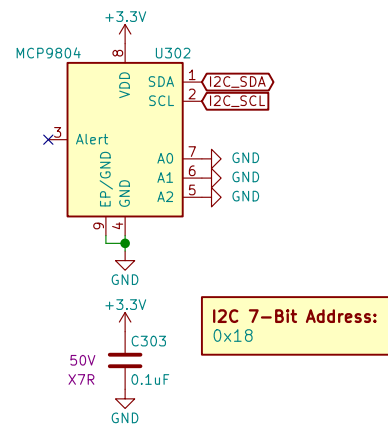
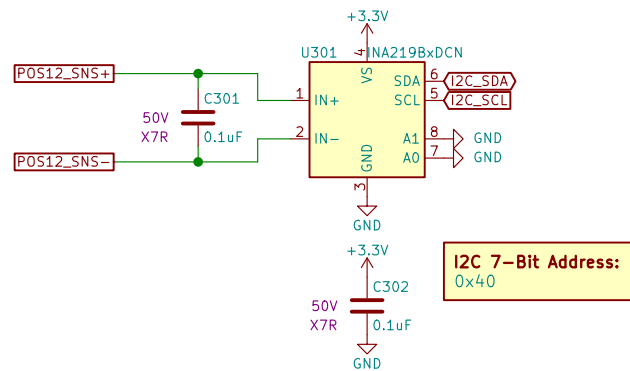


	1	2	3	4	5							
A		Sheet: +12V Input File: POS12_Input.sch Sheet: +12V Telemetry File: POS12_Telemetry.sch Sheet: +3.3V Power Supply File: POS3P3_Power_Supply.sch Sheet: +3.3V Telemetry File: POS3P3_Telemetry.sch Sheet: +1.8V Power Supply File: POS1P8_Power_Supply.sch Sheet: +1.8V Telemetry File: POS1P8_Telemetry.sch Sheet: PIC32MZ Programming File: PIC32MZ_Programming.sch Sheet: PIC32MZ Bypass File: PIC32MZ_Bypass.sch Sheet: PIC32MZ Clocking File: PIC32MZ_Clocking.sch Sheet: PIC32MZ File: PIC32MZ.sch Sheet: USB UART Bridge File: USB_UART_Bridge.sch Sheet: USB Telemetry File: USB_Telemetry.sch Sheet: Time of Flight File: Time_of_Flight.sch Sheet: POX Sensor File: POX_Sensor.sch Sheet: Display File: Display.sch Sheet: Pushbuttons File: Pushbuttons.sch		Sheet: PG00D LEDs File: PG00D_LEDs.sch Sheet: Status LEDs File: Status_LEDs.sch Sheet: Misc Circuits File: Misc_Circuits.sch Sheet: Mechanical File: Mechanical.sch			A					
B						B						
C						C						
D					<div>Drew Maatman Sheet: / File: Pulse_Oximeter.sch Title: Pulse Oximeter <table><tr><td>Size: A</td><td>Date: 2019-01-03</td><td>Rev: A</td></tr><tr><td colspan="2">KiCad E.D.A. kicad (5.1.4)-1</td><td>Id: 1/21</td></tr></table></div>	Size: A	Date: 2019-01-03	Rev: A	KiCad E.D.A. kicad (5.1.4)-1		Id: 1/21	D
Size: A	Date: 2019-01-03	Rev: A										
KiCad E.D.A. kicad (5.1.4)-1		Id: 1/21										
	1	2	3	4	5							

