

Nixie Clock REDUX

Power Input



File: power_input.kicad_sch

Power Input Telemetry



File: power_input_telemetry.kicad_sch

+3.3V Power Supply



File: pos3p3_power_supply.kicad_sch

+3.3V Telemetry



File: pos3p3_telemetry.kicad_sch

+180V Power Supply



File: pos180_power_supply.kicad_sch

+180V Telemetry



File: pos180_telemetry.kicad_sch

PIC32MZ Programming



File: pis32mz_programming.kicad_sch

PIC32MZ Bypass



File: PIC32MZ_Bypass.kicad_sch

PIC32MZ



File: PIC32MZ.kicad_sch

PIC32MZ Clocking



File: PIC32MZ_Clocking.kicad_sch

Backup RTC



File: Backup_RTC.kicad_sch

USB UART Bridge



File: USB_UART_Bridge.kicad_sch

Platform ETC



File: Platform_ETC.kicad_sch

PGOOD LEDs



File: PGOOD_LEDs.kicad_sch

Status LEDs



File: Status_LEDs.kicad_sch

IO Buffers 1



File: IO_Buffers_1.kicad_sch

IO Buffers 2



File: IO_Buffers_2.kicad_sch

IO Connectors



File: IO_Connectors.kicad_sch

Misc Circuits



File: Misc_Circuits.kicad_sch

Mechanical



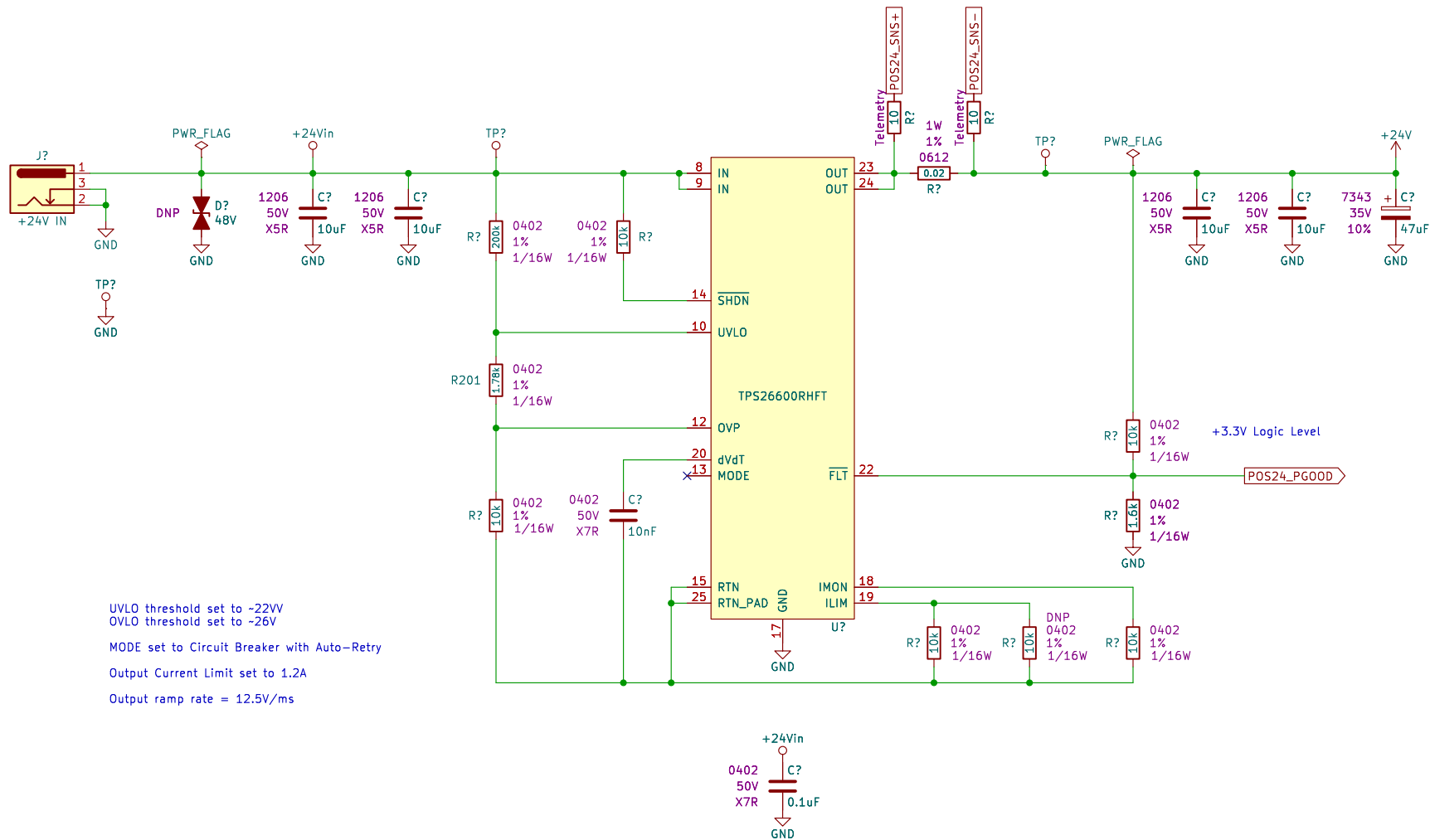
File: Mechanical.kicad_sch

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Sheet: /
File: Nixie_Clock_Core.kicad_sch

