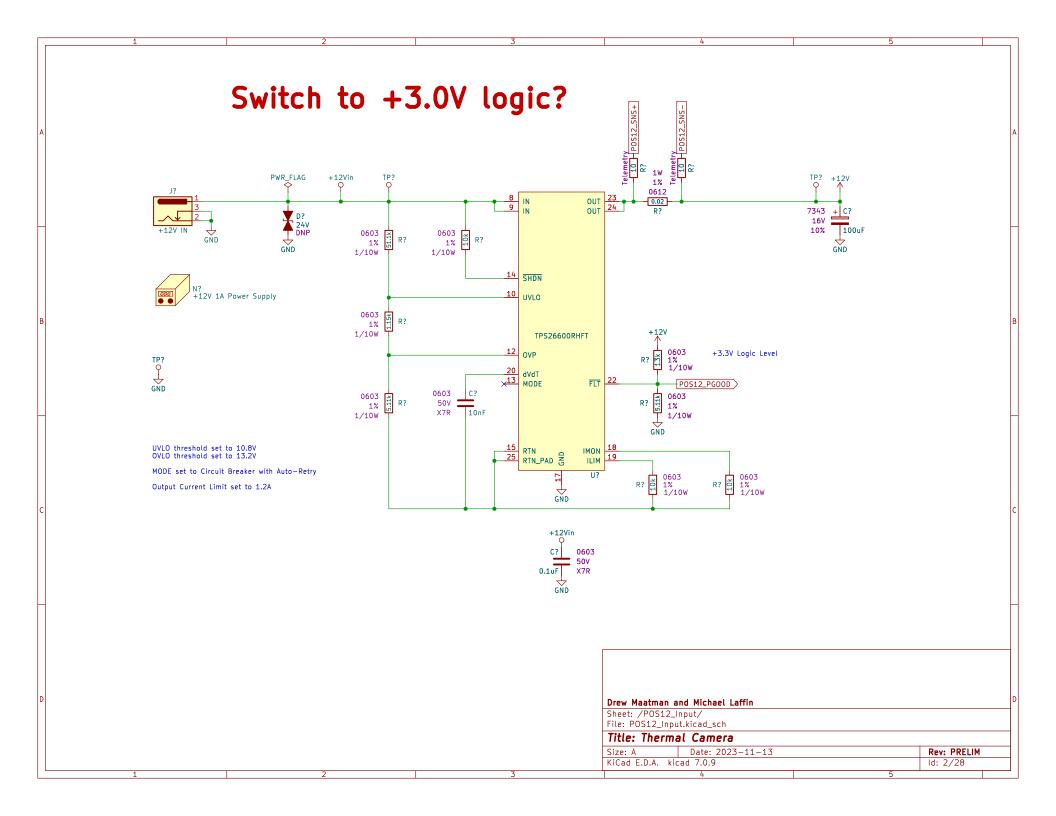
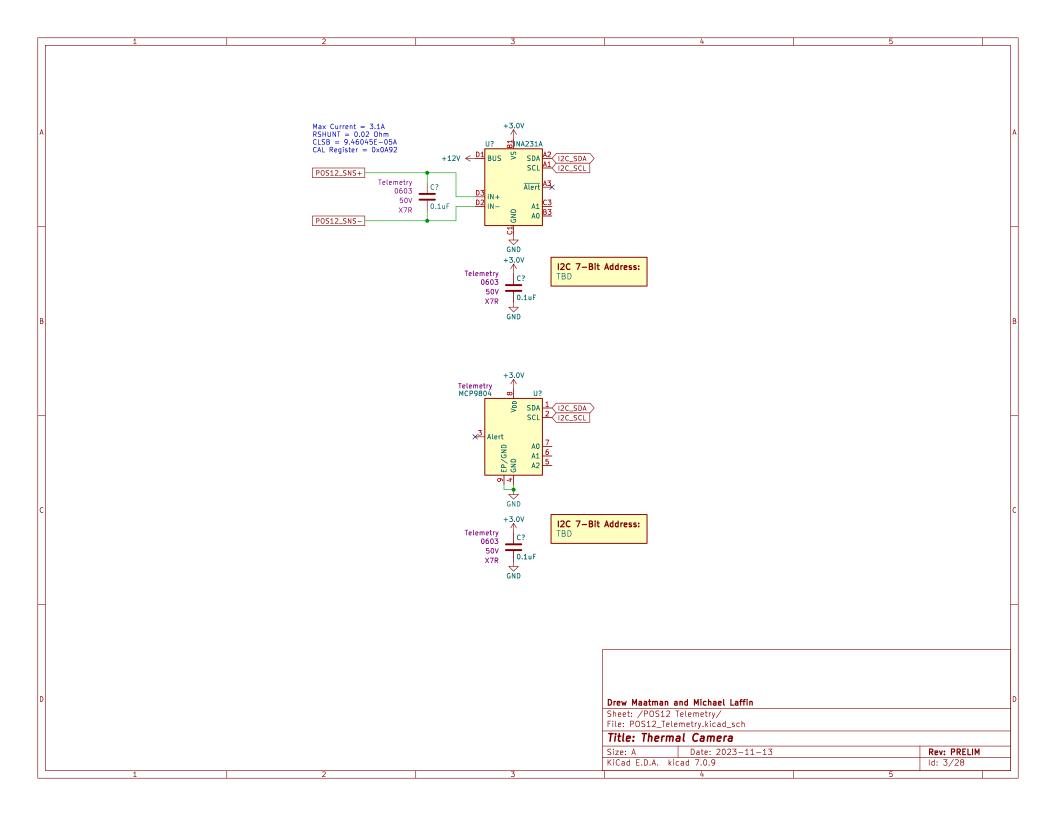
