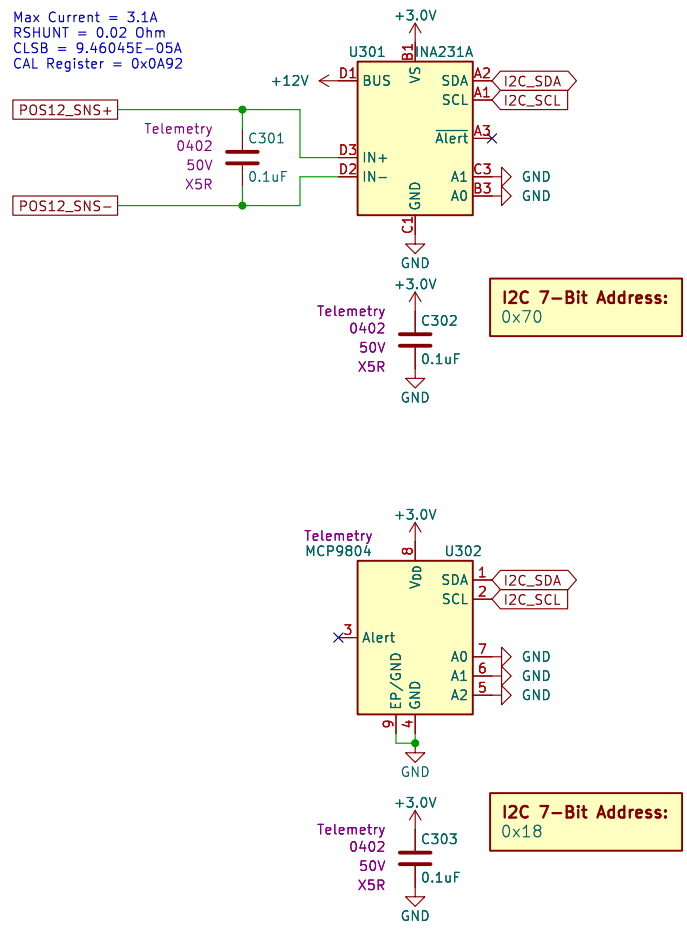


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Thermal Camera																																												
https://github.com/drewsum/Thermal_Camera																																												
01. Table of Contents																																												
02. POS12 Input										POS12_Input					14. Battery Management										Battery Management					26. Upstream USB Port										Upstream USB Port				
03. POS12 Telemetry										POS12 Telemetry					15. PIC32MZ DA Programming										PIC32MZ DA Programming					27. PGOOD LEDs										PGOOD LEDs				
04. POS3P0 Power Supply										POS3P0 Power Supply					16. PIC32MZ DA Clocking										PIC32MZ DA Clocking					28. Status LEDs										Status LEDs				
05. POS3P0 Telemetry										POS3P0 Telemetry					17. PIC32MZ DA Power										PIC32MZ DA Power					29. Capacitive Touch										Capacitive Touch				
06. POS1P8 Power Supply										POS1P8 Power Supply					18. PIC32MZ DA 1										PIC32MZ DA 1					30. Mechanical										Mechanical				
07. POS1P8 Telemetry										POS1P8 Telemetry					19. PIC32MZ DA 2										PIC32MZ DA 2																			
08. POS2P8 Power Supply										POS2P8 Power Supply					20. External Storage										External Storage																			
09. POS2P8 Telemetry										POS2P8 Telemetry					21. Graphic LCD										Graphic LCD																			
10. POS1P2 Power Supply										POS1P2 Power Supply					22. USB UART										USB UART																			
11. POS1P2 Telemetry										POS1P2 Telemetry					23. Elapsed Time Counter										Elapsed Time Counter																			
12. LCD Backlight Power Supply										LCD Backlight Power Supply					24. FLIR Lepton Sensor										FLIR Lepton Sensor																			
13. LCD Backlight Telemetry										LCD Backlight Telemetry					25. USB Hub										USB Hub																			
Drew Maatman and Michael Laffin																																												
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KiCad E.D.A. 8.0.1-rc1																														Id: 1/30														
1						2						3						4						5																				



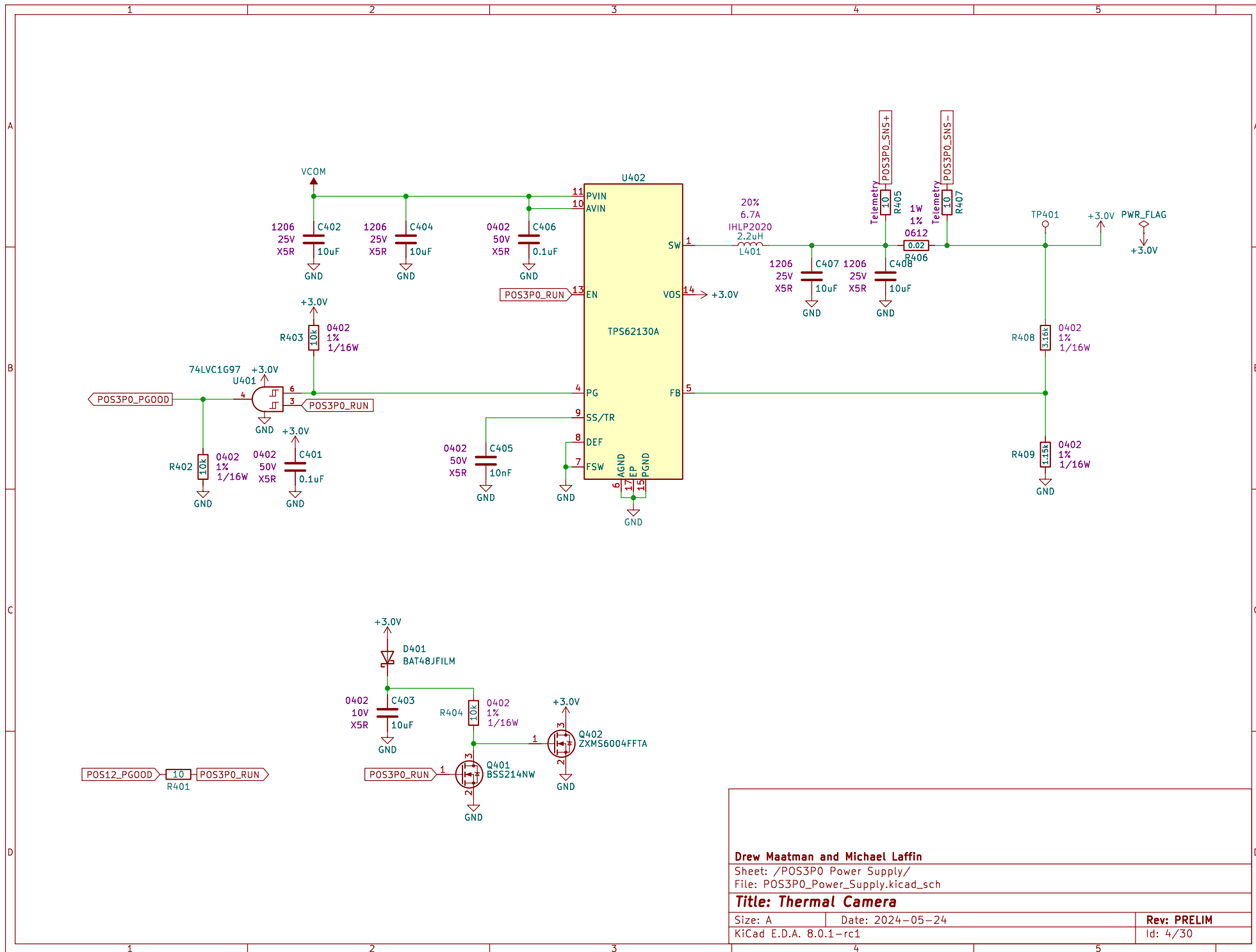
Drew Maatman and Michael Laffin

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Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 3/30