Title:

Size: A	Date: 2023-05-12	Rev: PRELIM
KiCad E.D.A. kicad 7.0.1		Id: 1/21



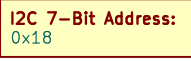
Drew Maatman

Sheet: /Power Input/
 File: power_input.kicad_sch

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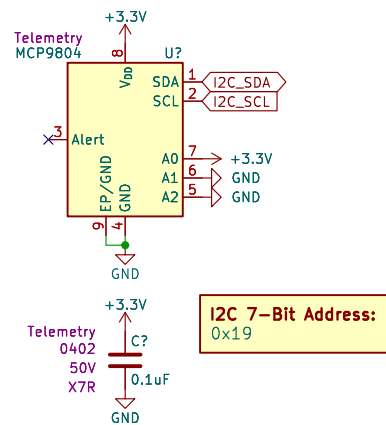
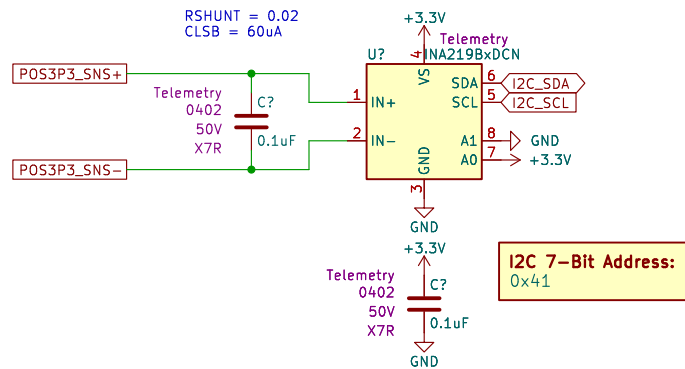
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Rev: PRELIM
Id: 3/21

Rev: PRELIM
Id: 4/21



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Sheet: /+3.3V Telemetry/
File: pos3p3_telemetry.kicad_sch

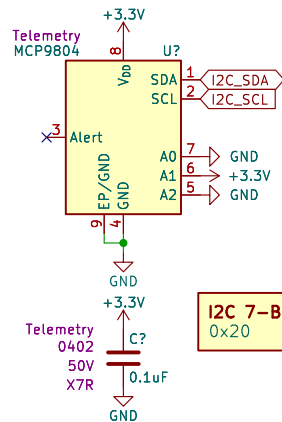
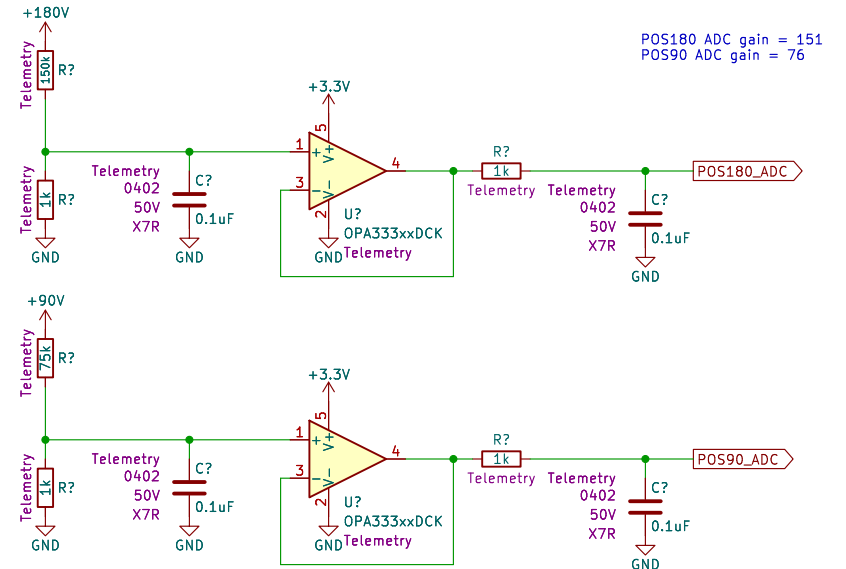
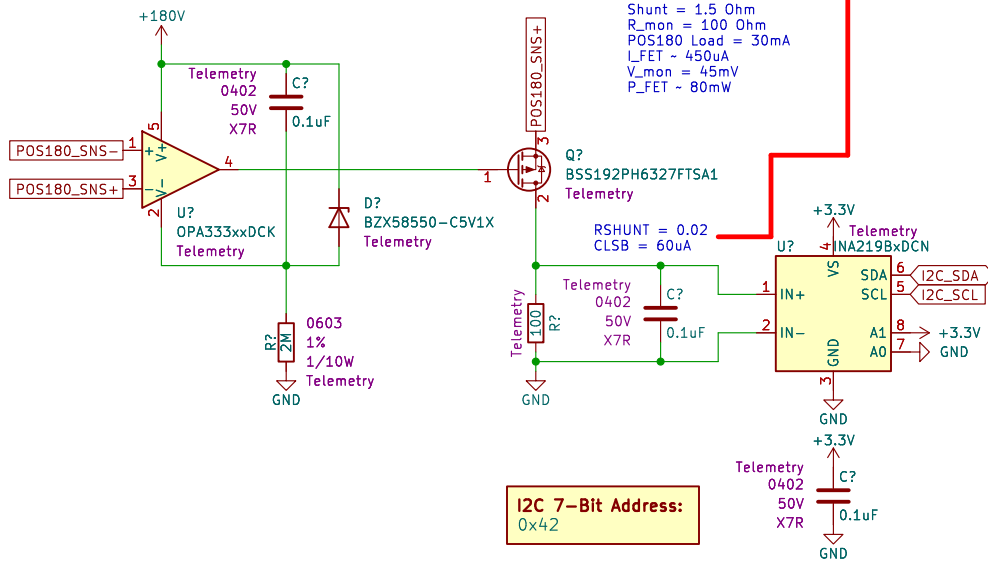
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Size: A Date: 2023-05-12
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Id: 5/21