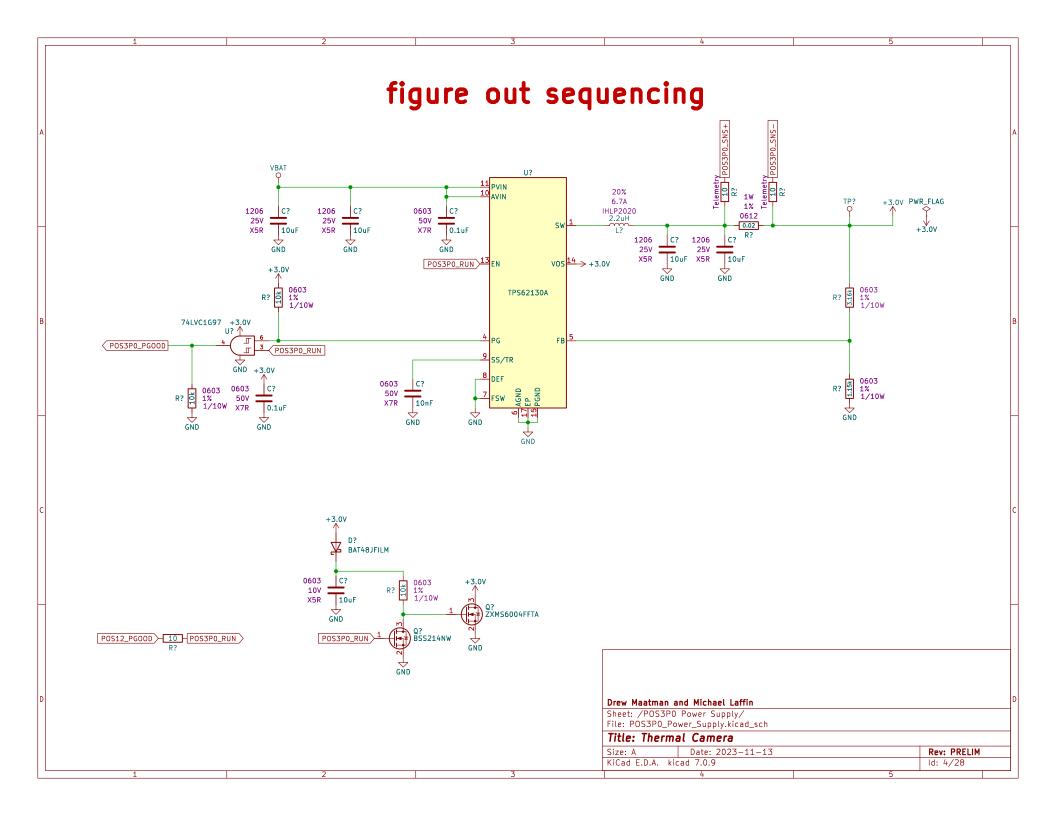
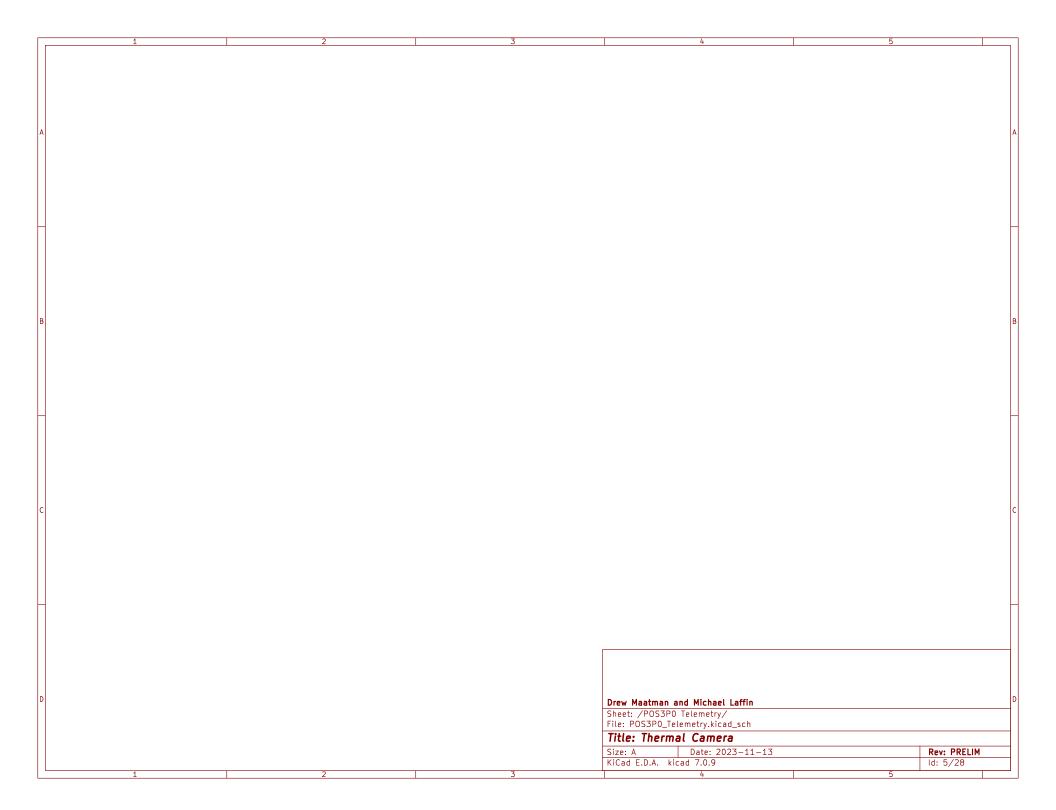
Thermal Camera

