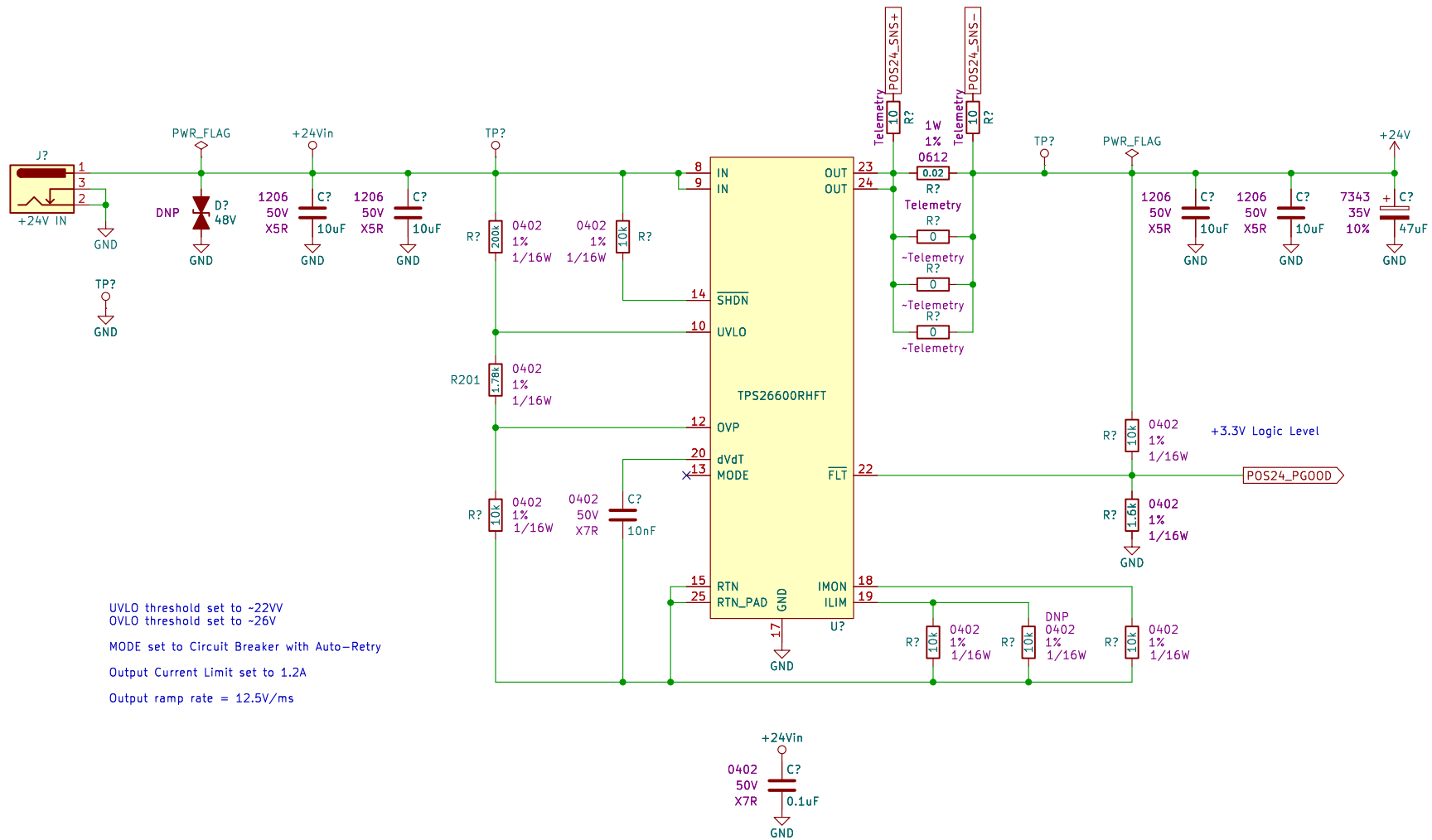


	1	2	3	4	5	
A	<div>Power Input</div> <div></div> <div>File: power_input.kicad_sch</div> <div>Power Input Telemetry</div> <div></div> <div>File: power_input_telemetry.kicad_sch</div> <div>+3.3V Power Supply</div> <div></div> <div>File: pos3p3_power_supply.kicad_sch</div> <div>+3.3V Telemetry</div> <div></div> <div>File: pos3p3_telemetry.kicad_sch</div> <div>+180V Power Supply</div> <div></div> <div>File: pos180_power_supply.kicad_sch</div> <div>+180V Telemetry</div> <div></div> <div>File: pos180_telemetry.kicad_sch</div> <div>PIC32MZ Programming</div> <div></div> <div>File: pis32mz_programming.kicad_sch</div> <div>PIC32MZ Bypass</div> <div></div> <div>File: PIC32MZ_Bypass.kicad_sch</div> <div>PIC32MZ</div> <div></div> <div>File: PIC32MZ.kicad_sch</div> <div>PIC32MZ Clocking</div> <div></div> <div>File: PIC32MZ_Clocking.kicad_sch</div> <div>Backup RTC</div> <div></div> <div>File: Backup_RTC.kicad_sch</div> <div>USB UART Bridge</div> <div></div> <div>File: USB_UART_Bridge.kicad_sch</div> <div>Platform ETC</div> <div></div> <div>File: Platform_ETC.kicad_sch</div> <div>PGOOD LEDs</div> <div></div> <div>File: PGOOD_LEDs.kicad_sch</div> <div>Status LEDs</div> <div></div> <div>File: Status_LEDs.kicad_sch</div>	<div>IO Buffers 1</div> <div></div> <div>File: IO_Buffers_1.kicad_sch</div> <div>IO Buffers 2</div> <div></div> <div>File: IO_Buffers_2.kicad_sch</div> <div>IO Connectors</div> <div></div> <div>File: IO_Connectors.kicad_sch</div> <div>Misc Circuits</div> <div></div> <div>File: Misc_Circuits.kicad_sch</div> <div>Mechanical</div> <div></div> <div>File: Mechanical.kicad_sch</div>				A
B						B
C						C
D					<div>Drew Maatman</div> <div>Sheet: /</div> <div>File: Nixie_Clock_Core.kicad_sch</div> <div>Title:</div> <div>Size: A</div> <div>Date: 2023-05-12</div> <div>Rev: PRELIM</div> <div>KiCad E.D.A. kicad 7.0.1</div> <div>Id: 1/21</div>	D
	1	2	3	4	5	