INA219 SCALING NOTES WRONG, RSHUNT = 1.50hm

From TIDU849



I2C 7-Bit Address:
 0x20

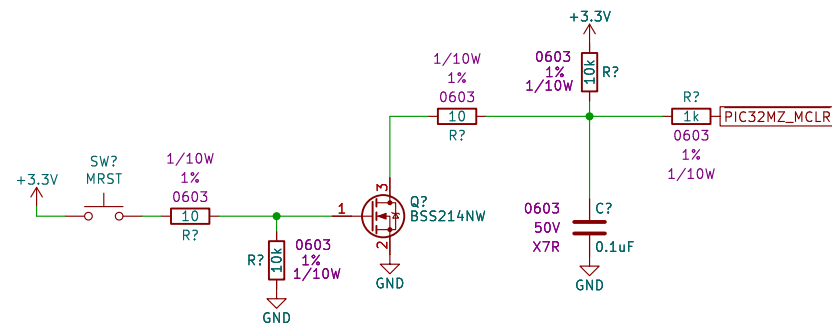
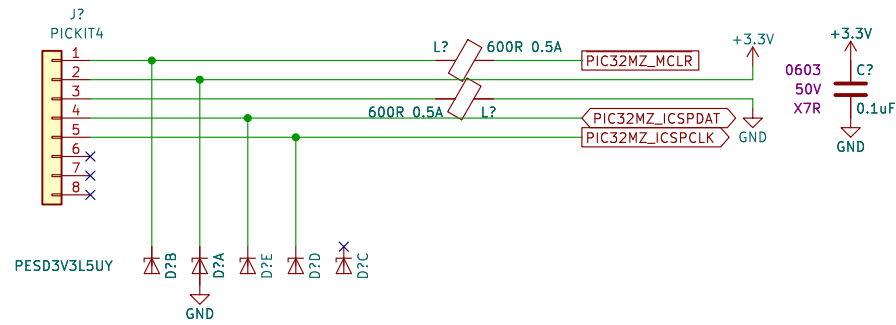
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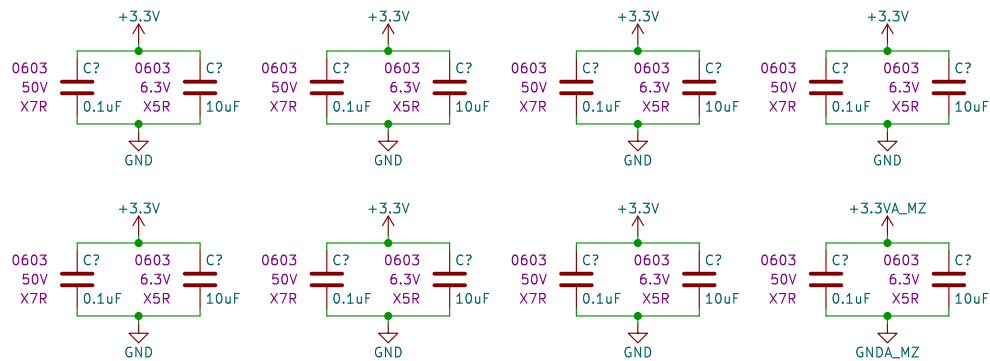
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Size: A Date: 2023-05-12
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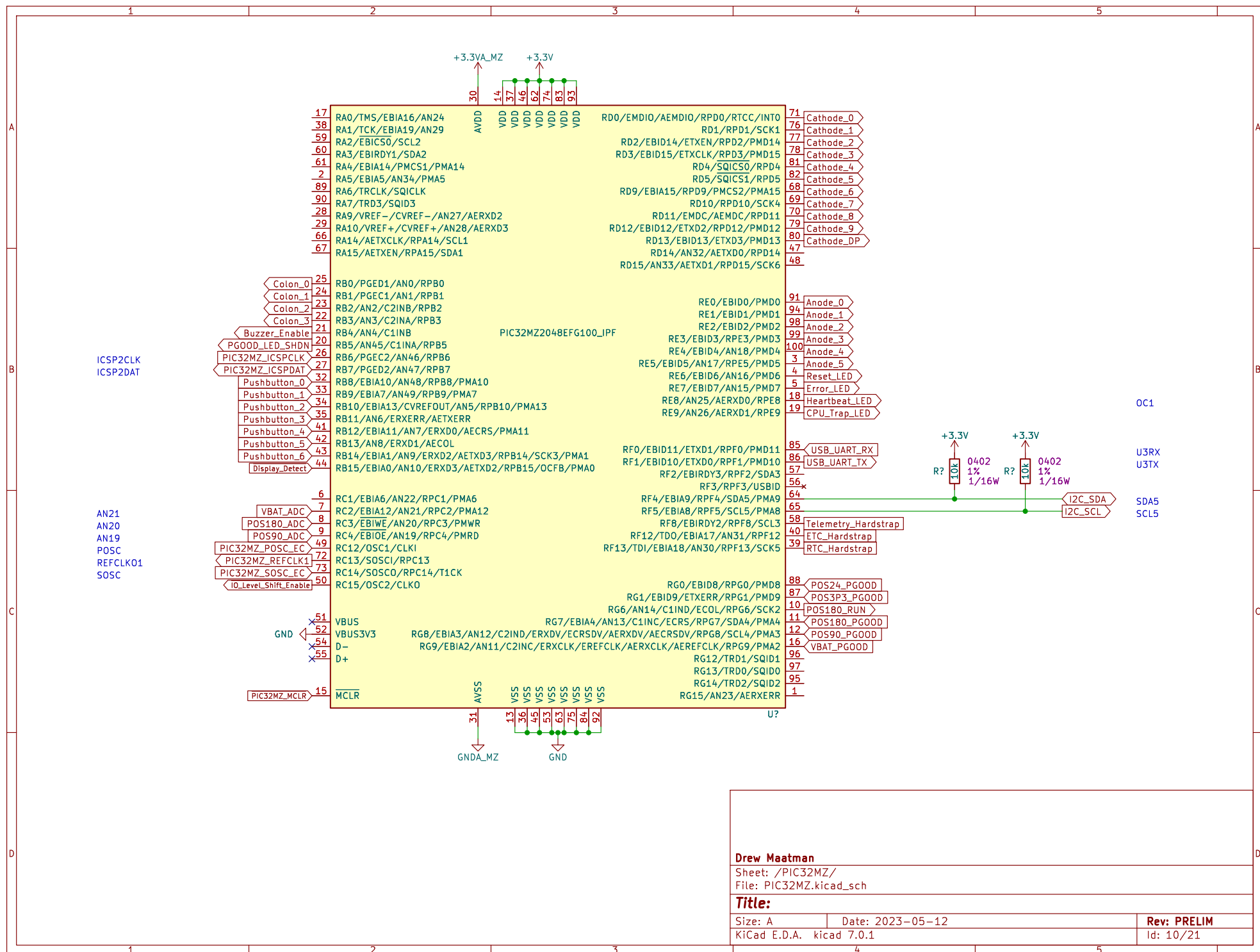
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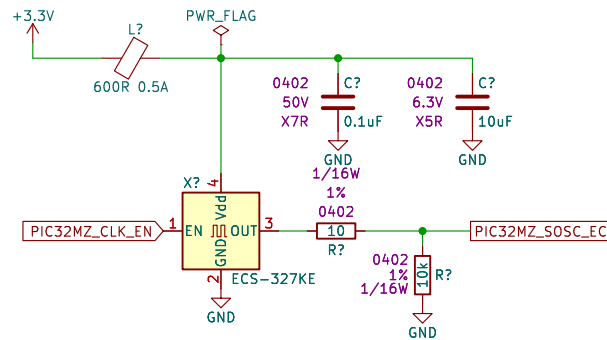