Drew Maatman and Michael Laffin

Sheet: /POS3P0 Power Supply/

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Title: Thermal Camera

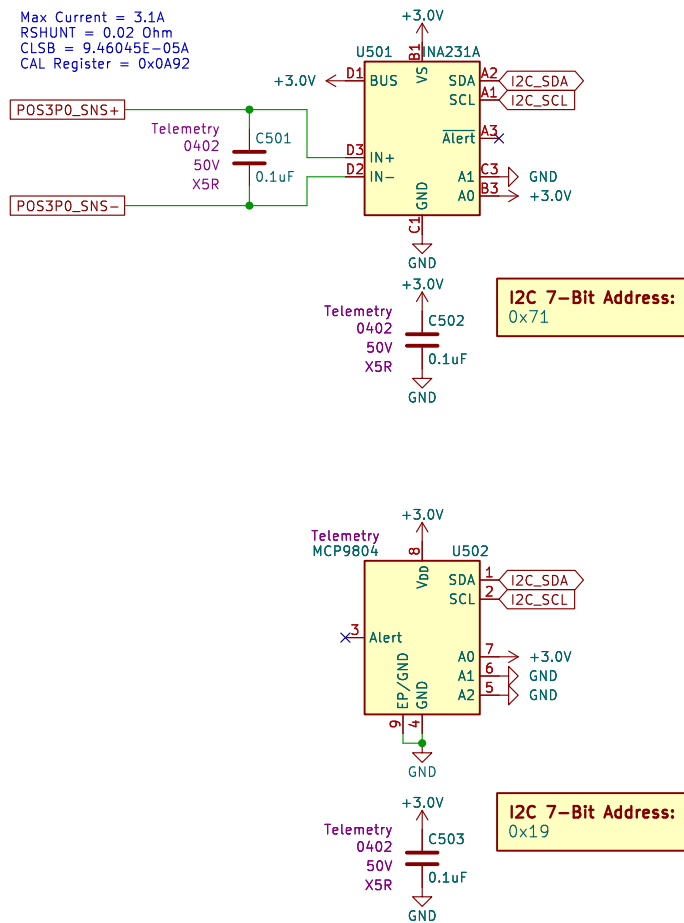
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Date: 2024-05-24

KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM

Id: 4/30



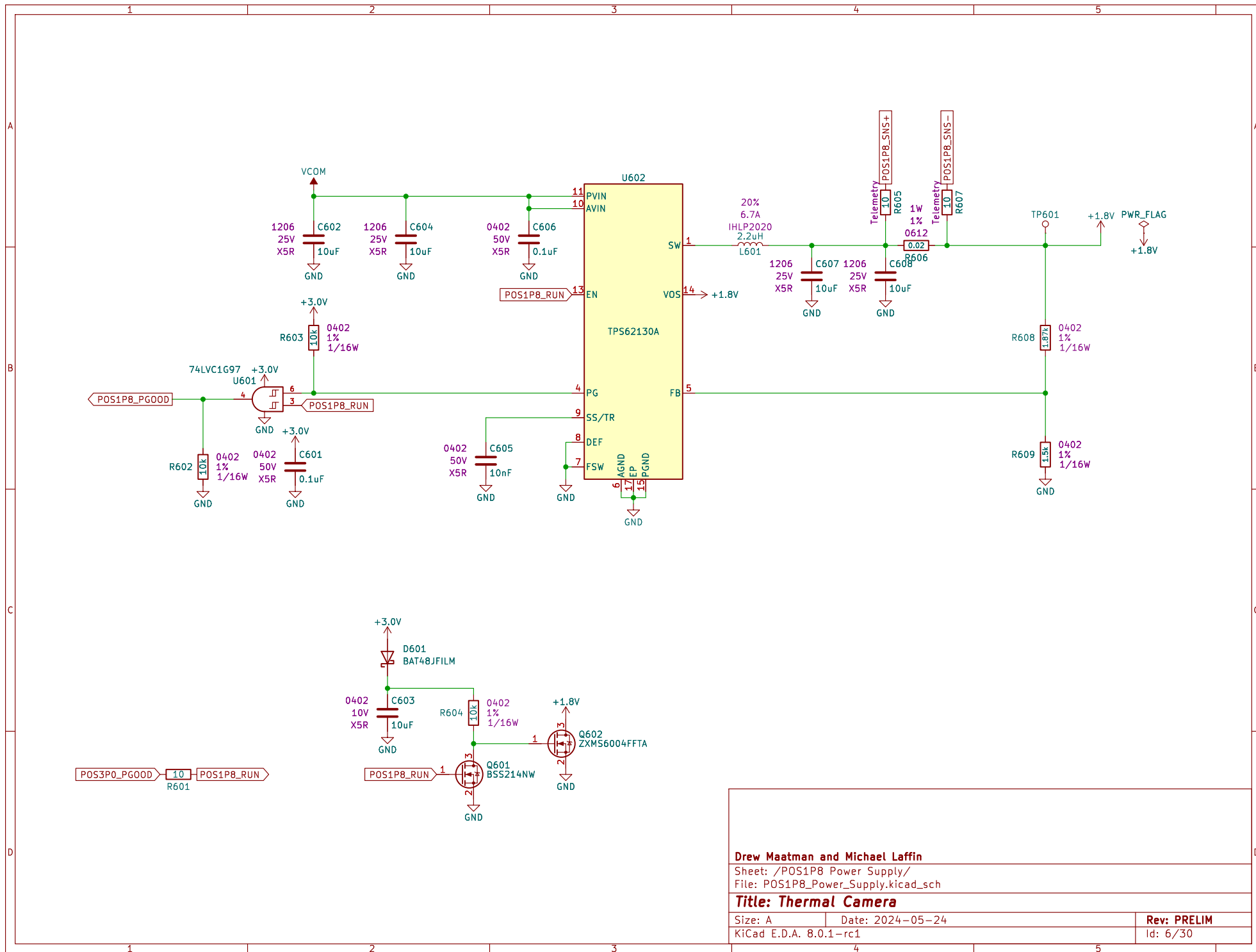
Drew Maatman and Michael Laffin

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Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 5/30



Drew Maatman and Michael Laffin

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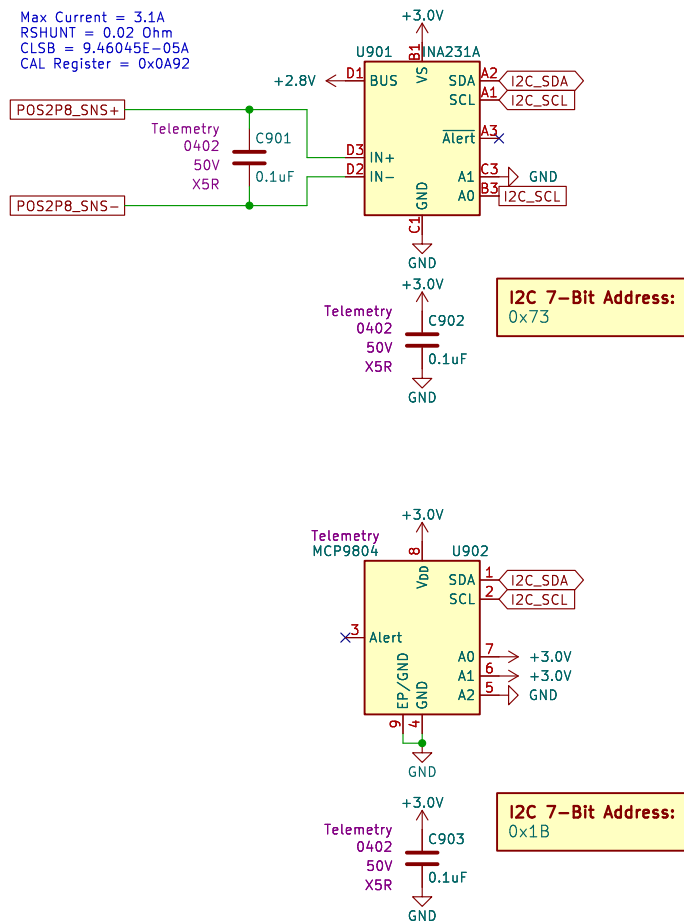
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KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM

Id: 6/30

Id: 8/30



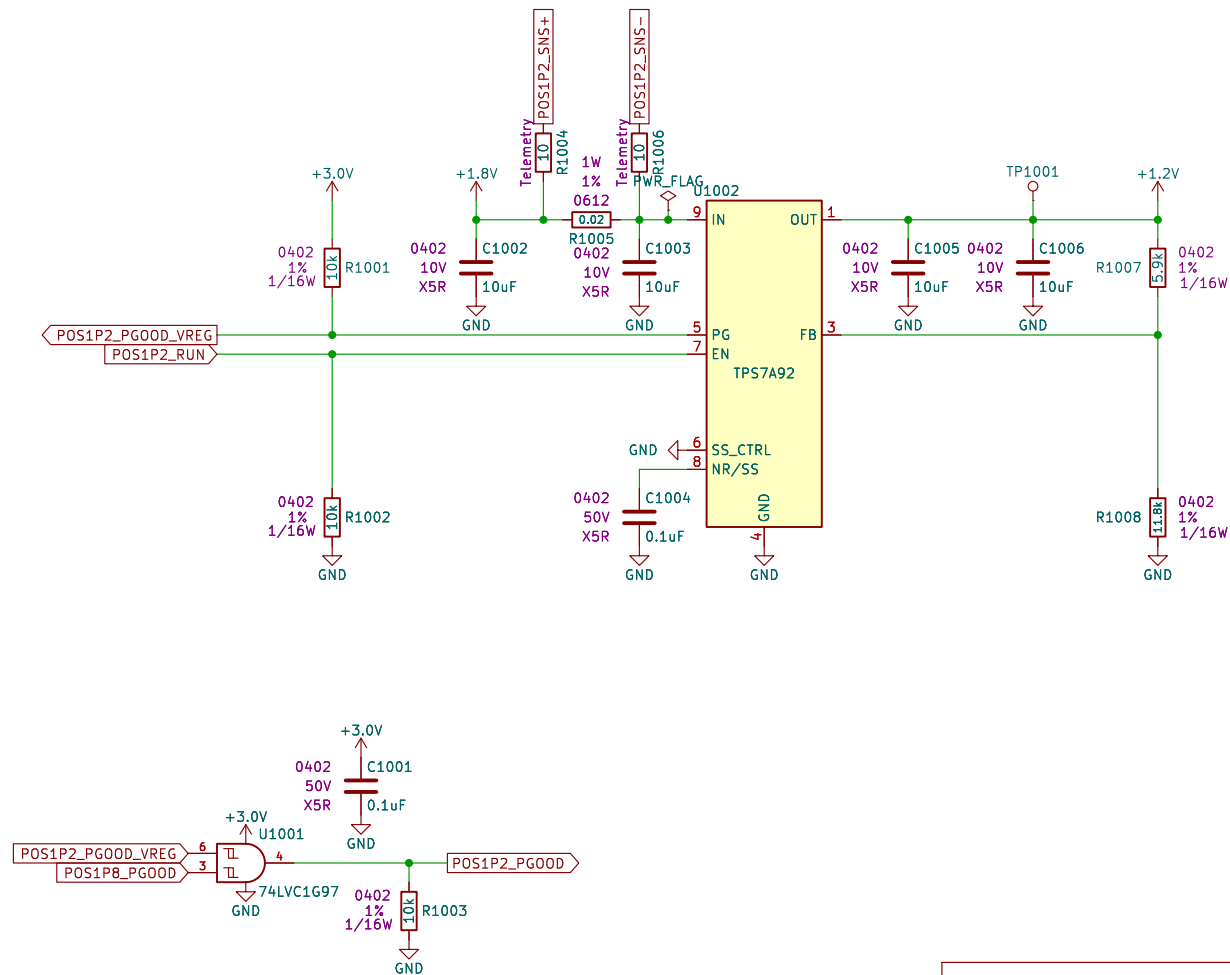
Drew Maatman and Michael Laffin

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KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 9/30



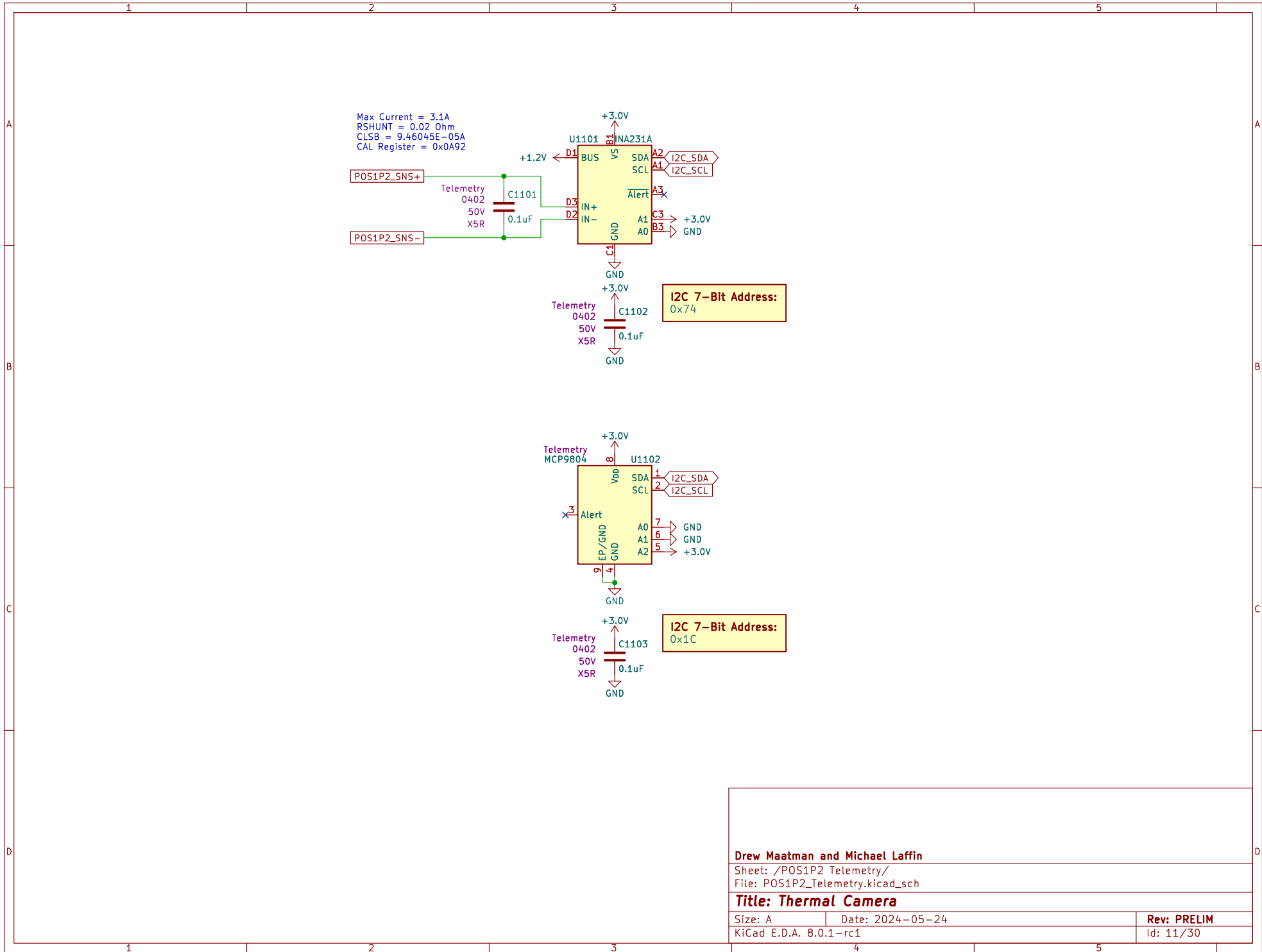
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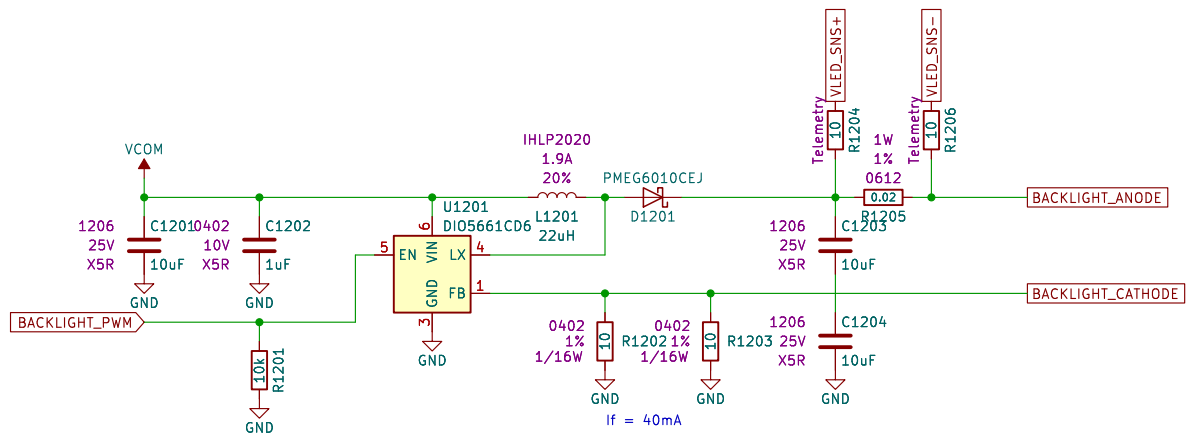
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Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 10/30