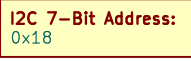
Drew Maatman

Sheet: /Power Input/
 File: power_input.kicad_sch

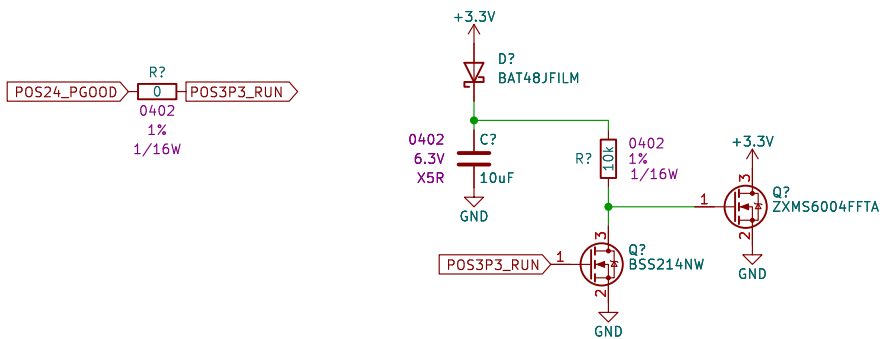
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Size: A Date: 2023-05-12
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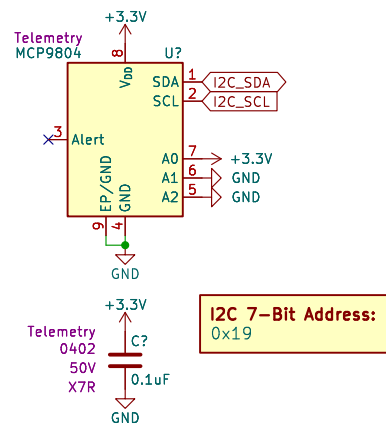
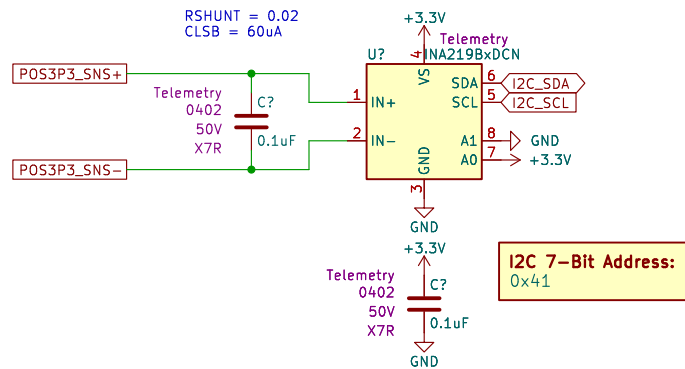
Rev: PRELIM
 Id: 2/21



Rev: PRELIM
Id: 3/21



Rev: PRELIM
Id: 4/21



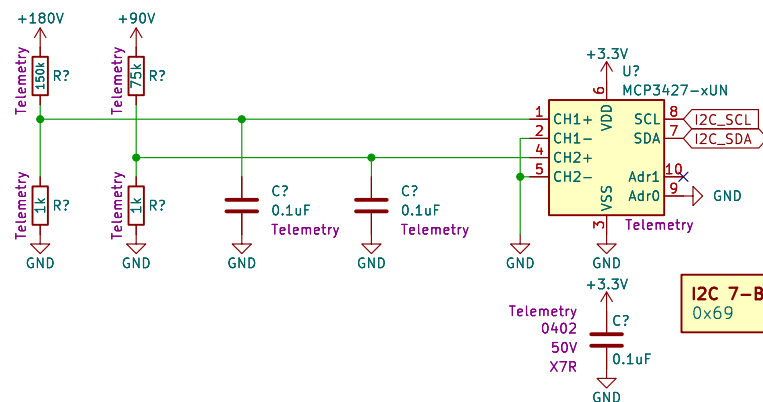
Drew Maatman

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File: pos3p3_telemetry.kicad_sch

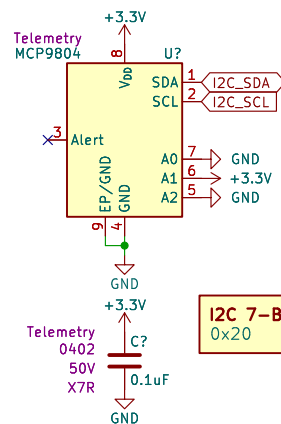
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Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