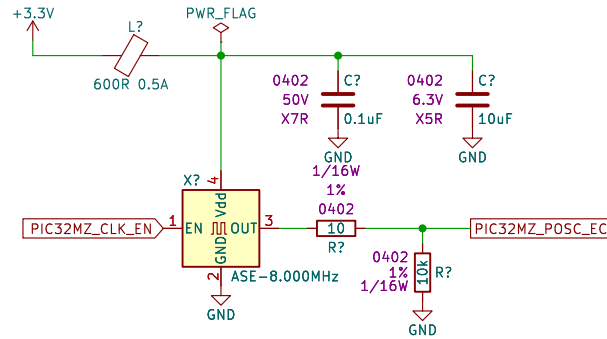
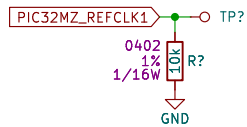
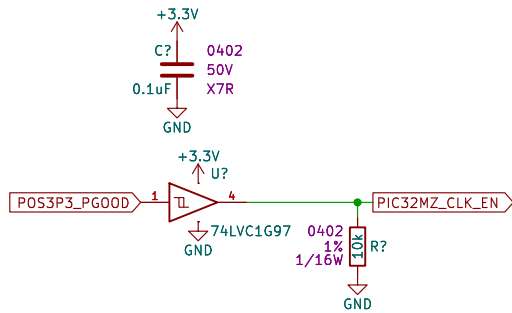
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Rev: PRELIM
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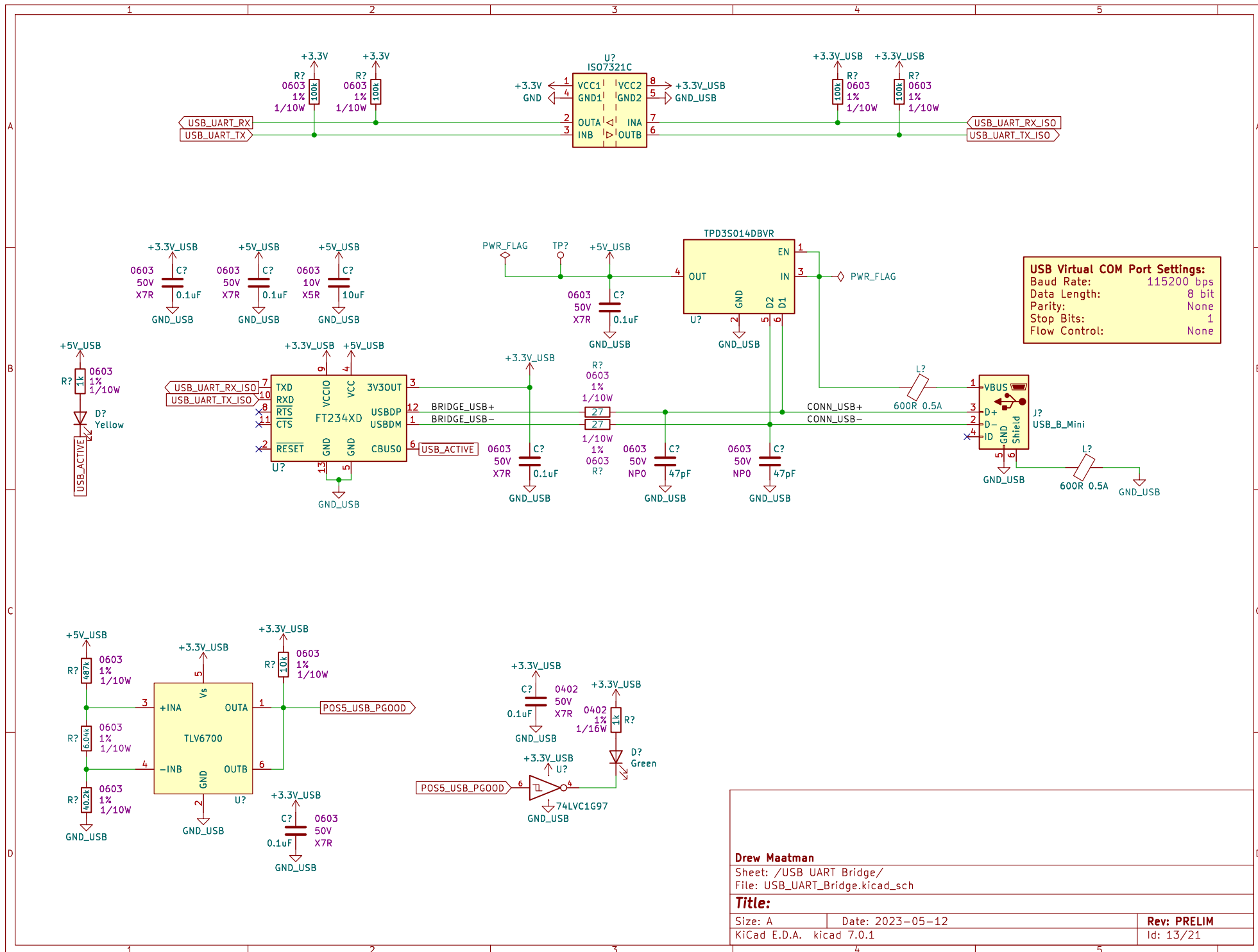
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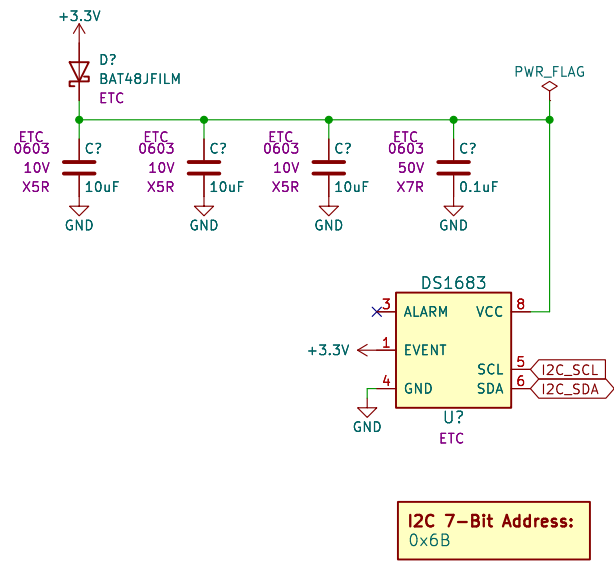
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Rev: PRELIM
Id: 11/21