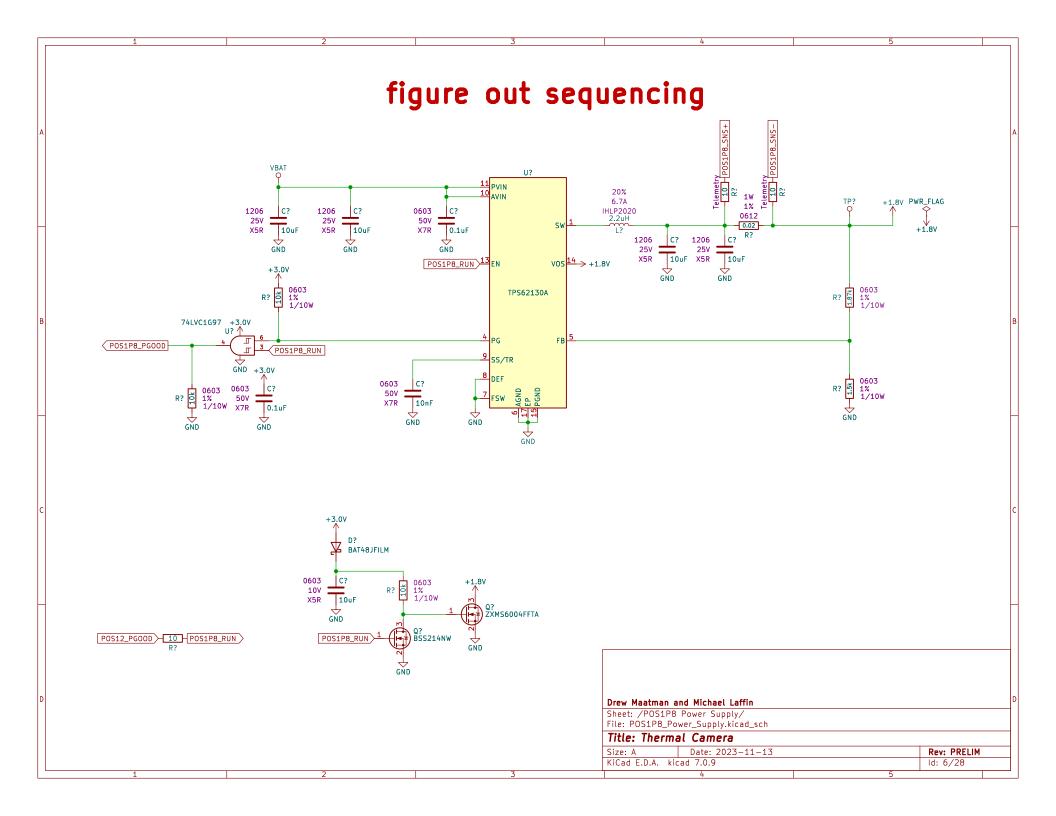
TICTHAT CAMETA									
https://github.com/drewsum/Thermal_Camera									
01. Table of Contents									
02. POS12 Input	POS12_Input	14. Battery Management	Battery Management 26. PGOOD LEDs	PGOOD LEDs					
03. POS12 Telemetry	POS12 Telemetry	15. PIC32MZ DA Programming	PIC32MZ DA Programming 27. Status LEDs	Status LEDs					
04. POS3PO Power Supply	POS3PO Power Supply	16. PIC32MZ DA Clocking	PIC32MZ DA Clocking 28. Mechanical	Mechanical					
05. POS3PO Telemetry	POS3PO Telemetry	17. PIC32MZ DA Power	PIC32MZ DA Power						
06. POS1P8 Power Supply	POS1P8 Power Supply	18. PIC32MZ DA 1	PIC32MZ DA 1						
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 Sheet: /						
			File: Thermal_Camera.kicad_sch						
			Title: Thermal Camera Size: A Date: 2023-11-13	Rev: PRELIM					
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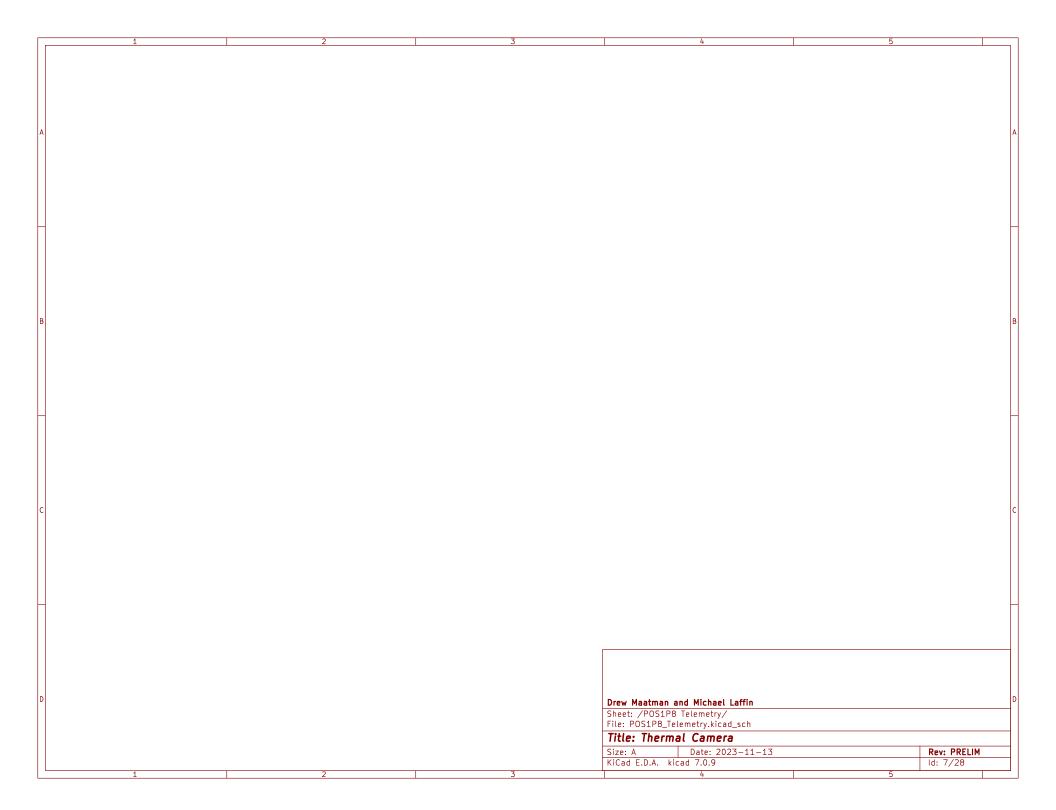