Rev: PRELIM
Id: 5/21



I2C 7-Bit Address:
0x69



I2C 7-Bit Address:
0x20

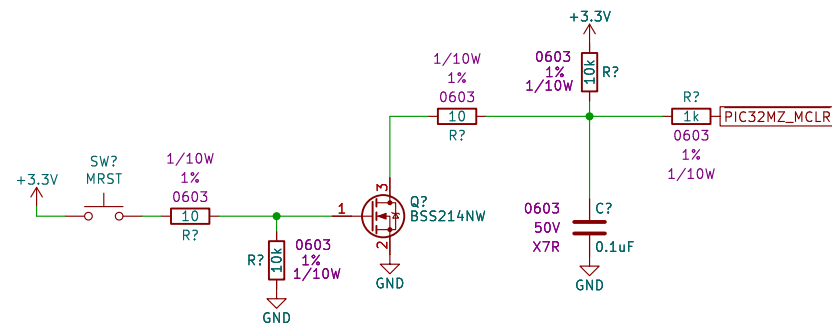
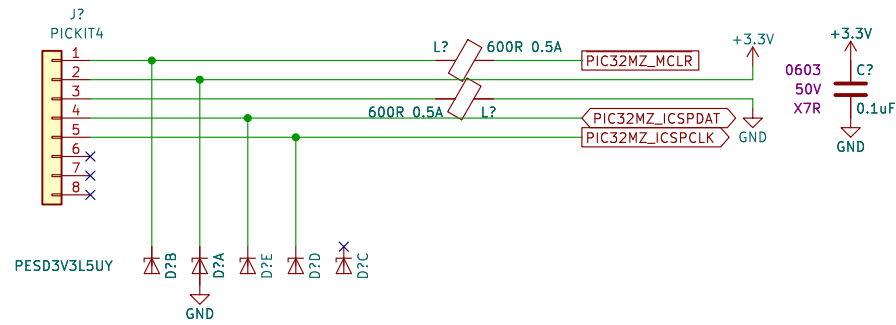
Drew Maatman

Sheet: /+180V Telemetry/
File: pos180_telemetry.kicad_sch

Title:

Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

Rev: PRELIM
Id: 7/21



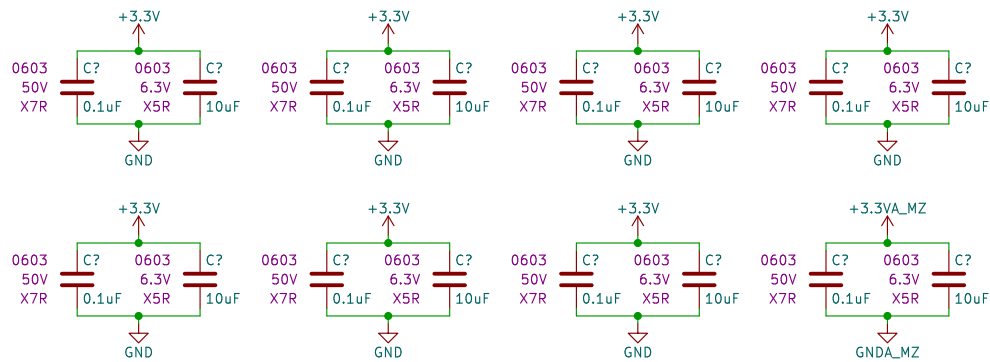
Drew Maatman

Sheet: /PIC32MZ Programming/
File: pis32mz_programming.kicad_sch

Title:

Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

Rev: PRELIM
Id: 8/21



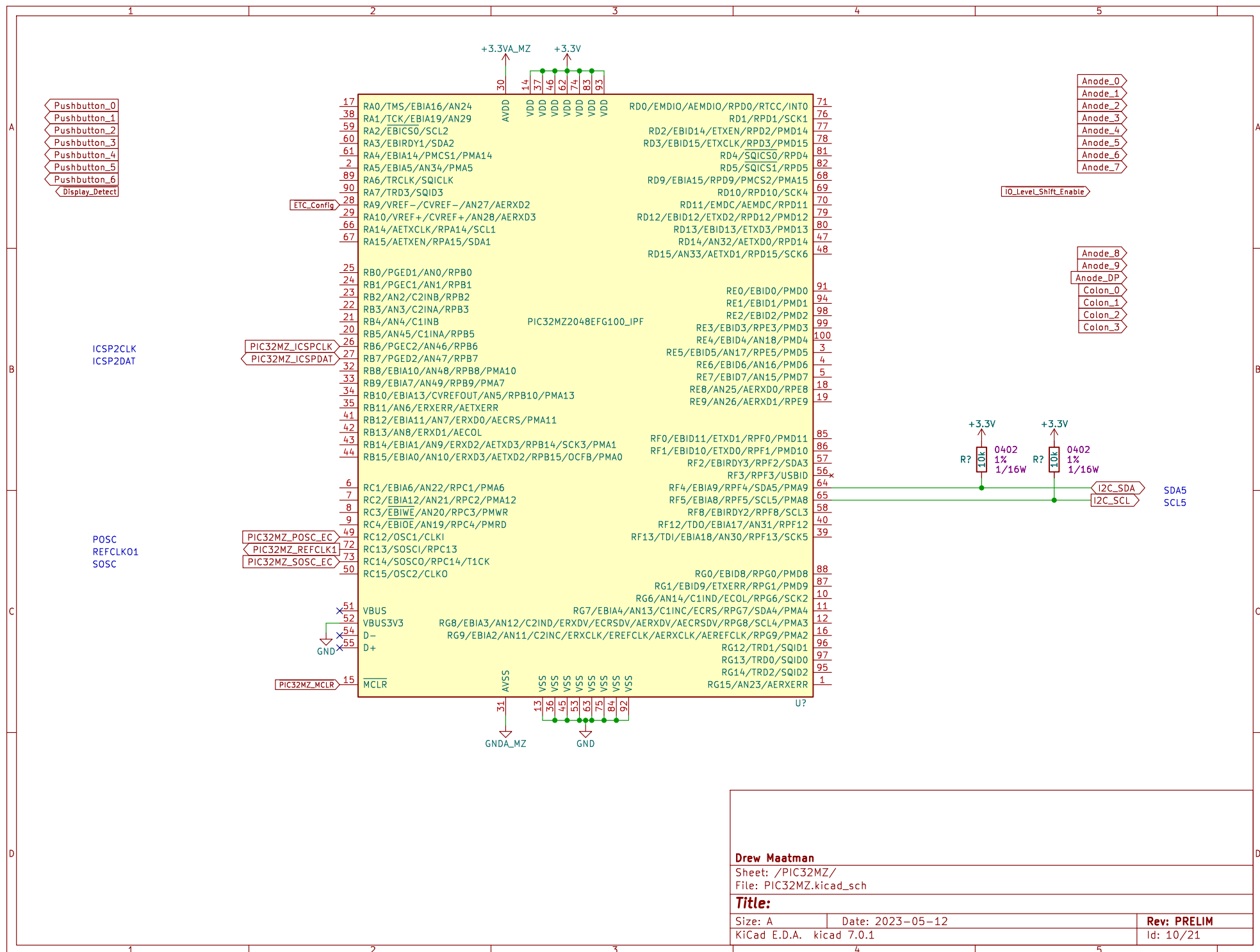
Drew Maatman

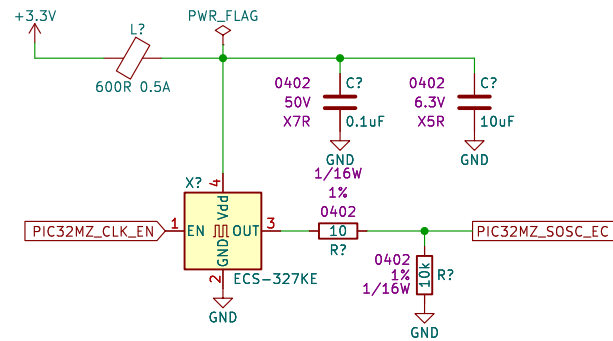
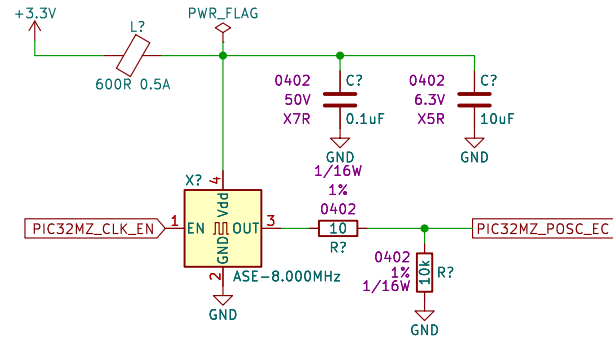
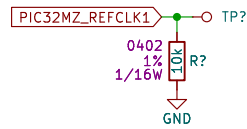
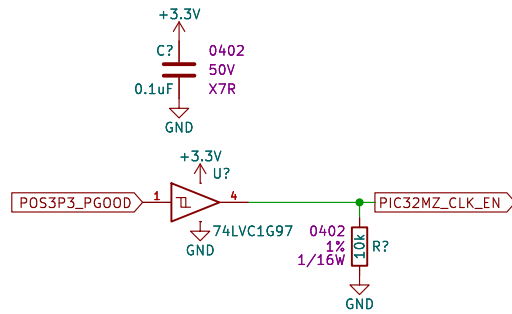
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File: PIC32MZ_Bypass.kicad_sch

Title:

Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

Rev: PRELIM
Id: 9/21





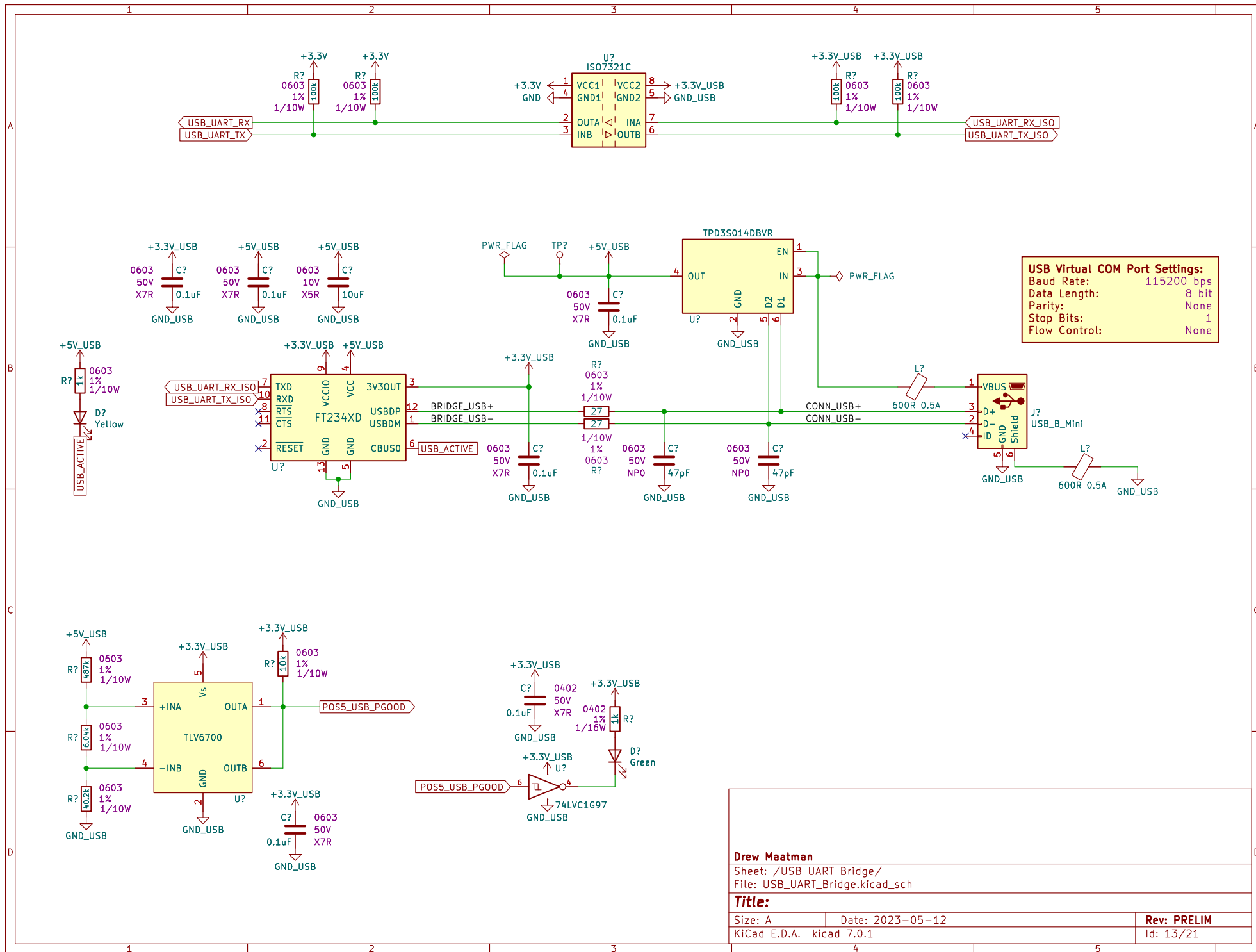
Drew Maatman

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Title:

Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

Rev: PRELIM
Id: 11/21



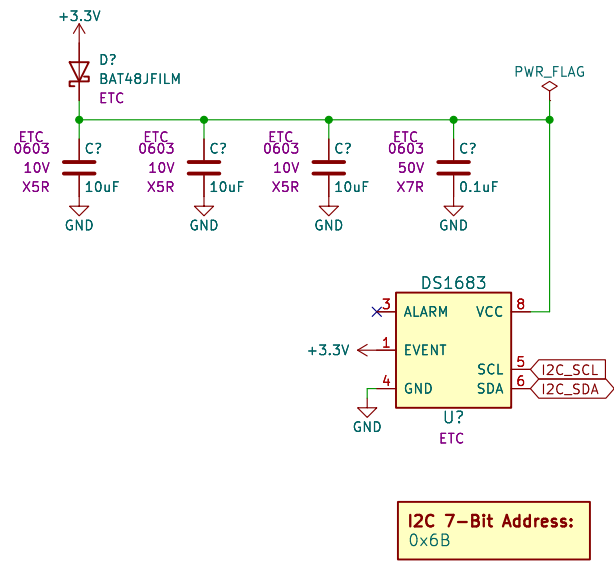
Drew Maatman

Sheet: /USB UART Bridge/
File: USB_UART_Bridge.kicad_sch

Title:

Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

Rev: PRELIM
Id: 13/21



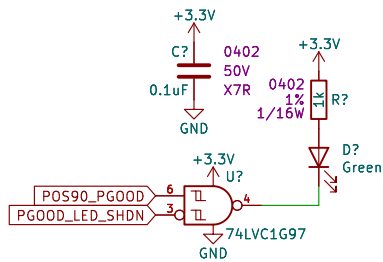
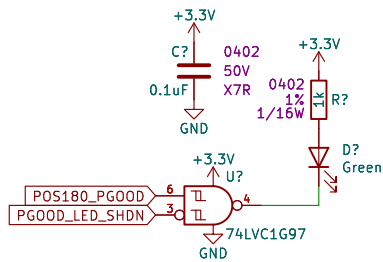
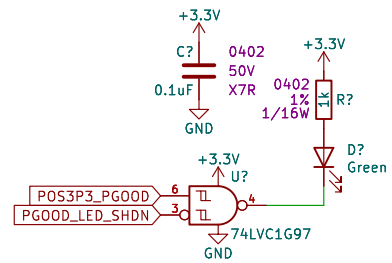
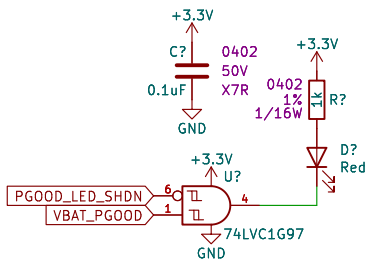
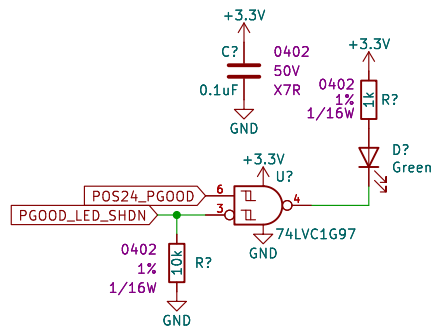
Drew Maatman