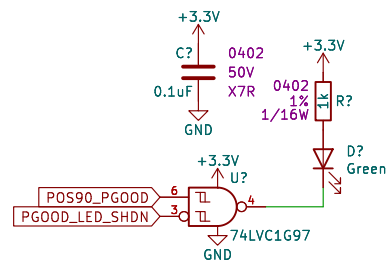
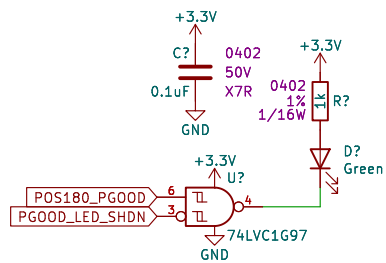
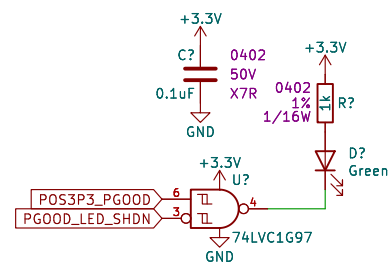
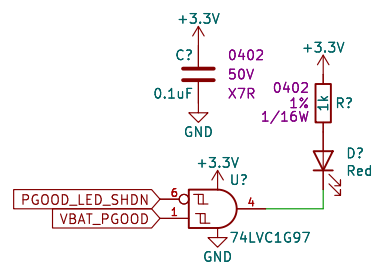
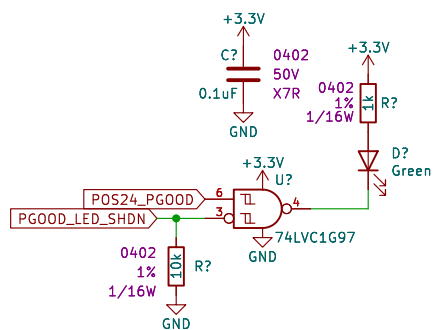
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Sheet: /Platform ETC/
File: Platform_ETC.kicad_sch