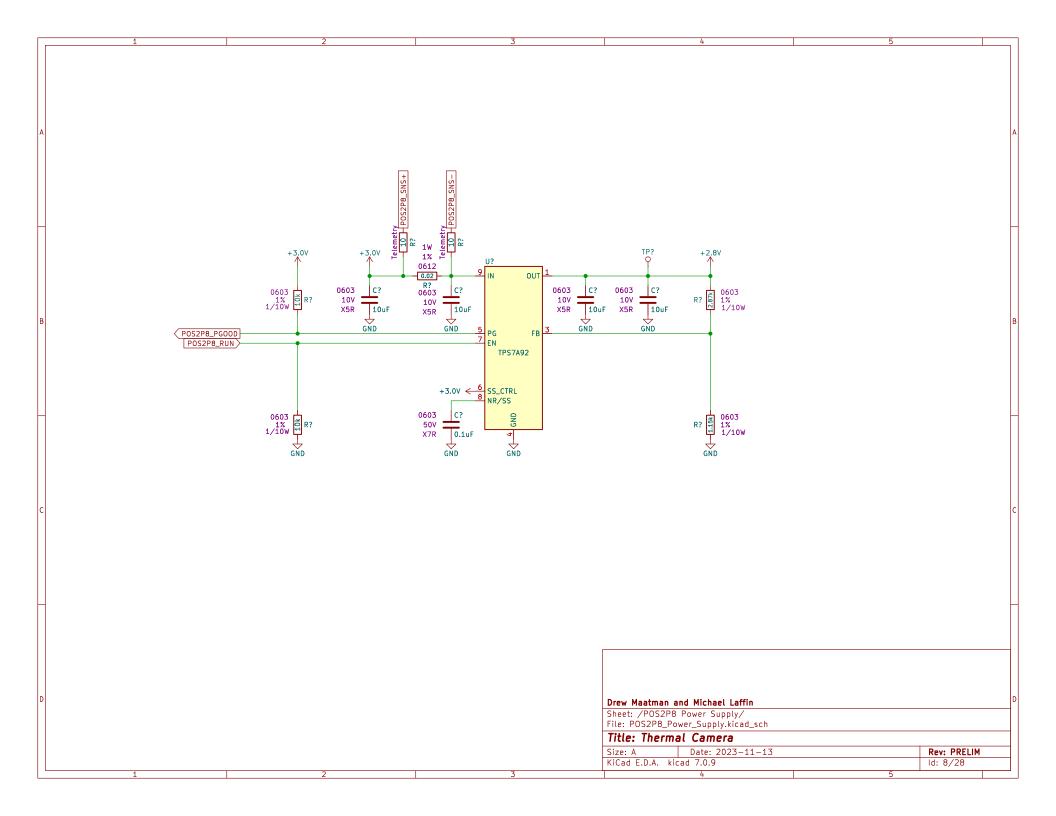


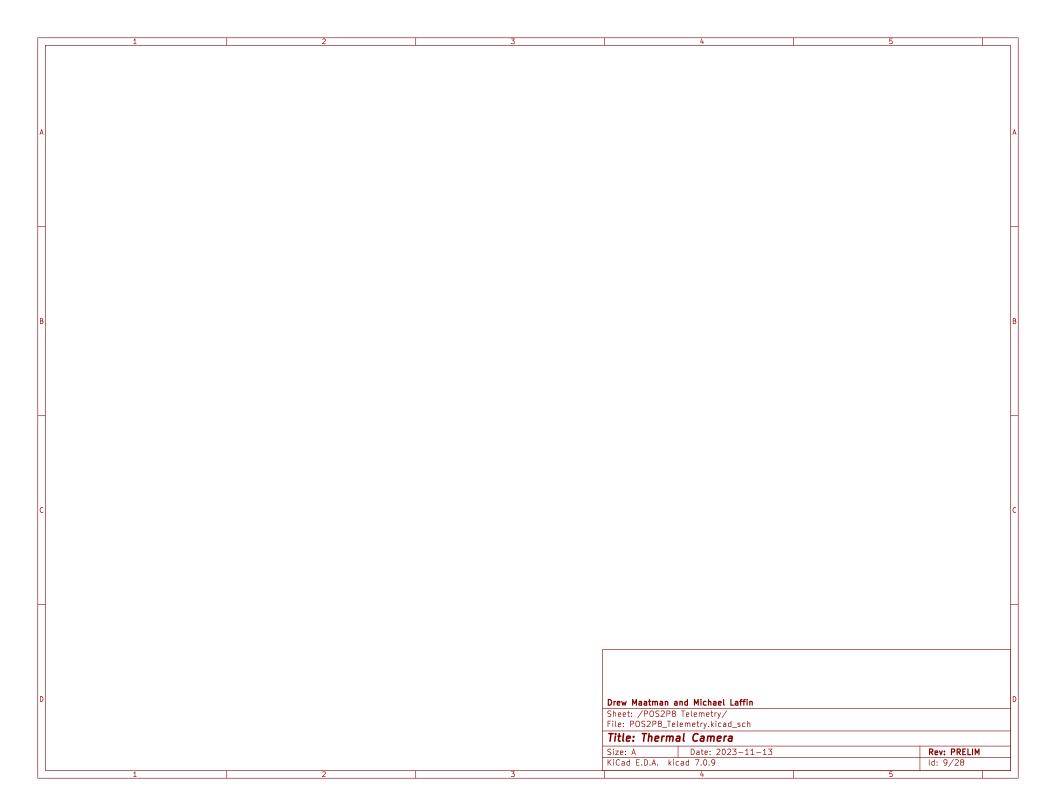


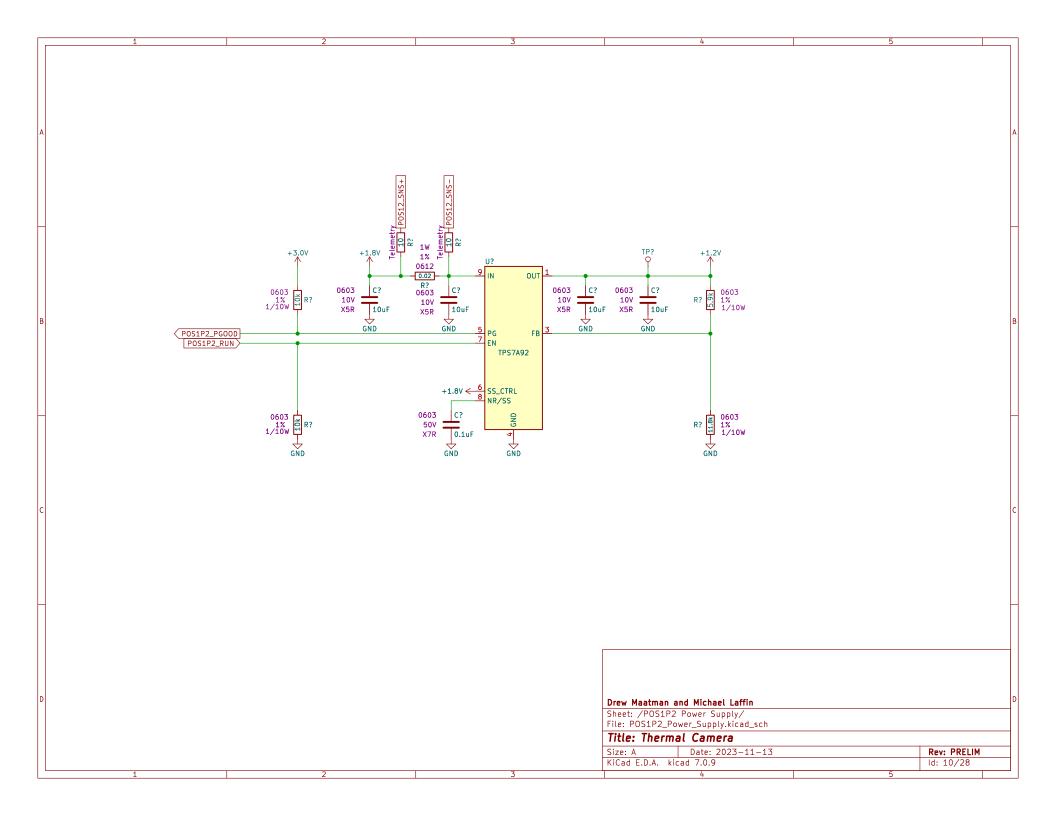


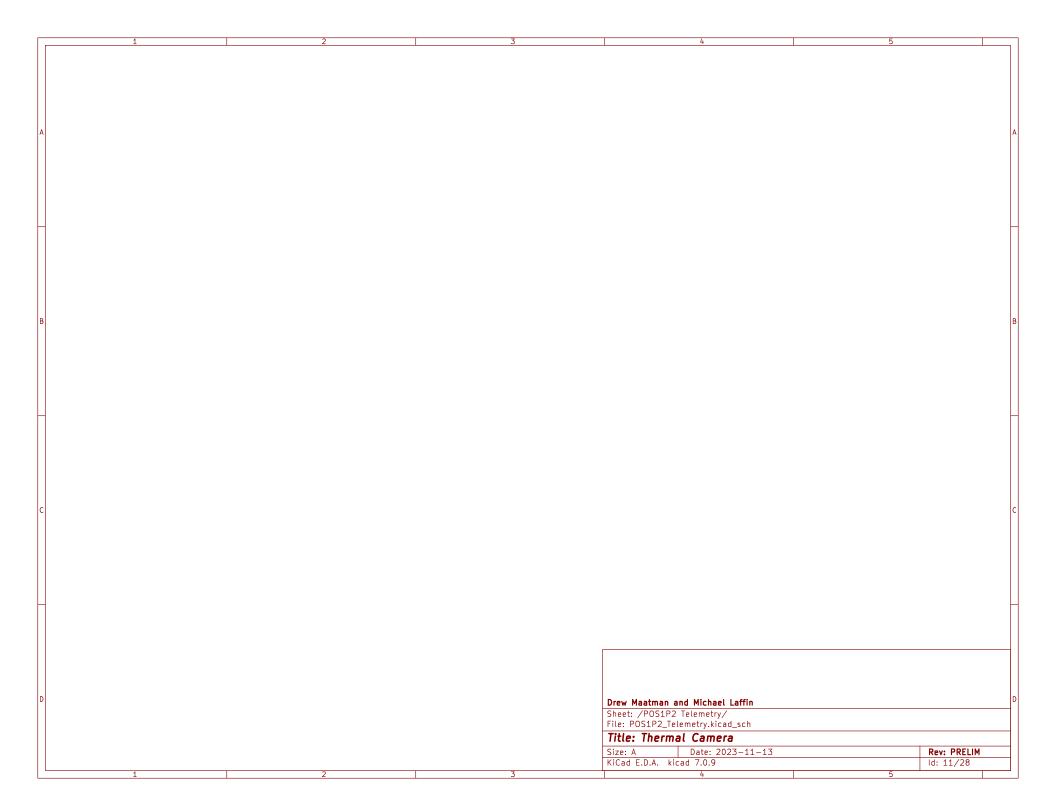




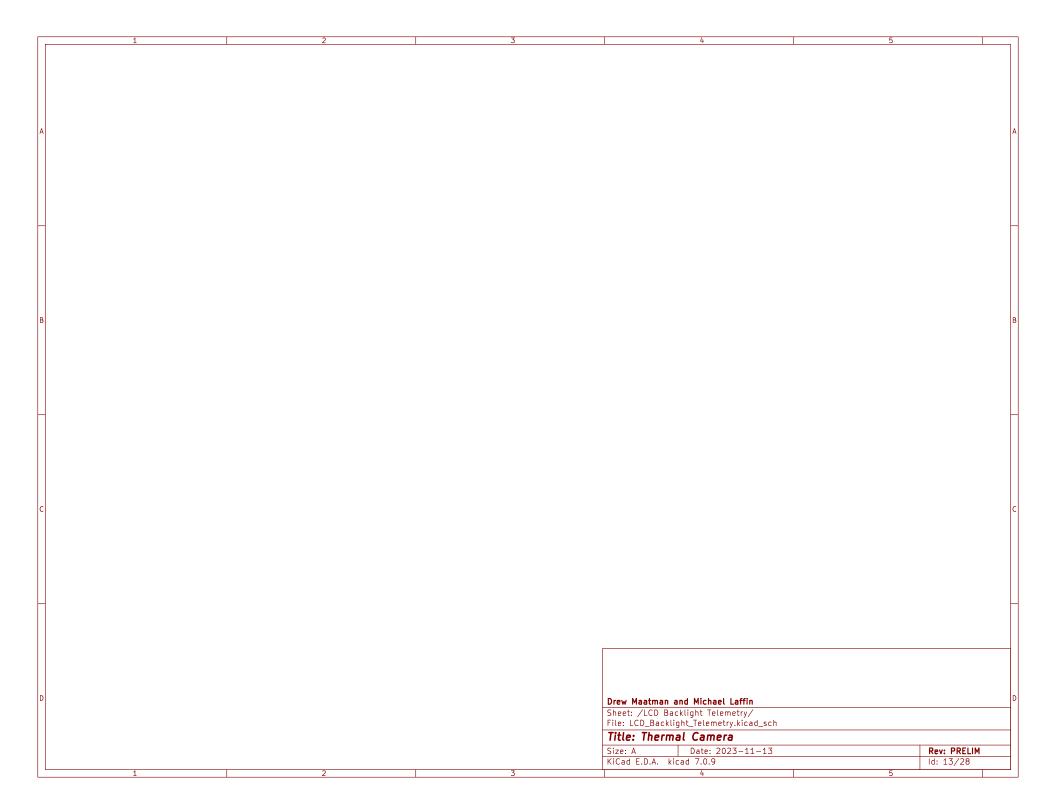