Drew Maatman and Michael Laffin

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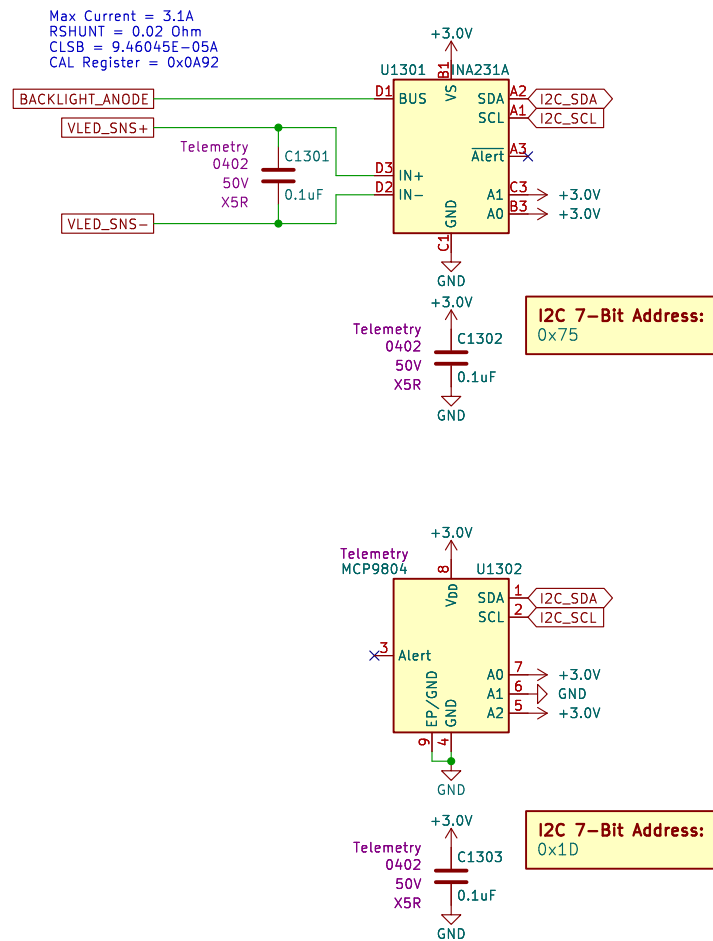
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KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM

Id: 12/30



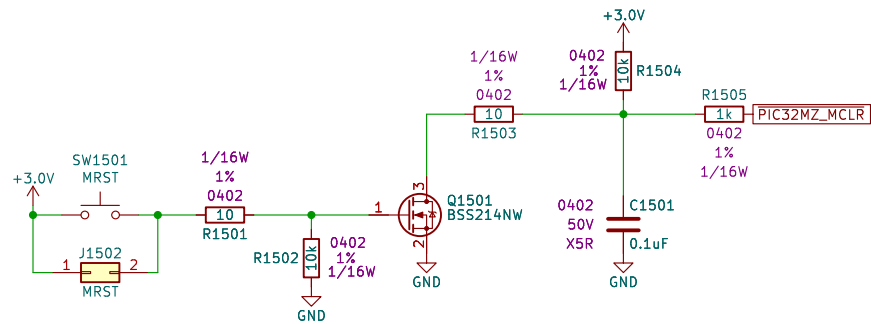
Drew Maatman and Michael Laffin

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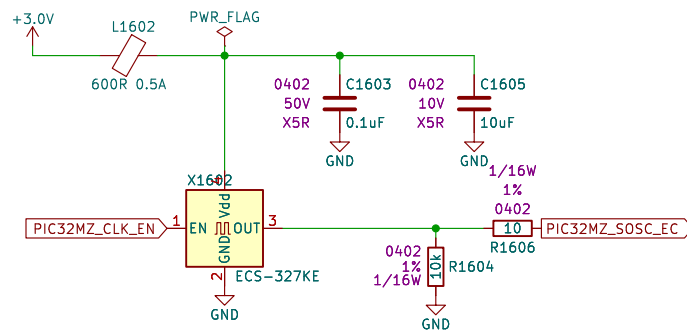
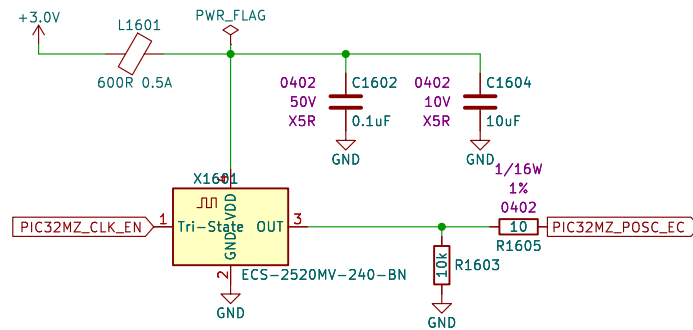
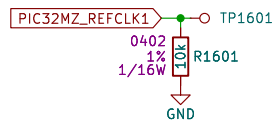
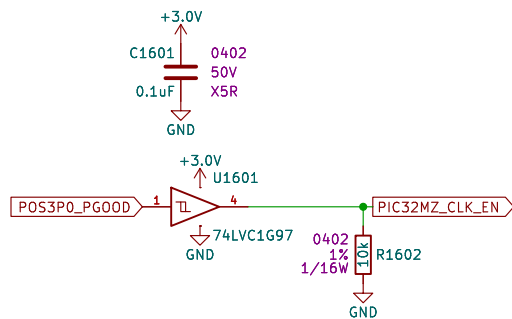
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KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 13/30



Rev: PRELIM
Id: 15/30



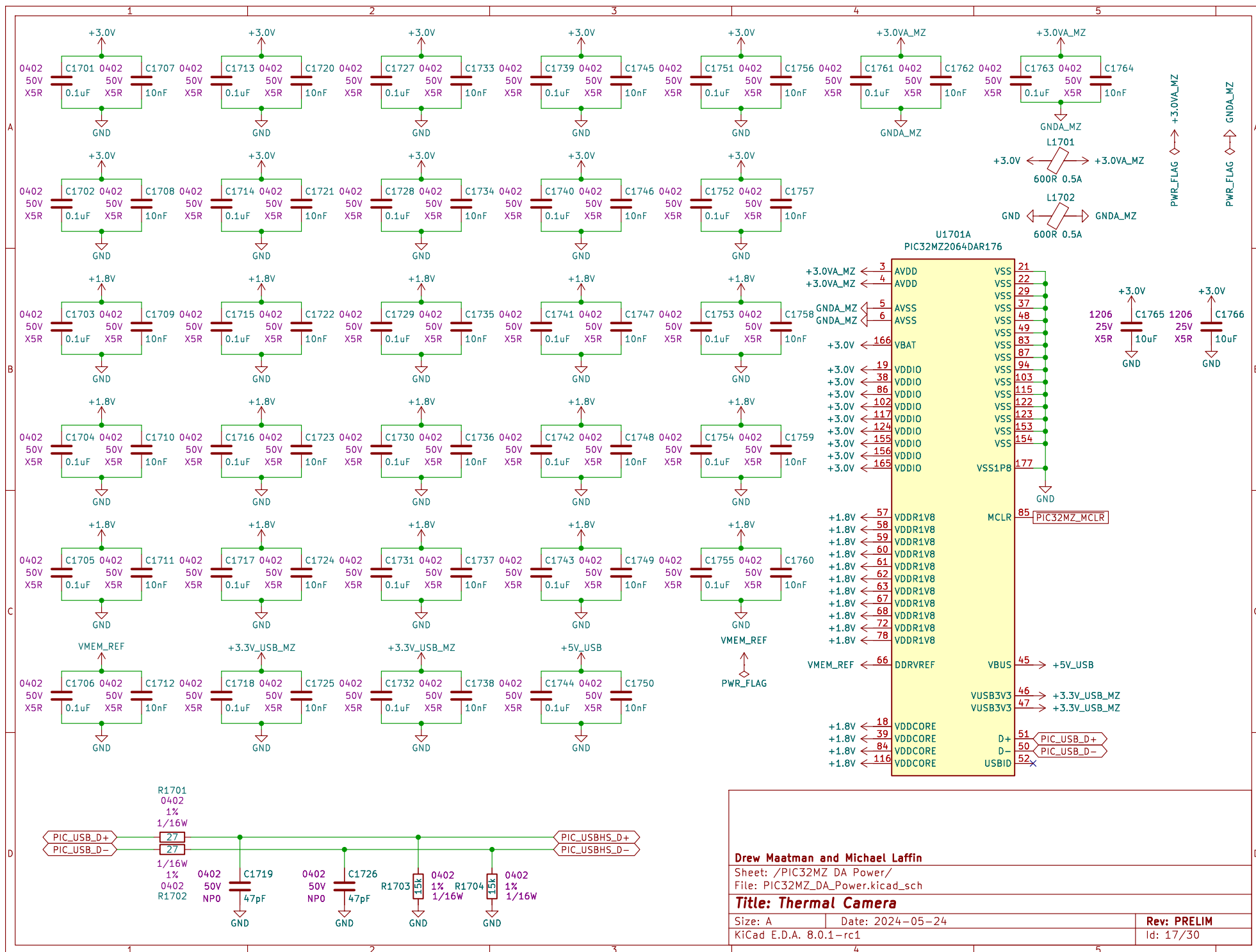
Drew Maatman and Michael Laffin

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Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 16/30