Title:

Size: A Date: 2023-05-12
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Id: 15/21



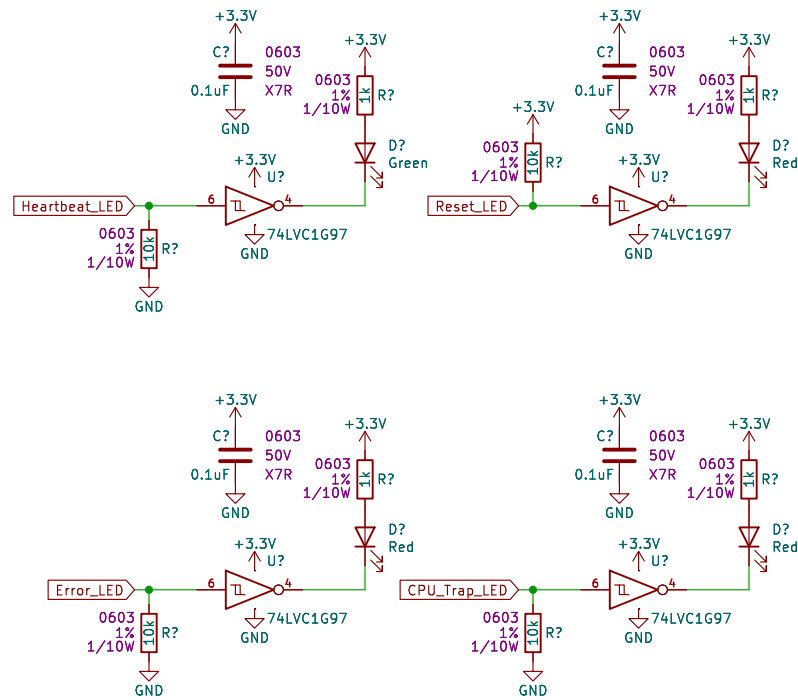
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Sheet: /PGOOD LEDs/
File: PG00D_LEDs.kicad_sch

Title:

Size: A Date: 2023-05-12
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Rev: PRELIM
Id: 16/21