Rev: A
Id: 2/21



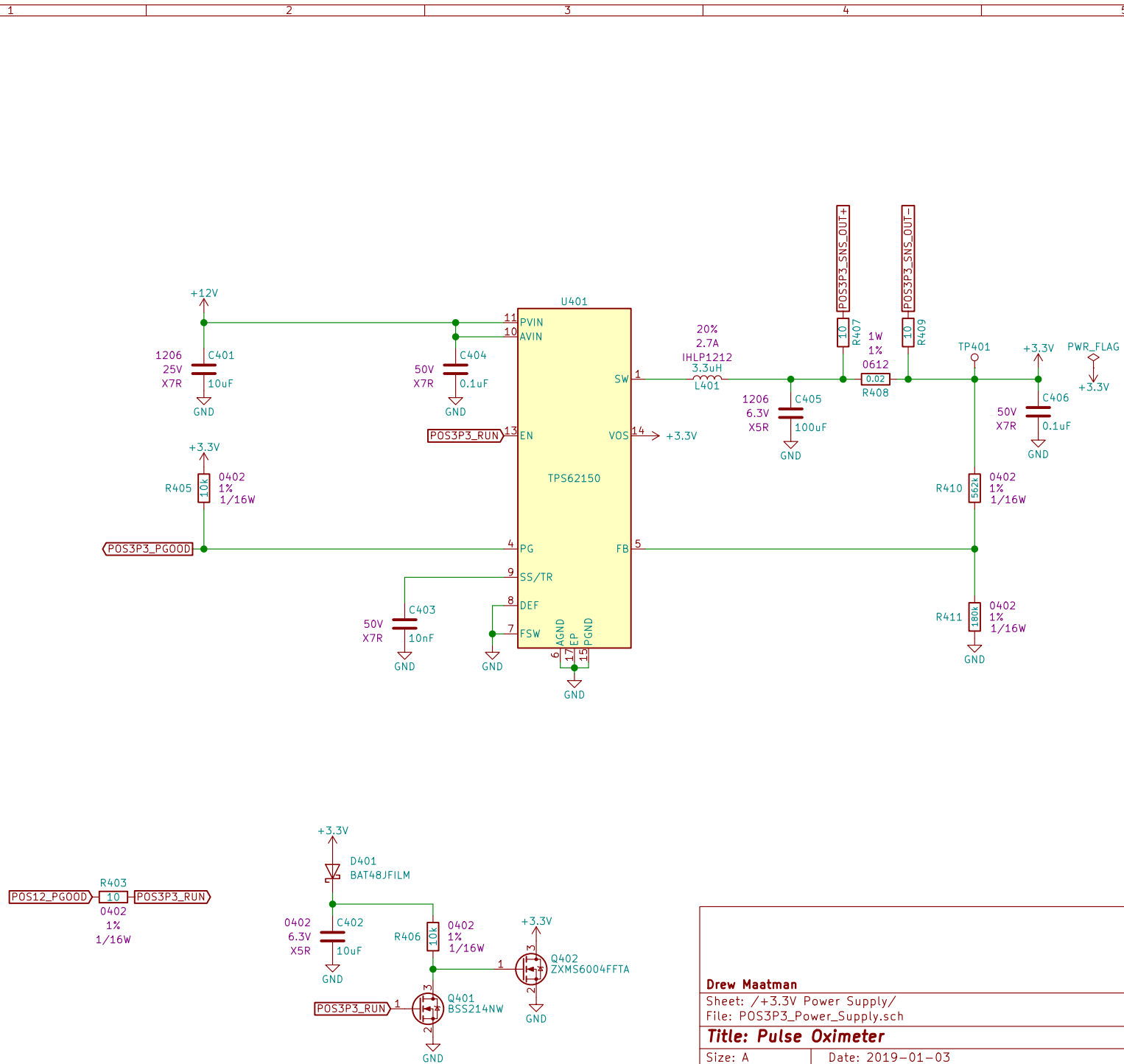
Drew Maatman

Sheet: /+12V Telemetry/
File: POS12_Telemetry.sch

Title: Pulse Oximeter

Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 3/21