Drew Maatman and Michael Laffin

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

Title: Thermal Camera

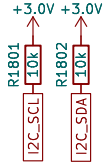
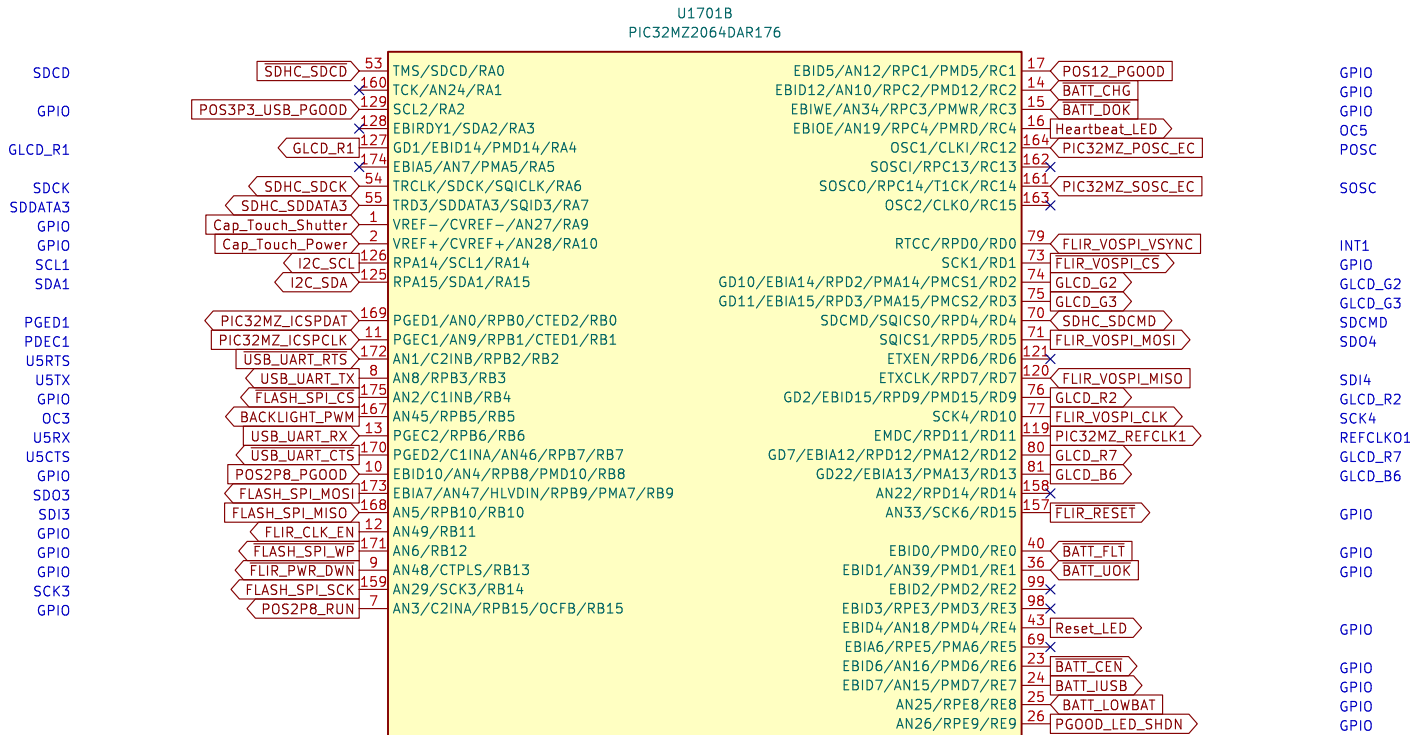
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KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM

Id: 17/30

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



Drew Maatman and Michael Laffin

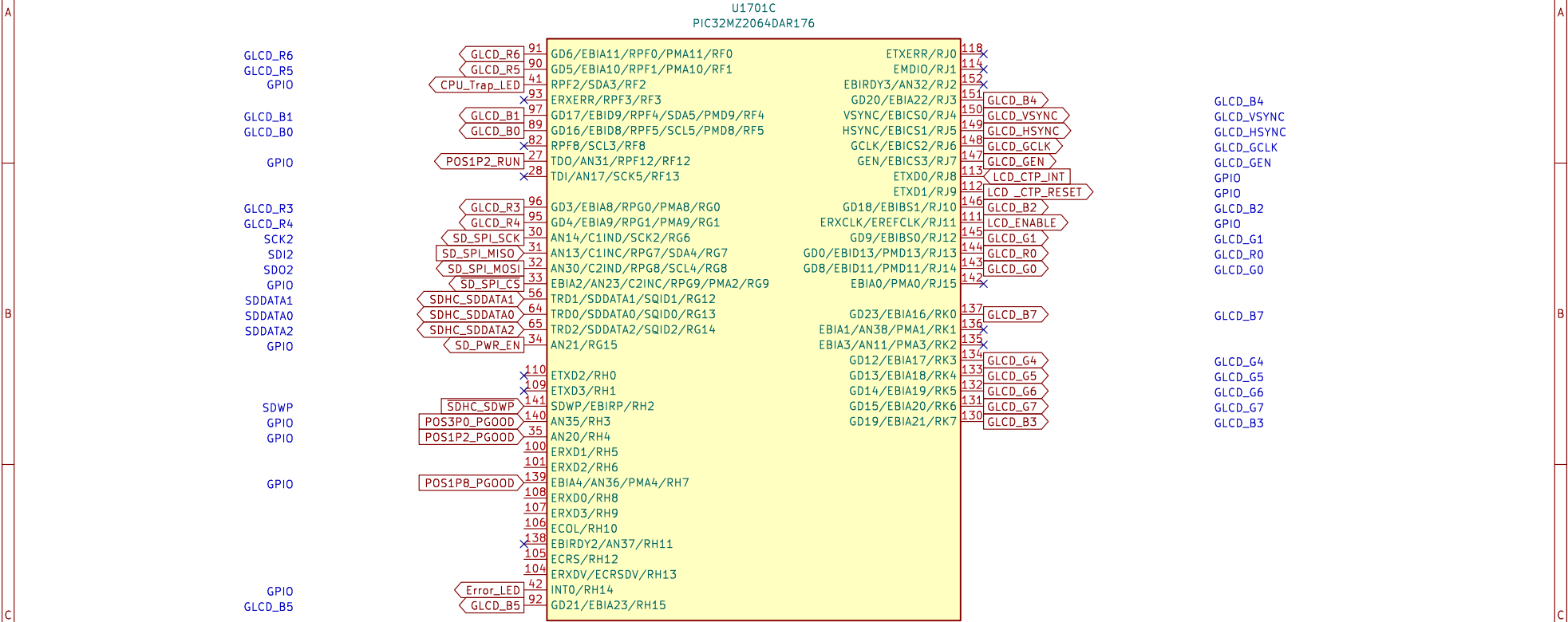
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Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 18/30