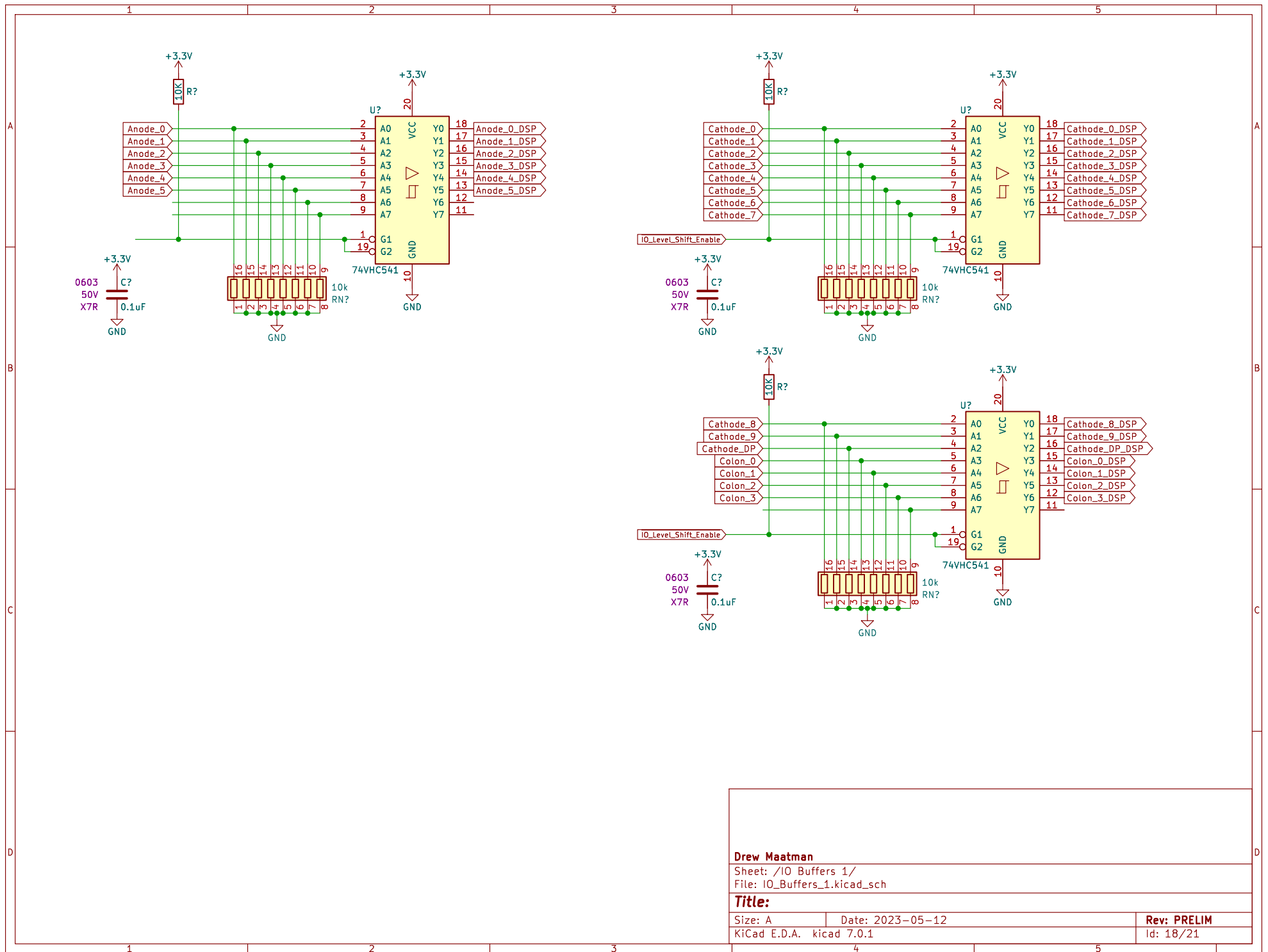
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Sheet: /Status LEDs/
File: Status_LEDs.kicad_sch

Title:

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

Rev: PRELIM
Id: 17/21



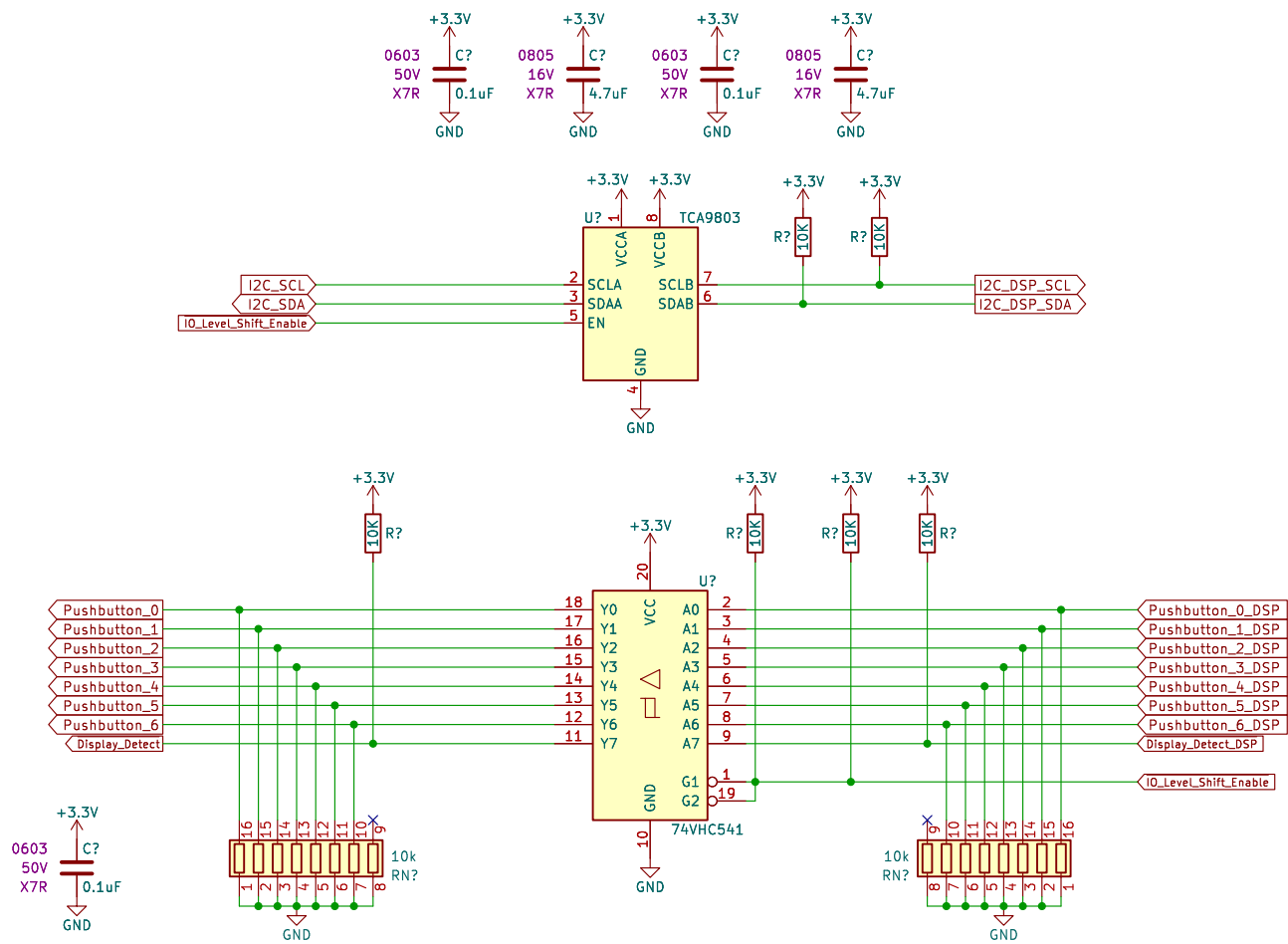
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Sheet: /IO Buffers 1/
File: IO_Buffers_1.kicad_sch