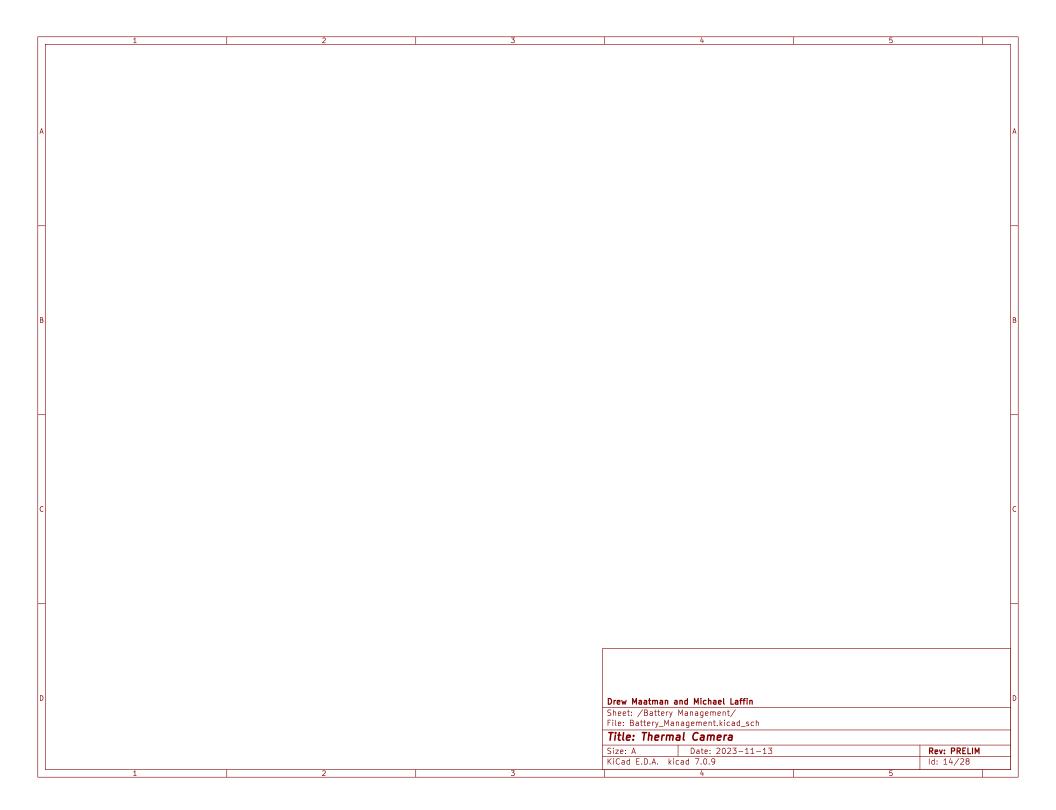




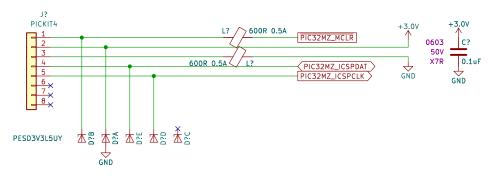


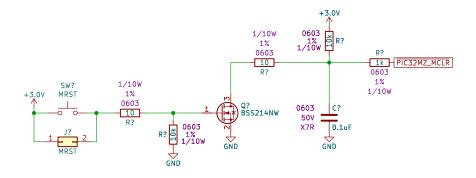
	1	2	3	4	5	$\overline{}$
Α						А
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D				Drew Maatman and Michael Laffin Sheet: /LCD Backlight Power Supply/ File: LCD_Backlight_Power_Supply.kicad_so Title: Thermal Camera Size: A Date: 2023-11-13 Kicad E.D.A. kicad 7.0.9	Rev: PRELIM	D