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



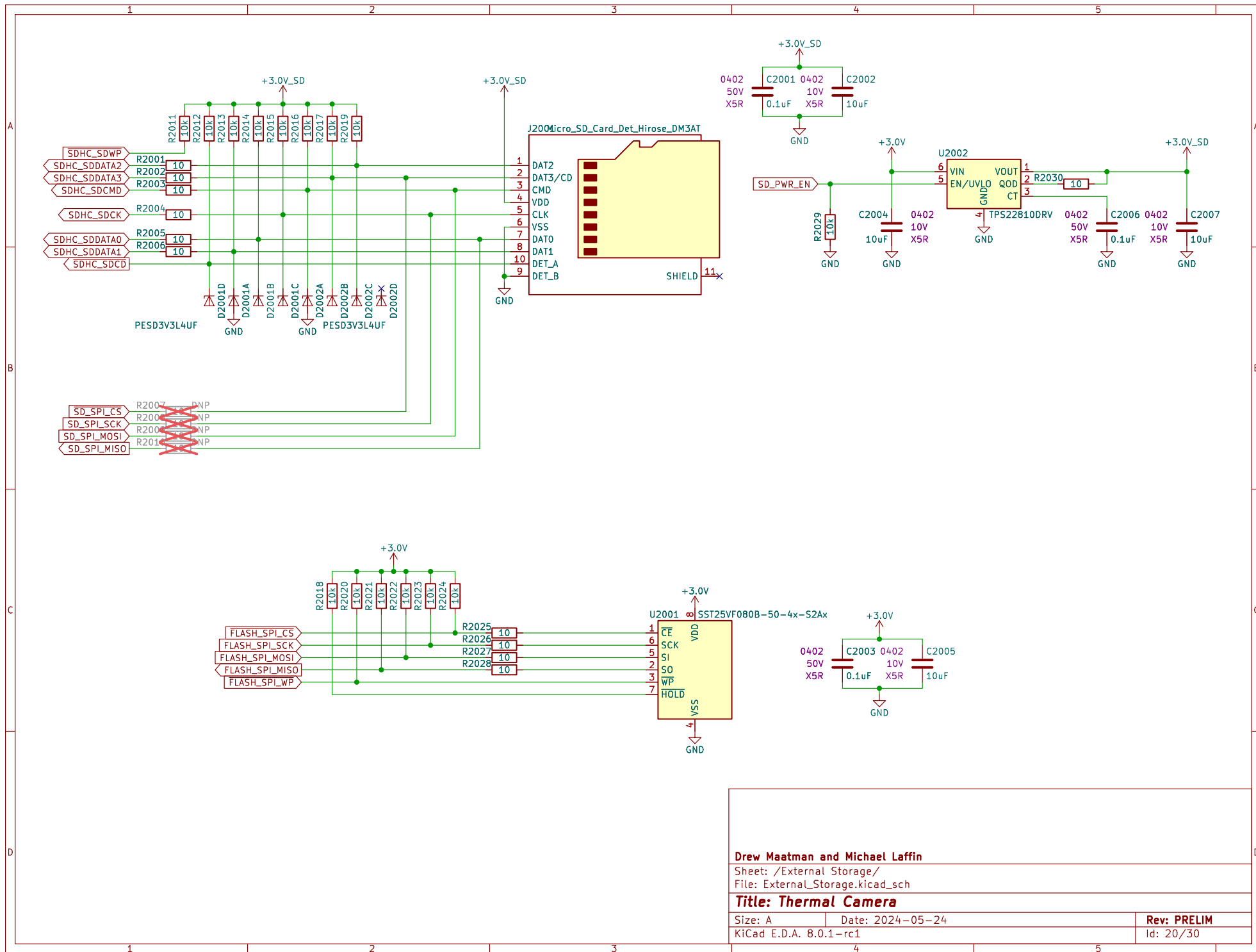
Drew Maatman and Michael Laffin

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Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 19/30