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

Rev: PRELIM
Id: 18/21



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

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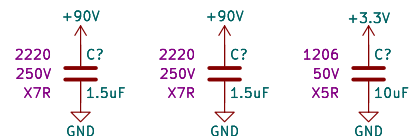
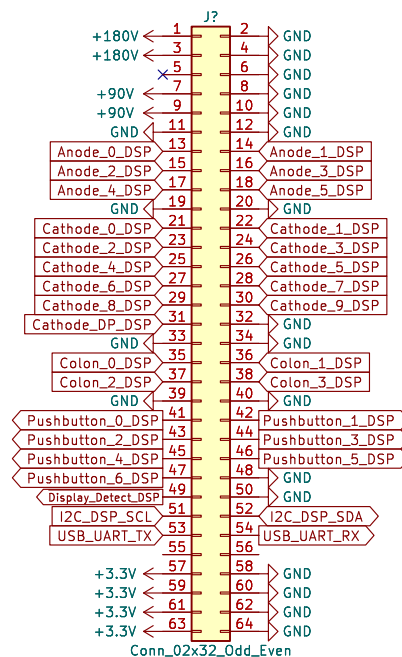
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KiCad E.D.A. kicad 7.0.1

Rev: PRELIM
Id: 19/21

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:

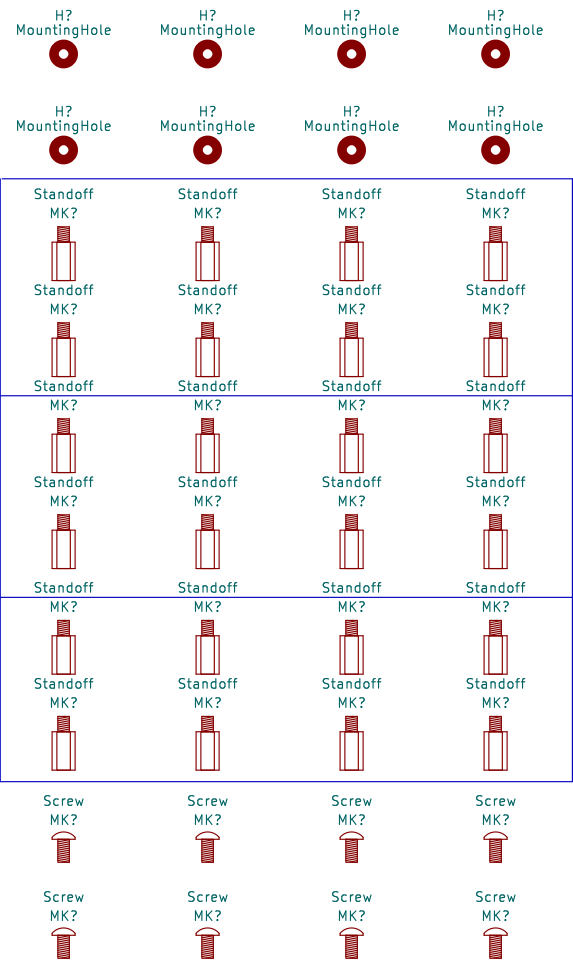
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Rev: PRELIM

Id: 20/21

ENSURE STACK IS CORRECT HEIGHT



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Sheet: /Mechanical/		
File: Mechanical.kicad_sch		
Title:		
Size: A	Date: 2023-05-12	Rev: PRELIM
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