Drew Maatman

Sheet: /+3.3V Power Supply/
File: POS3P3_Power_Supply.sch

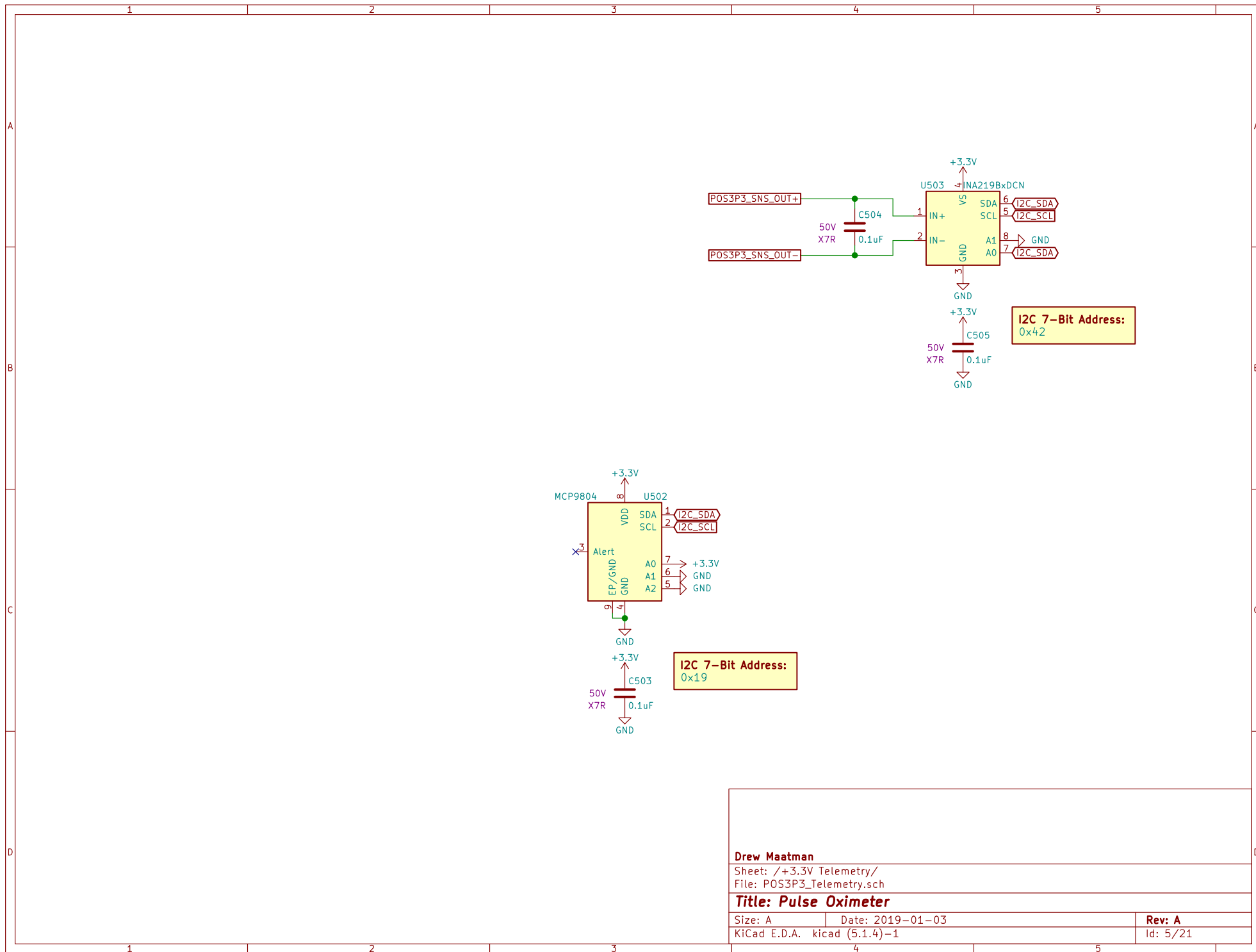
Title: Pulse Oximeter

Size: A Date: 2019-01-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 4/21