COPIED FROM PIC32MZ EF FIX FOR PIC32MZ DA CONSIDER REMOVING BEADS





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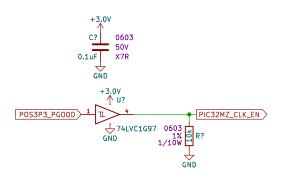
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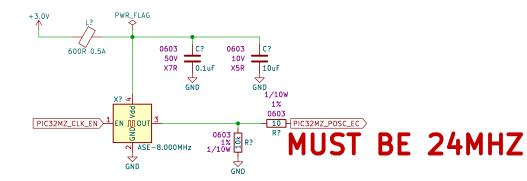
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 Rev: PRELIM

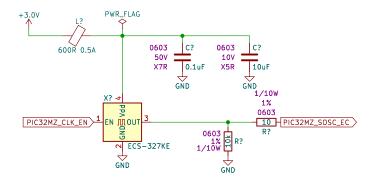
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 Id: 15/28

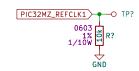
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COPIED FROM PIC32MZ EF FIX FOR PIC32MZ DA CHANGE TO +3.0V CLOCKS









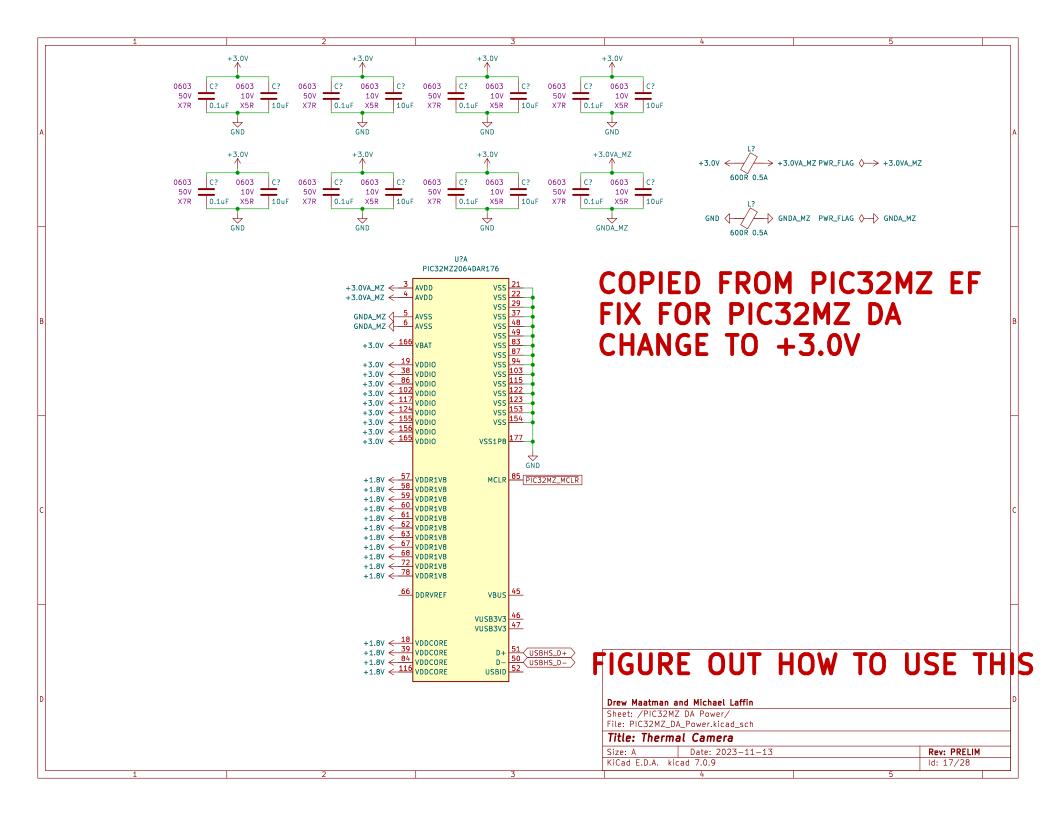
Drew Maatman and Michael Laffin