Sheet: /Platform ETC/
File: Platform_ETC.kicad_sch

Title:

Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

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Id: 15/21



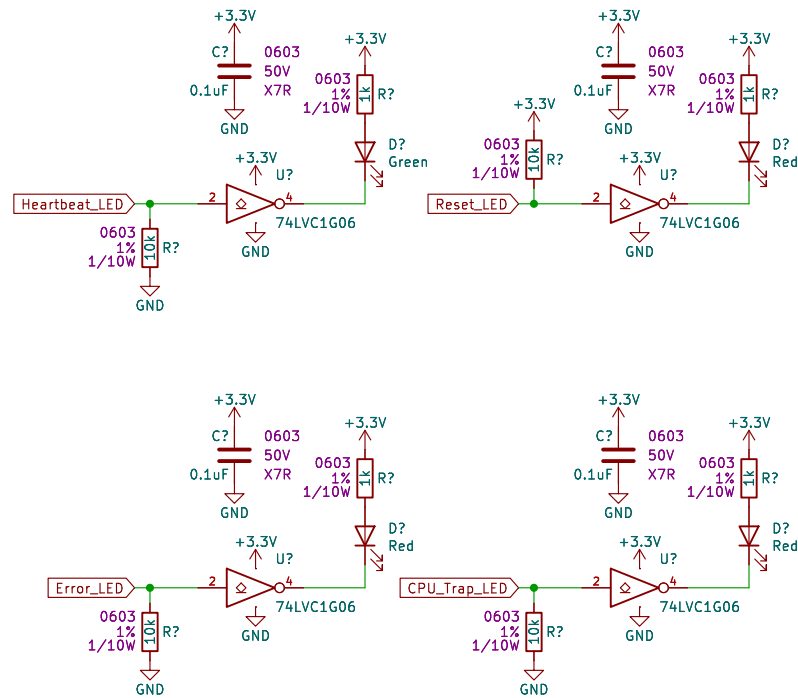
Drew Maatman

Sheet: /PGOOD LEDs/
File: PG00D_LEDs.kicad_sch

Title:

Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

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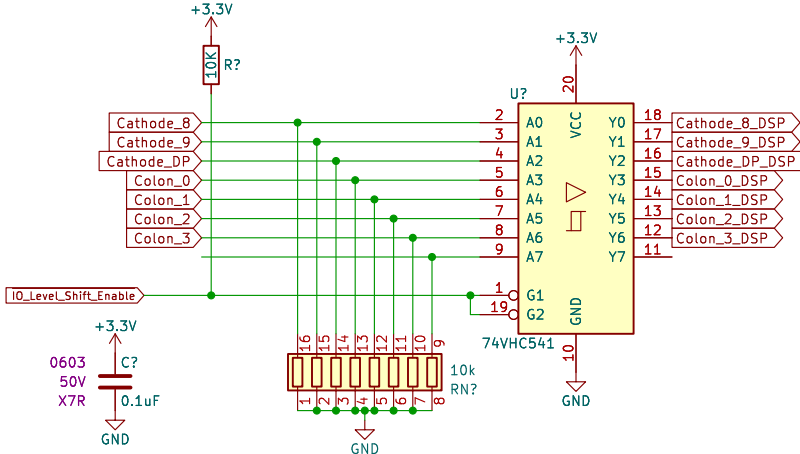
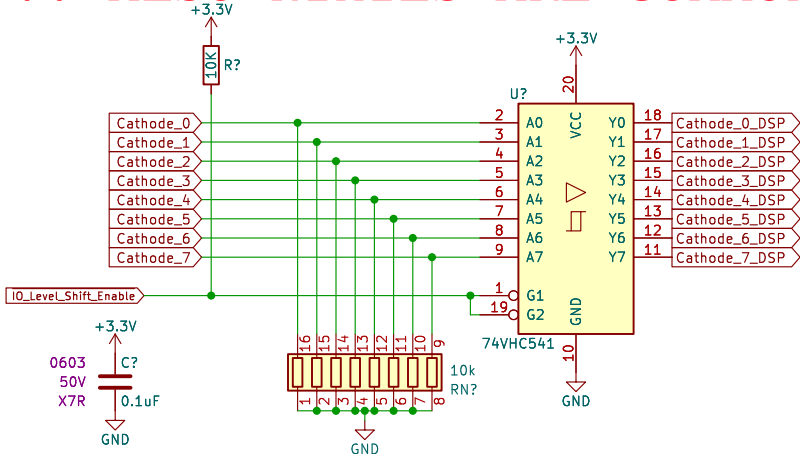
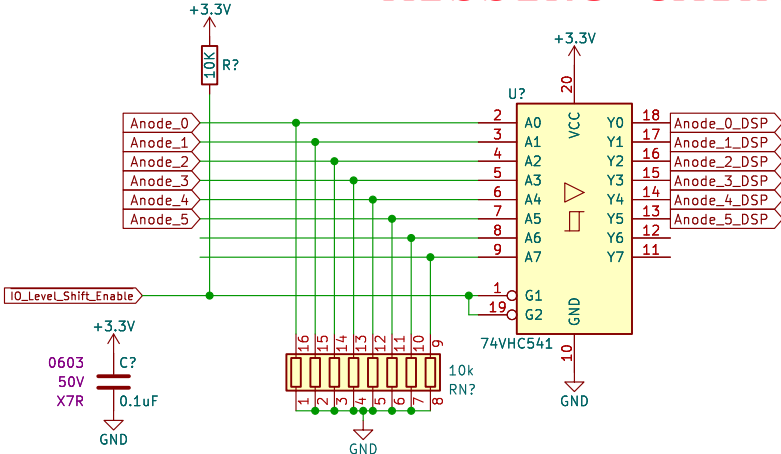
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File: Status_LEDs.kicad_sch