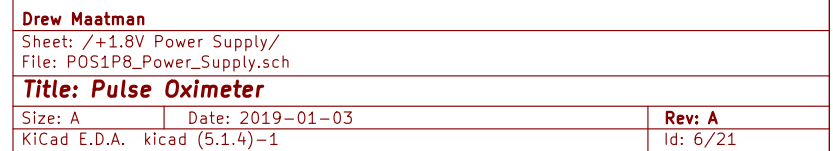
Drew Maatman

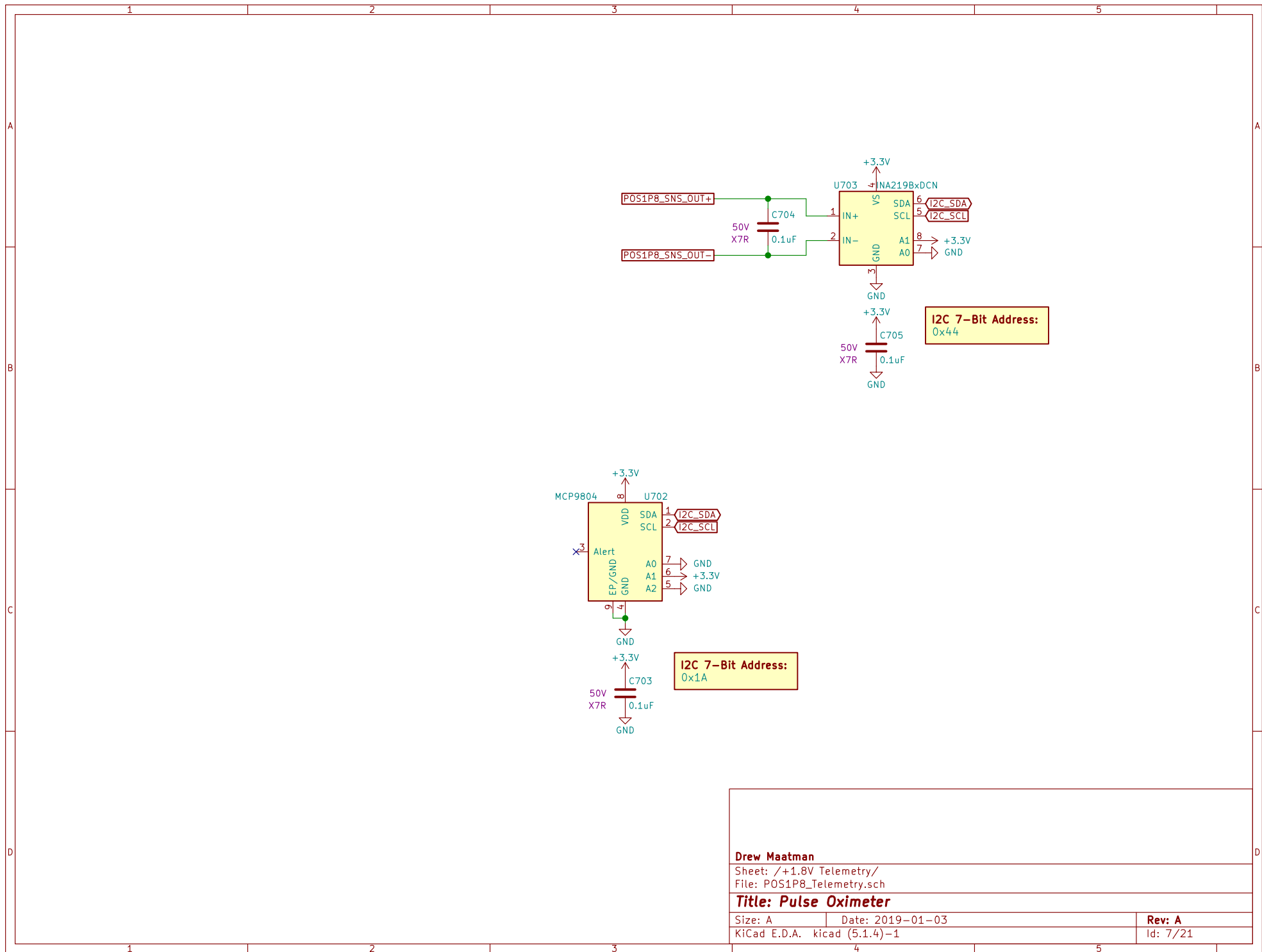
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File: POS3P3_Telemetry.sch