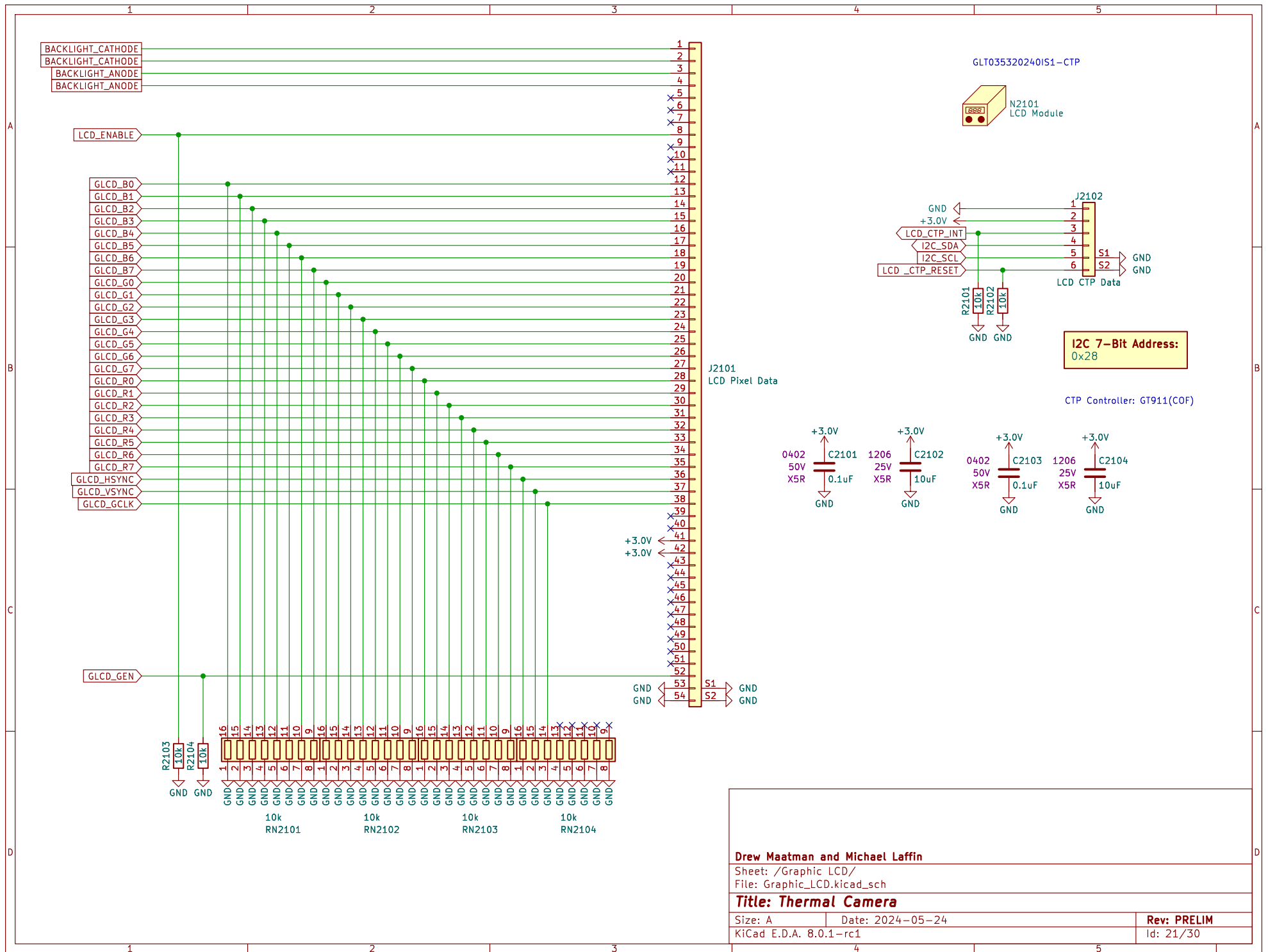
Drew Maatman and Michael Laffin

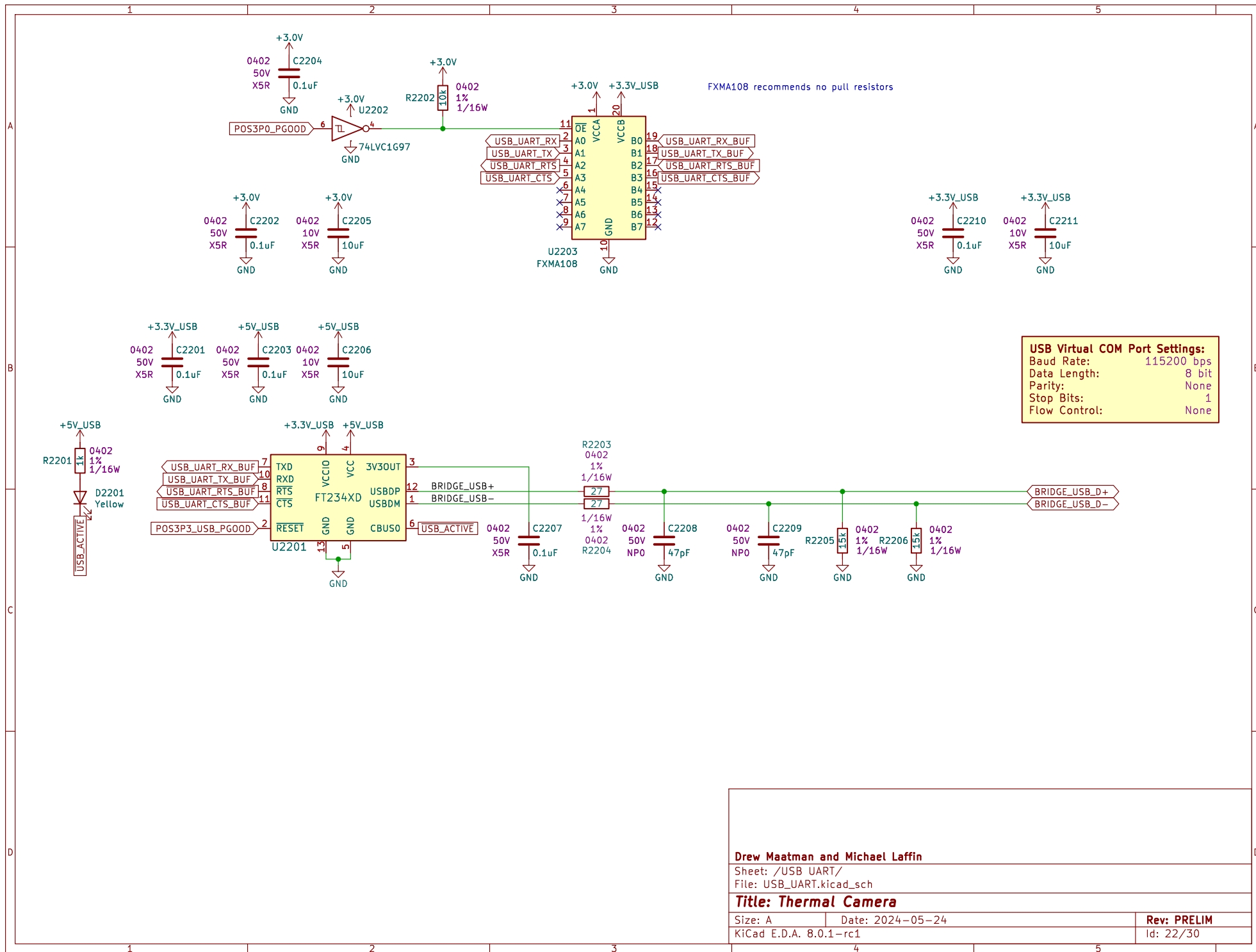
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Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 20/30





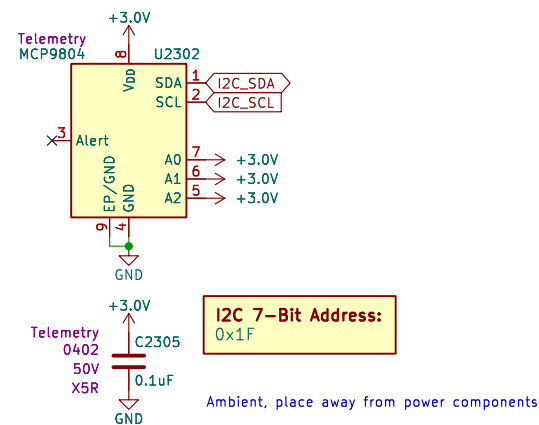
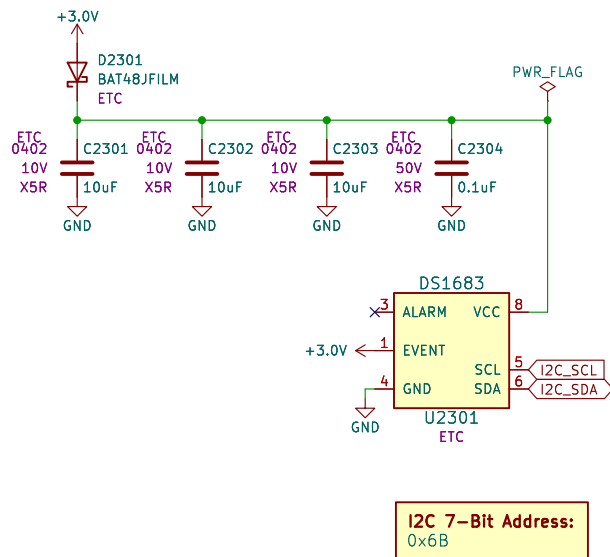
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Sheet: /USB UART/
File: USB_UART.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 22/30



Drew Maatman and Michael Laffin

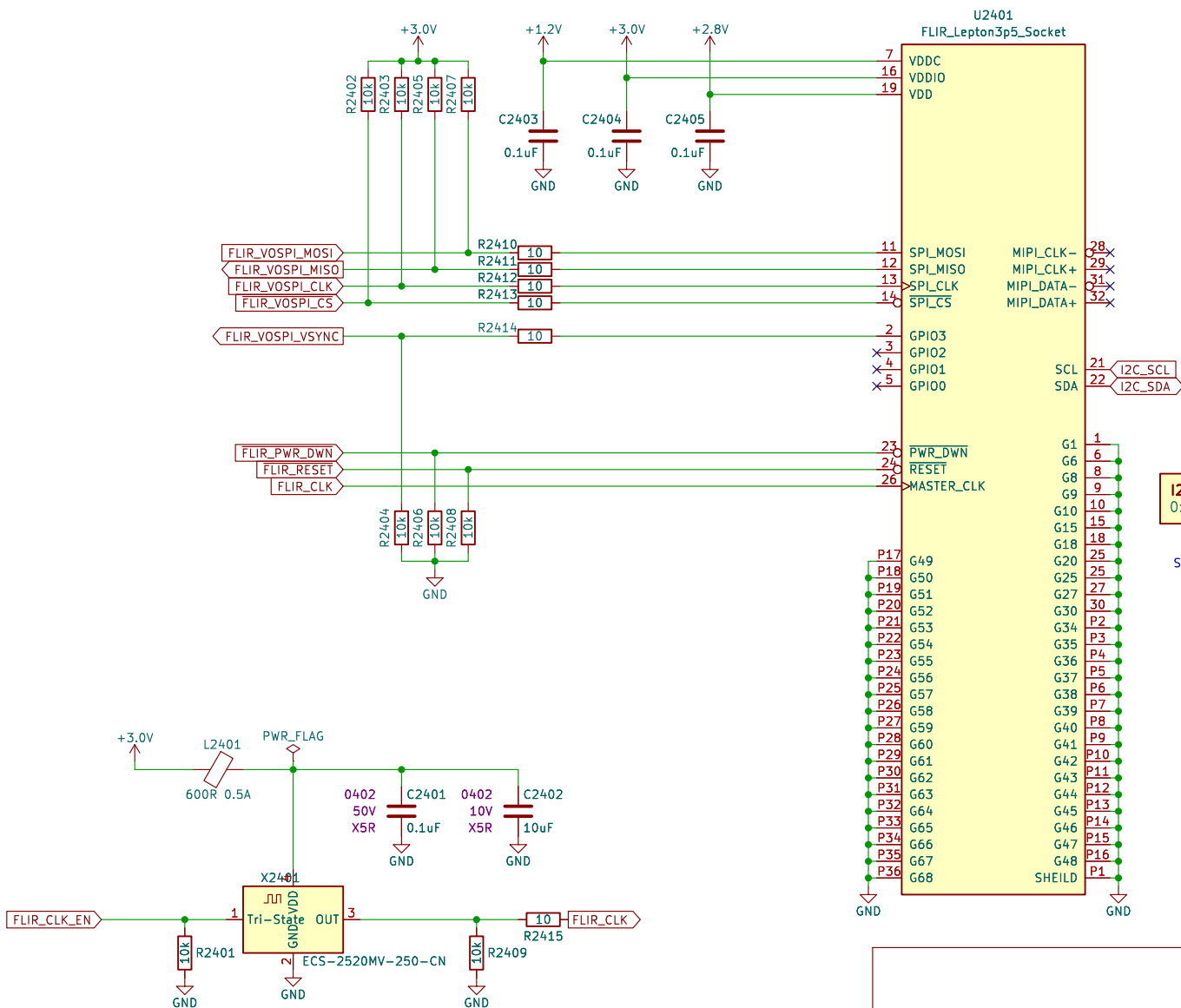
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File: Elapsed_Time_Counter.kicad_sch

Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 23/30

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

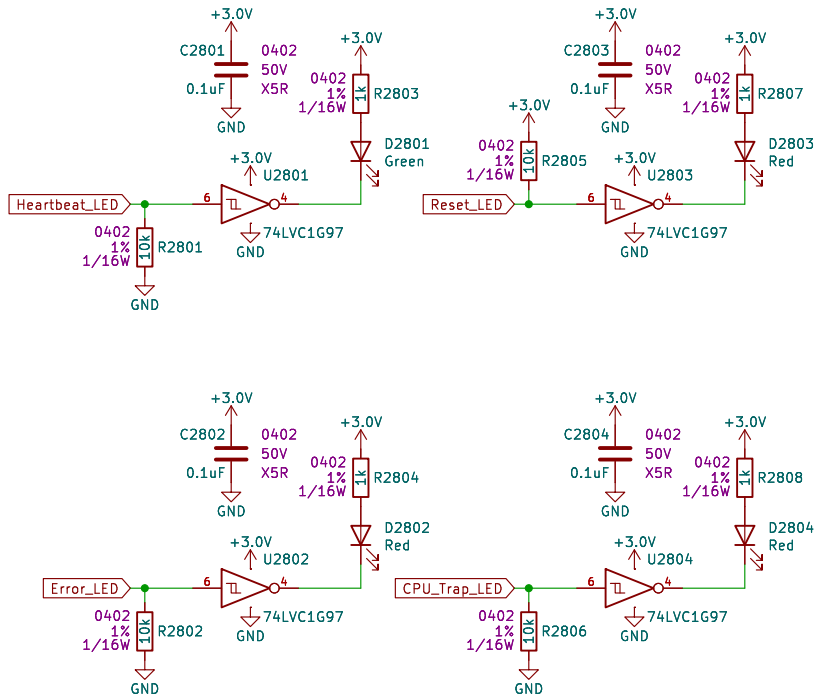
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM

Id: 24/30

Rev: PRELIM
Id: 26/30

Id: 27/30



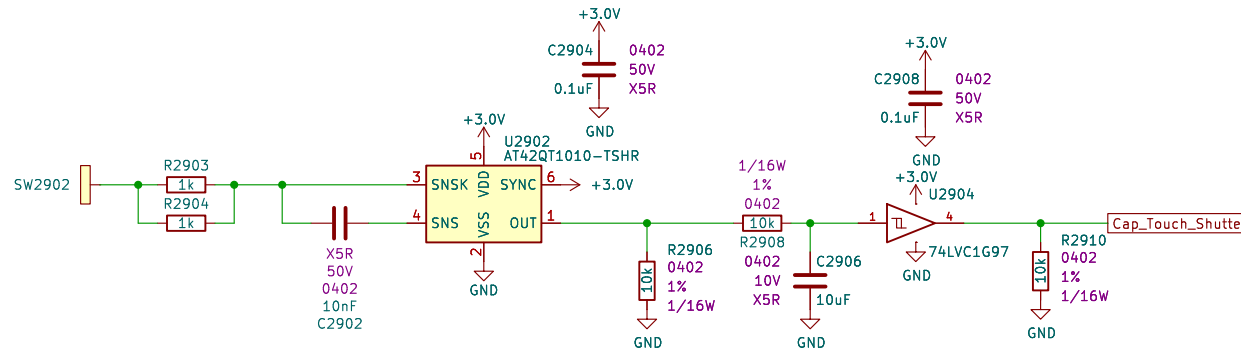
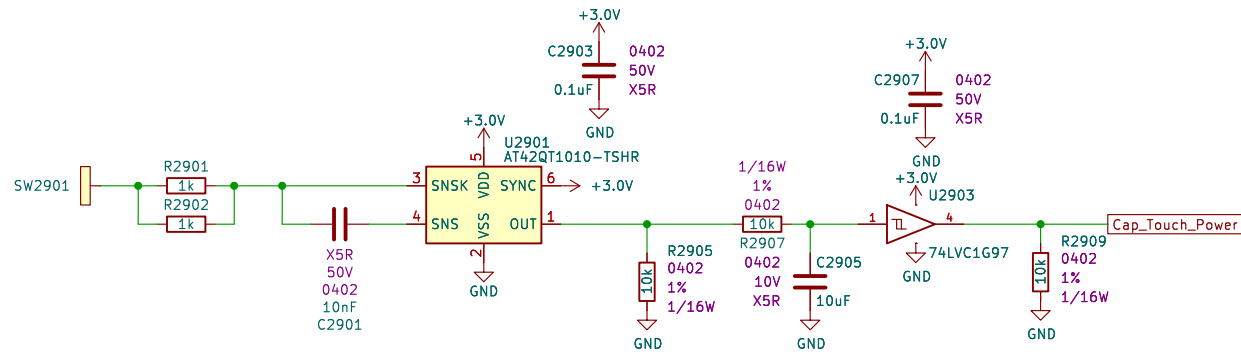
Drew Maatman and Michael Laffin

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Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 28/30



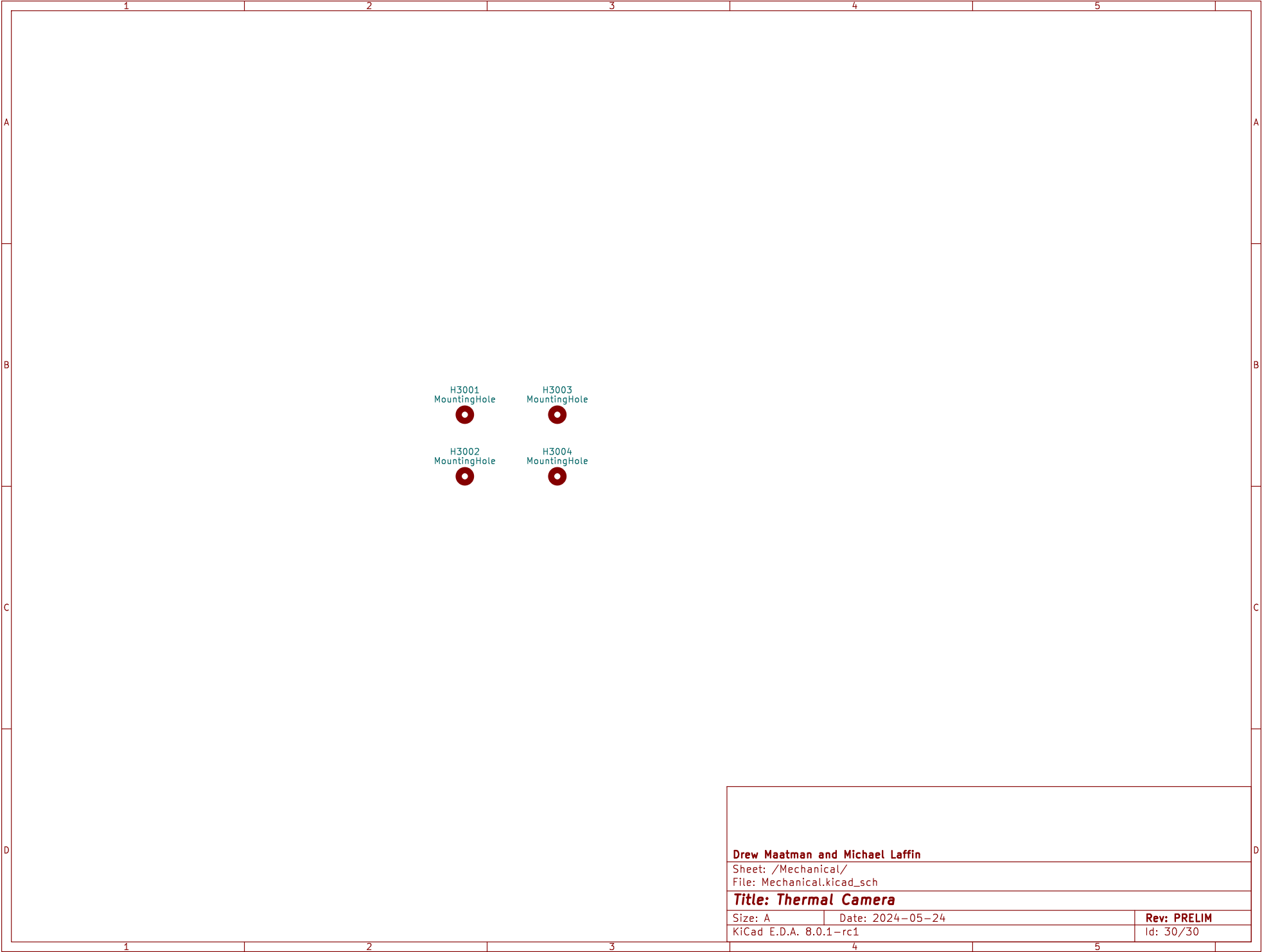
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Title: Thermal Camera

Size: A Date: 2024-05-24
KiCad E.D.A. 8.0.1-rc1

Rev: PRELIM
Id: 29/30



Drew Maatman and Michael Laffin		
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Size: A	Date: 2024-05-24	Rev: PRELIM
KiCad E.D.A. 8.0.1-rc1		Id: 30/30