Title:

Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

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Id: 17/21

MISSING CATHODES... ALSO NIXIES ARE COMMON ANODE



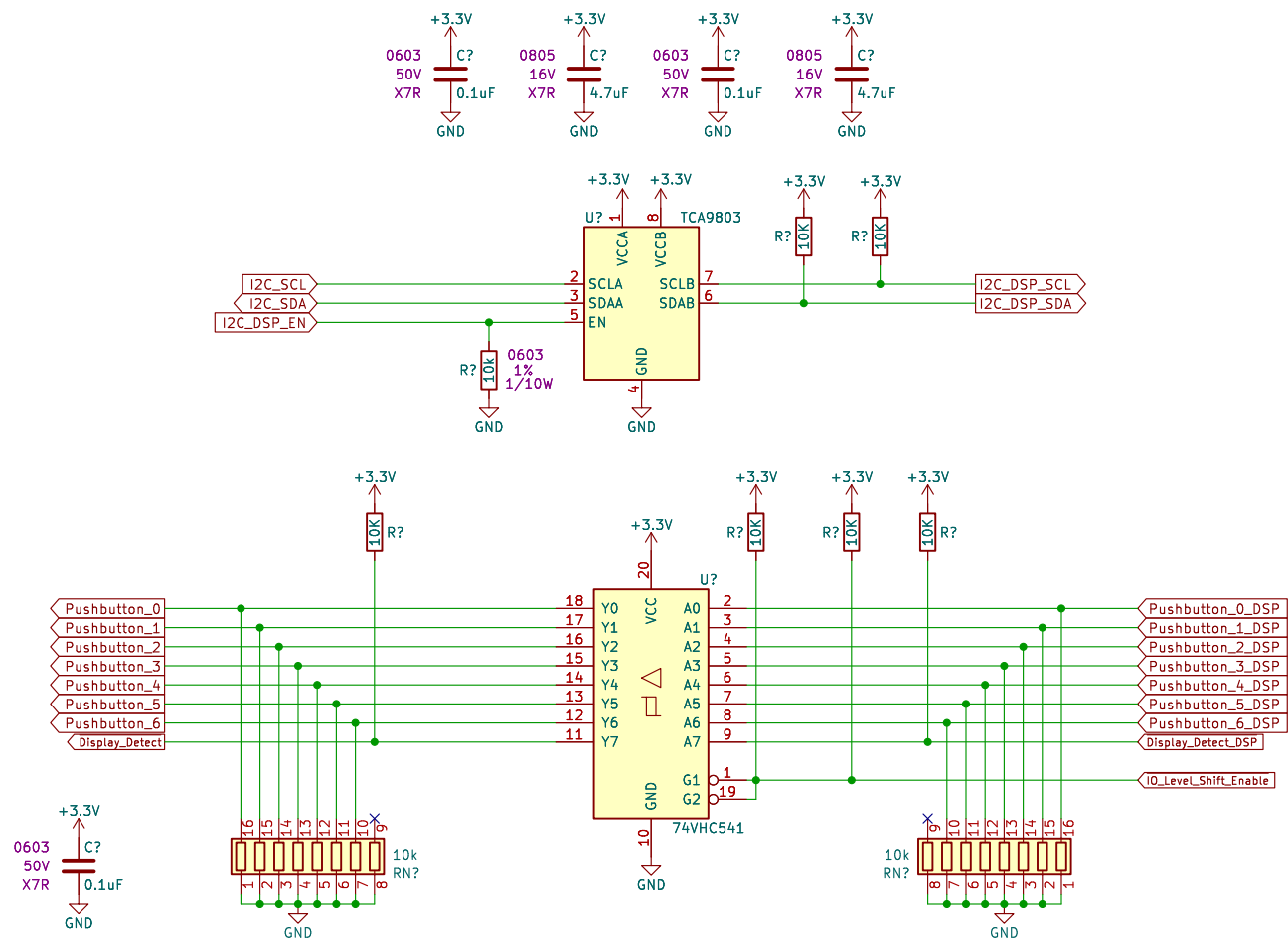
Drew Maatman

Sheet: /IO Buffers 1/
File: IO_Buffers_1.kicad_sch

Title:

Size: A	Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1	

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Sheet: /IO Buffers 2/
File: IO_Buffers_2.kicad_sch

Title:

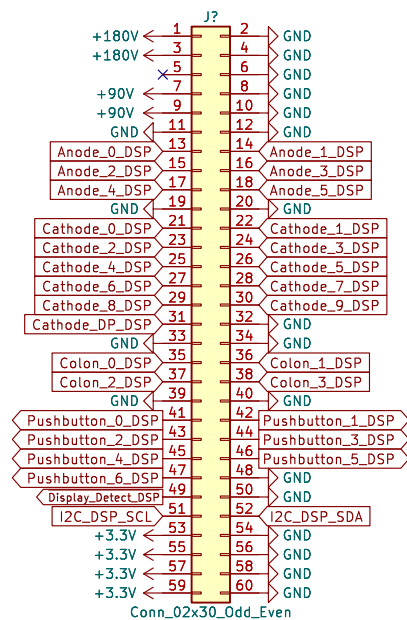
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KiCad E.D.A. kicad 7.0.1