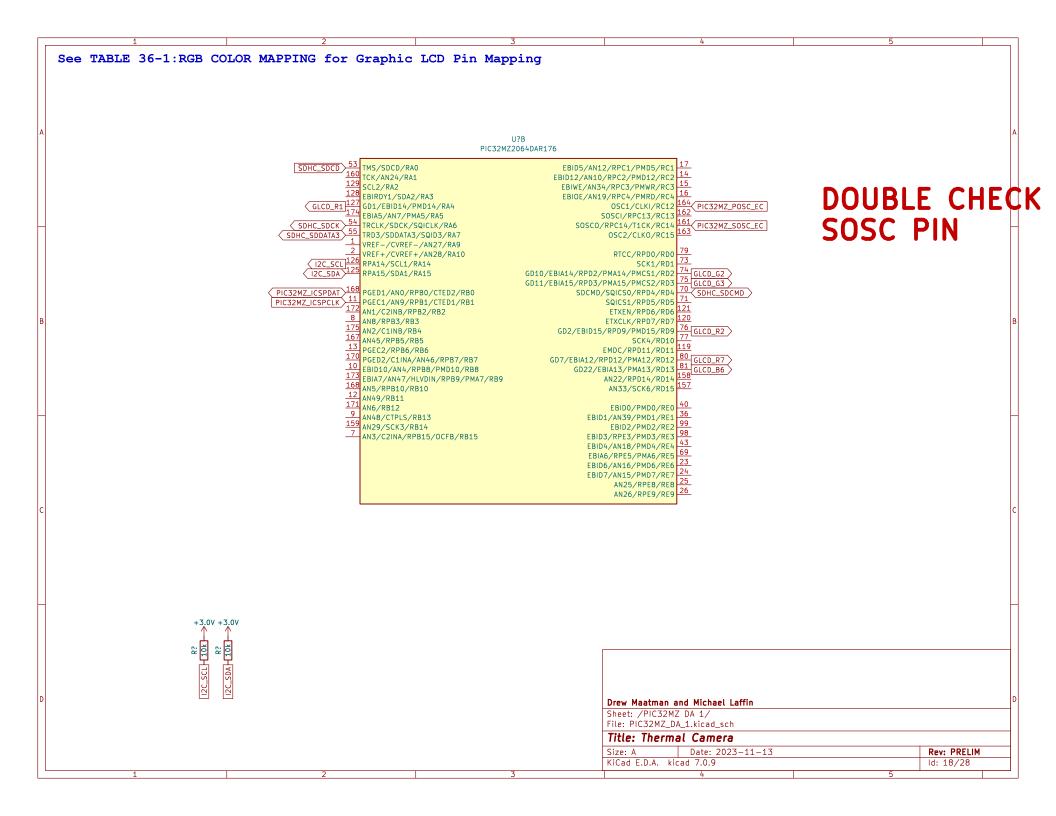
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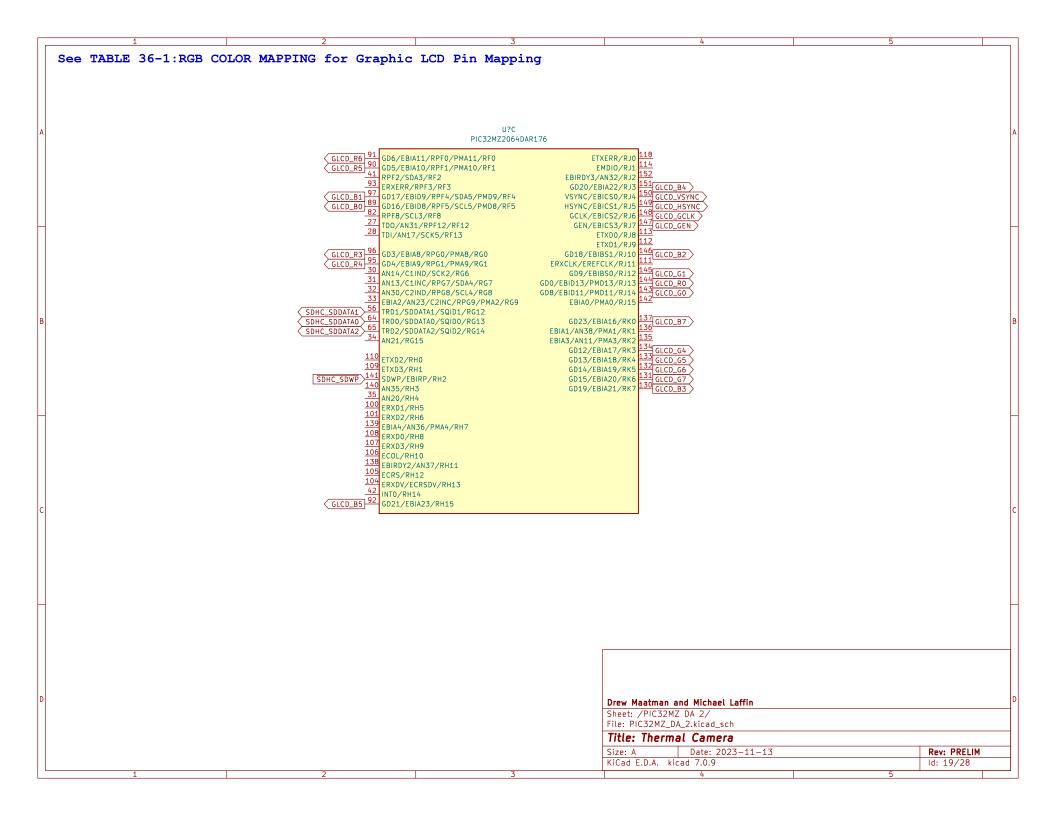
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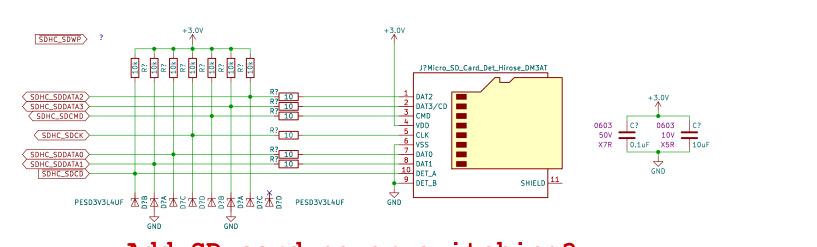
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 Id: 16/28

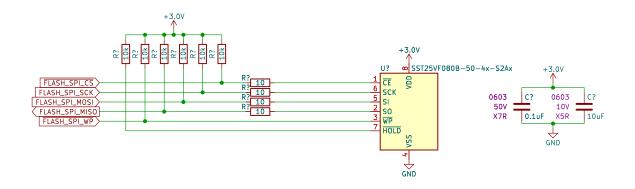








Add SD card power switching?



SD CARD, SPI FLASH

BREAK OUT A SPI TO SD CARD AS INSURANCE

BREAK OUT FLASH SPI TO A HEADER FOR PROGRAMMING

Sheet: /External Storage/
File: External_Storage.kicad_sch

Title: Thermal Camera

 Size: A
 Date: 2023-11-13
 Rev: PRELIM

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 Id: 20/28

