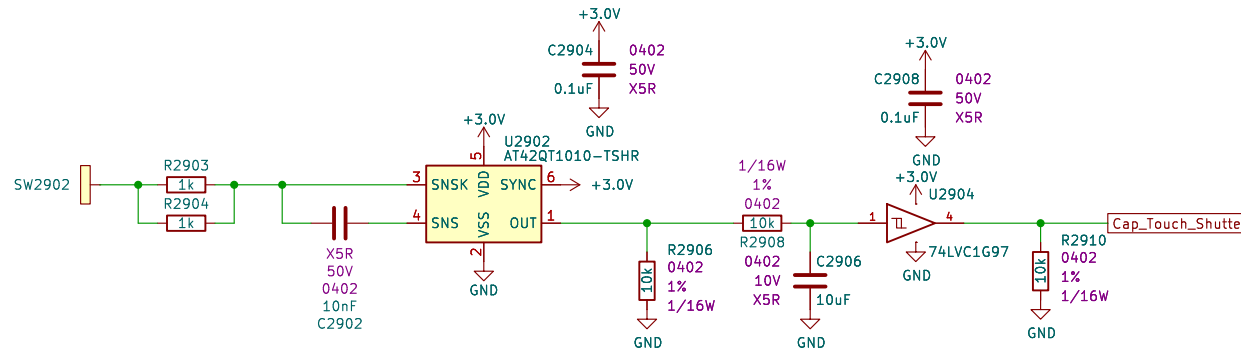
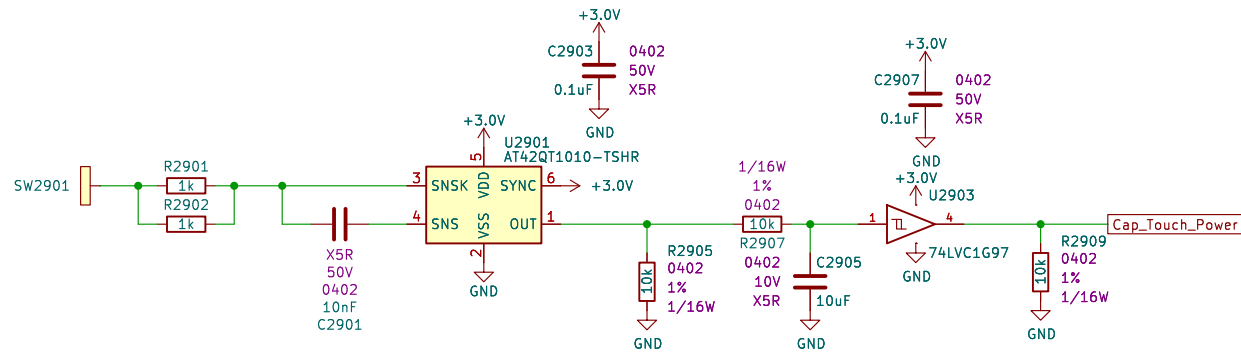
Drew Maatman and Michael Laffin

Sheet: /Status LEDs/
File: Status_LEDs.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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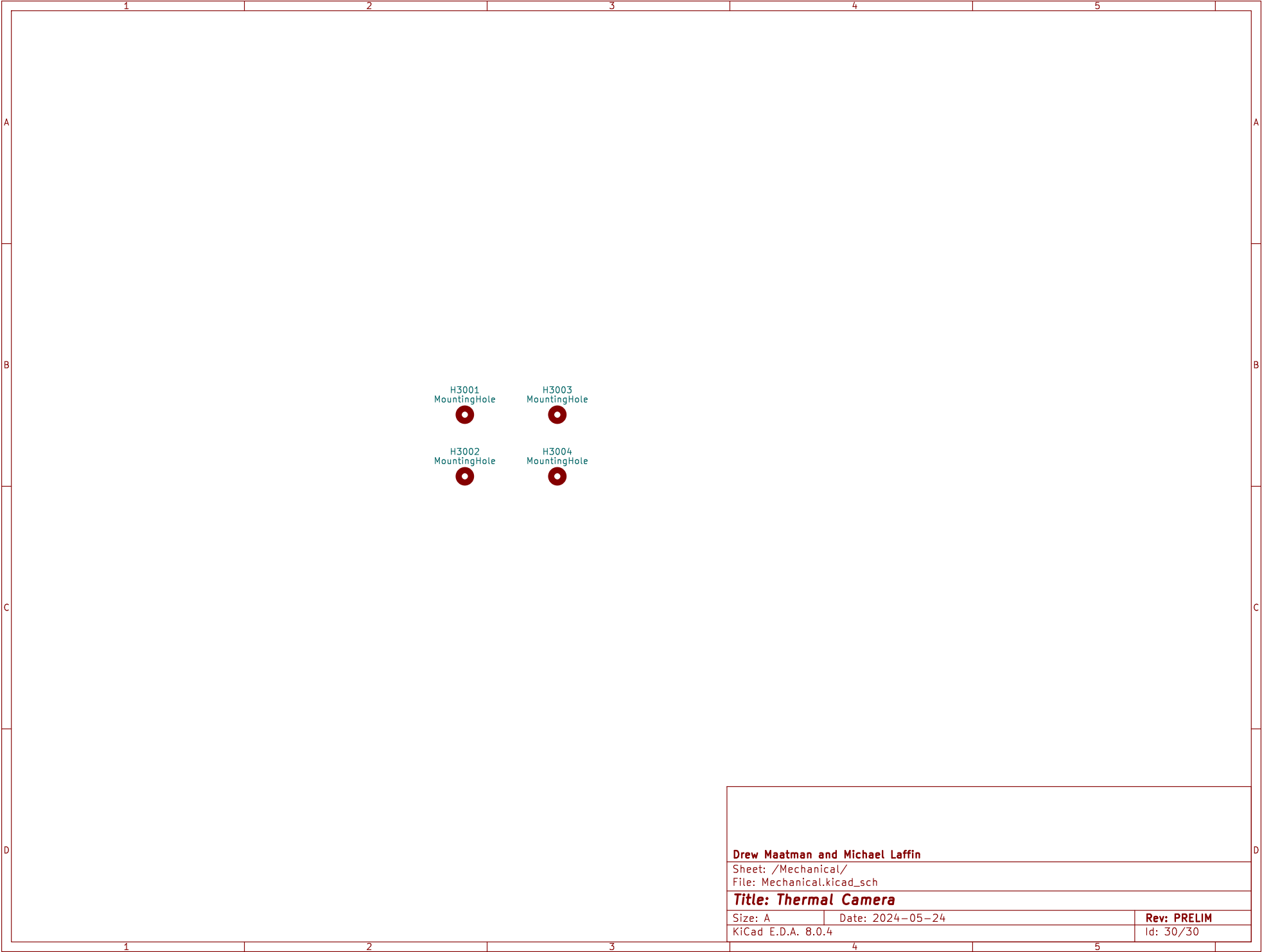
Drew Maatman and Michael Laffin

Sheet: /Capacitive Touch/
File: Capacitive_Touch.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
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Sheet: /Mechanical/
File: Mechanical.kicad_sch

Title: Thermal Camera

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