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FIND A CONNECTOR THAT CAN HANDLE HIGH VOLTAGE
AND SIGNALLING THAT ISNT AWFUL

CONSIDER USING 0.1" SMT HEADERS

ADD BYPASS



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Sheet: /IO Connectors/
File: IO Connectors.kicad_sch

Title:

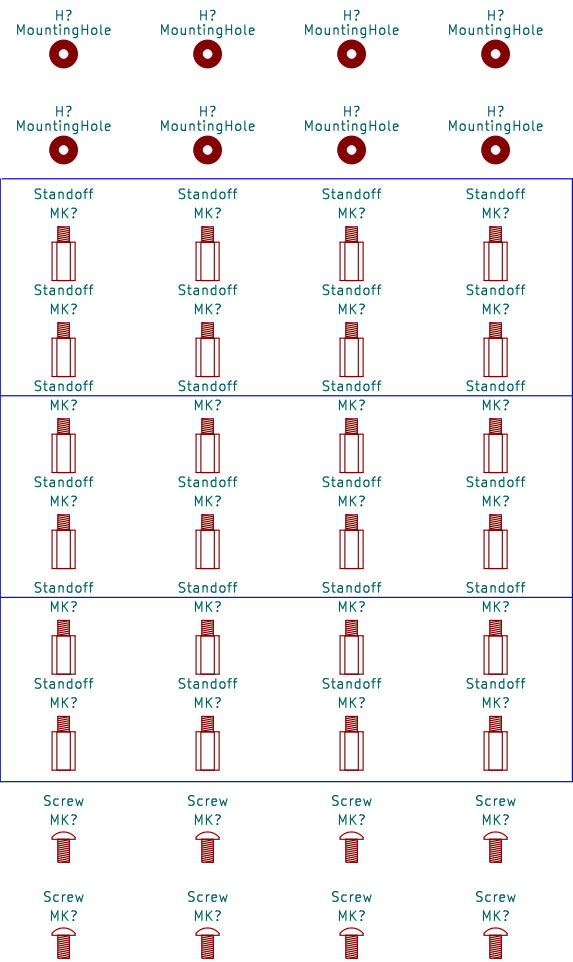
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ENSURE STACK IS CORRECT HEIGHT



Drew Maatman

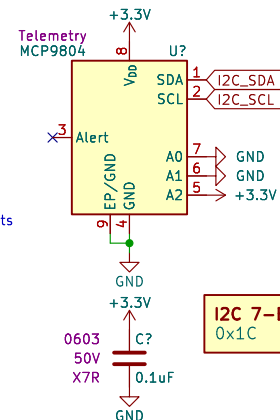
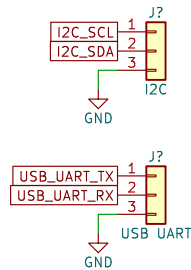
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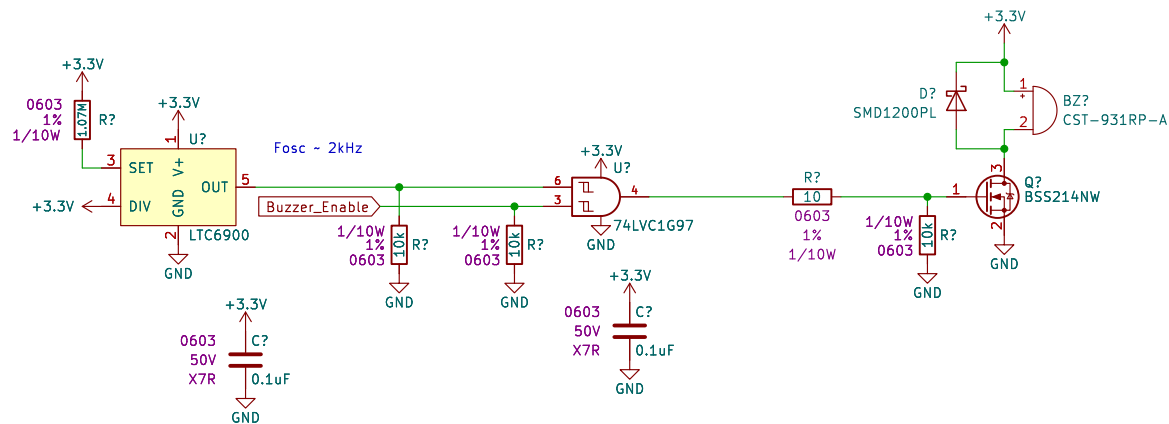
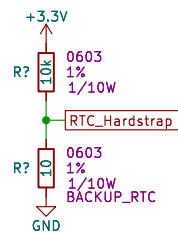
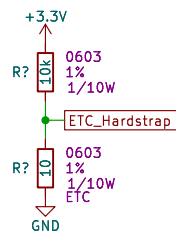
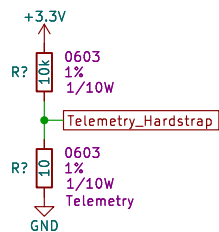
Size: A Date: 2023-05-12
KiCad E.D.A. kicad 7.0.1

Rev: PRELIM
Id: 21/21

ADD MORE HARDSTRAPS



Place away from power components



Sheet: /Misc Circuits/
File: Misc_Circuits.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 7.0.1

Rev:

Id: 22/21