Title: Pulse Oximeter

Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 5/21





Drew Maatman

Sheet: /+1.8V Telemetry/
File: POS1P8_Telemetry.sch

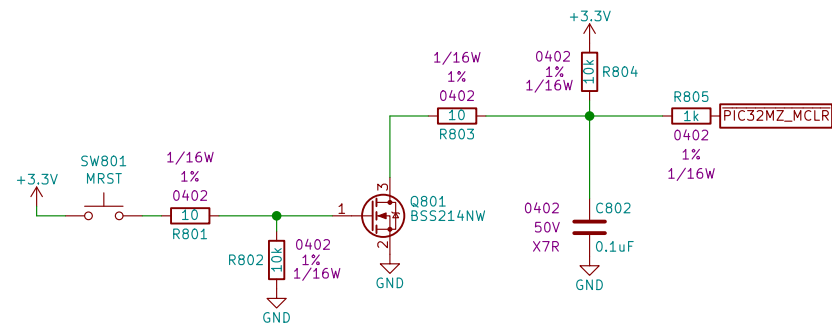
Title: Pulse Oximeter

Size: A Date: 2019-01-03

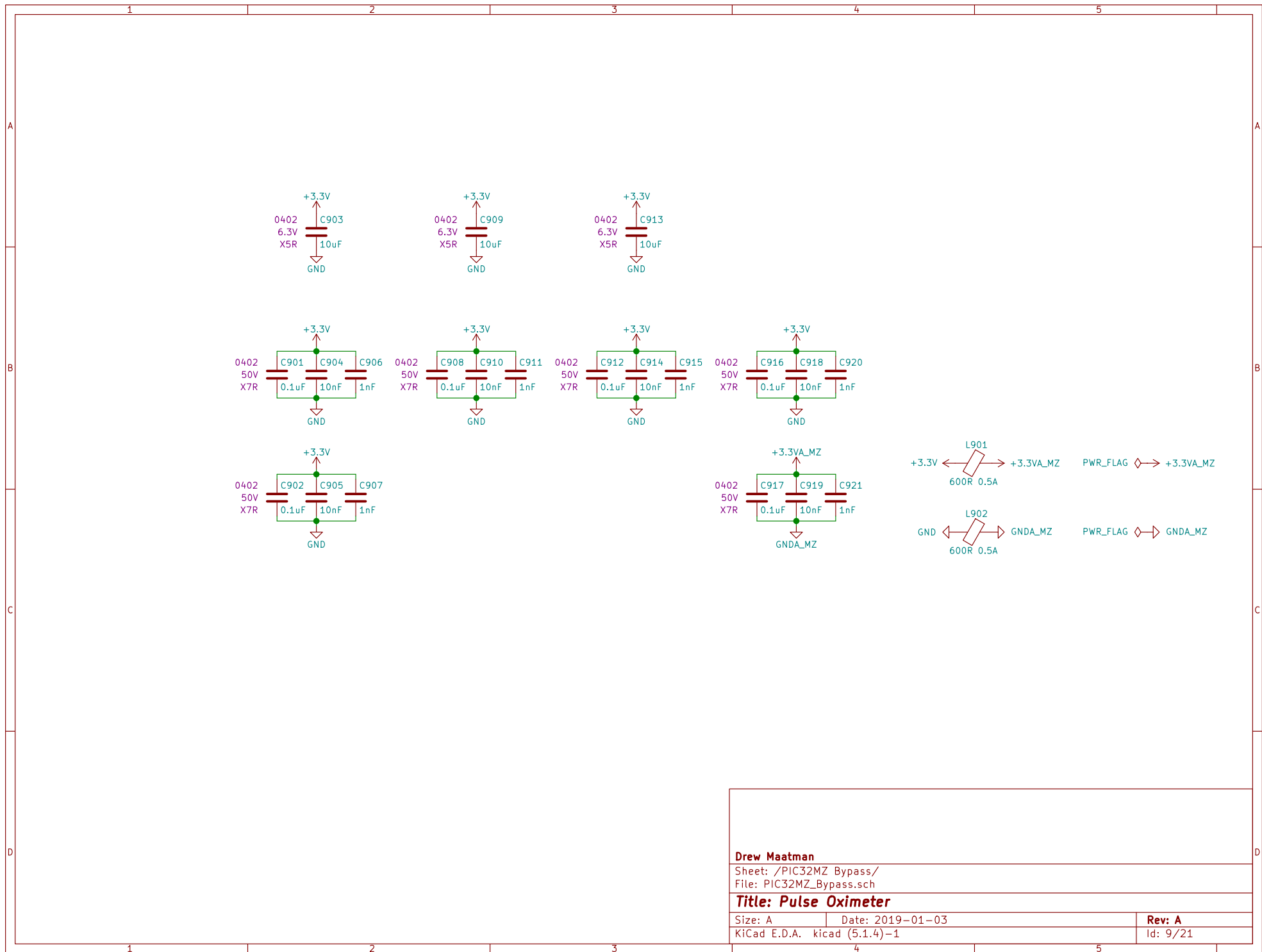
KiCad E.D.A. kicad (5.1.4)-1

Rev: A

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Rev: A
Id: 8/21



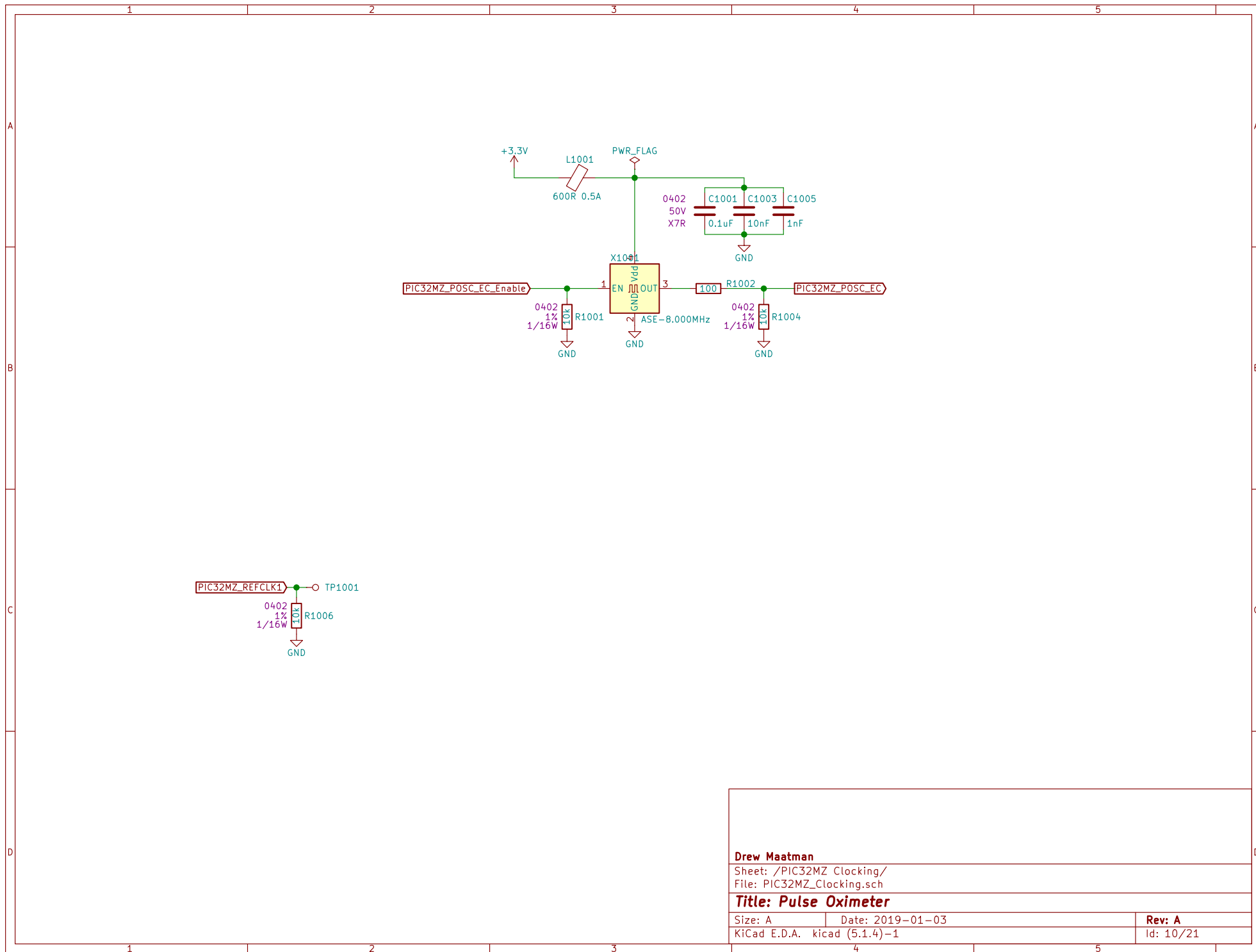
Drew Maatman

Sheet: /PIC32MZ Bypass/
File: PIC32MZ_Bypass.sch

Title: Pulse Oximeter

Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 9/21



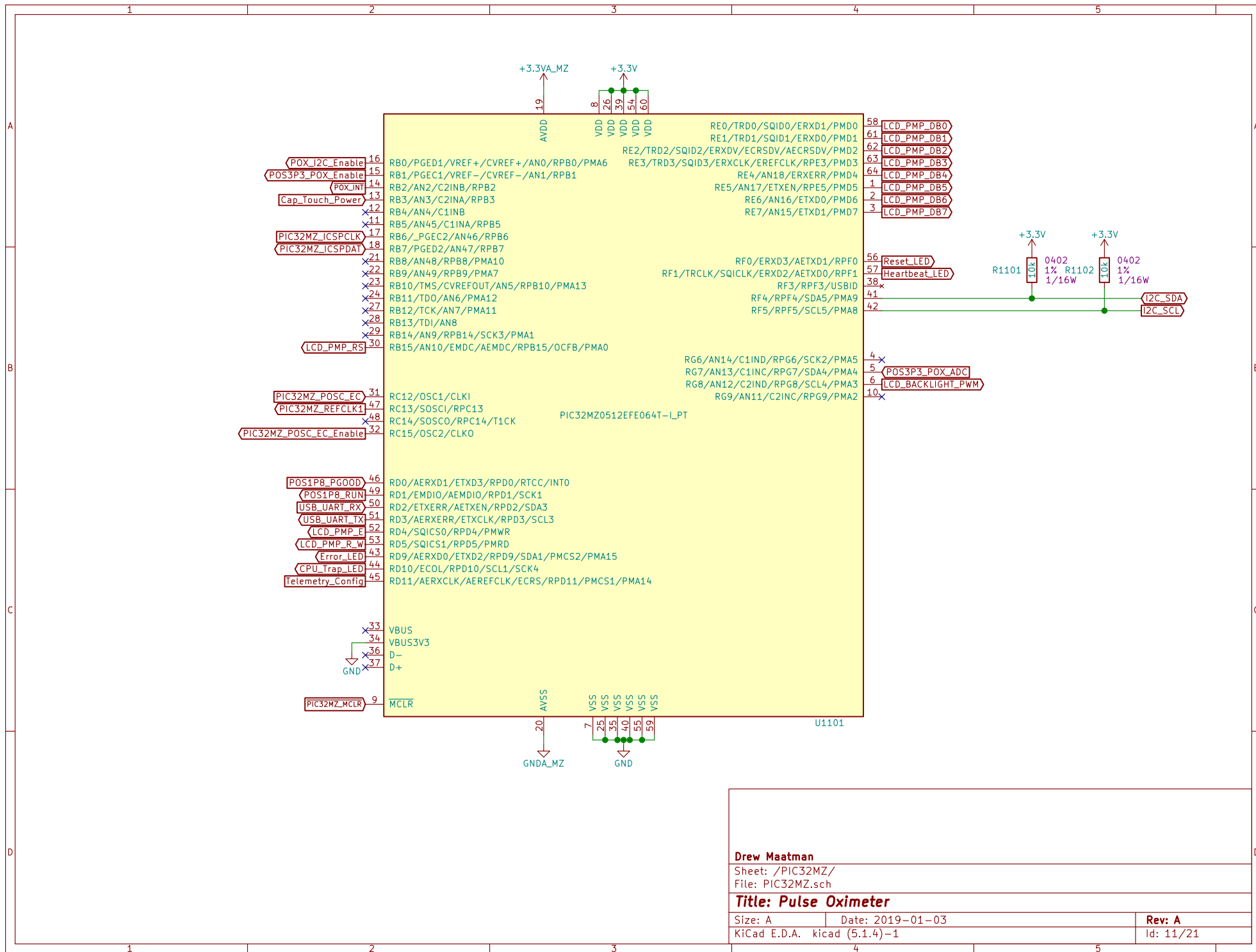
Drew Maatman

Sheet: /PIC32MZ Clocking/
File: PIC32MZ_Clocking.sch

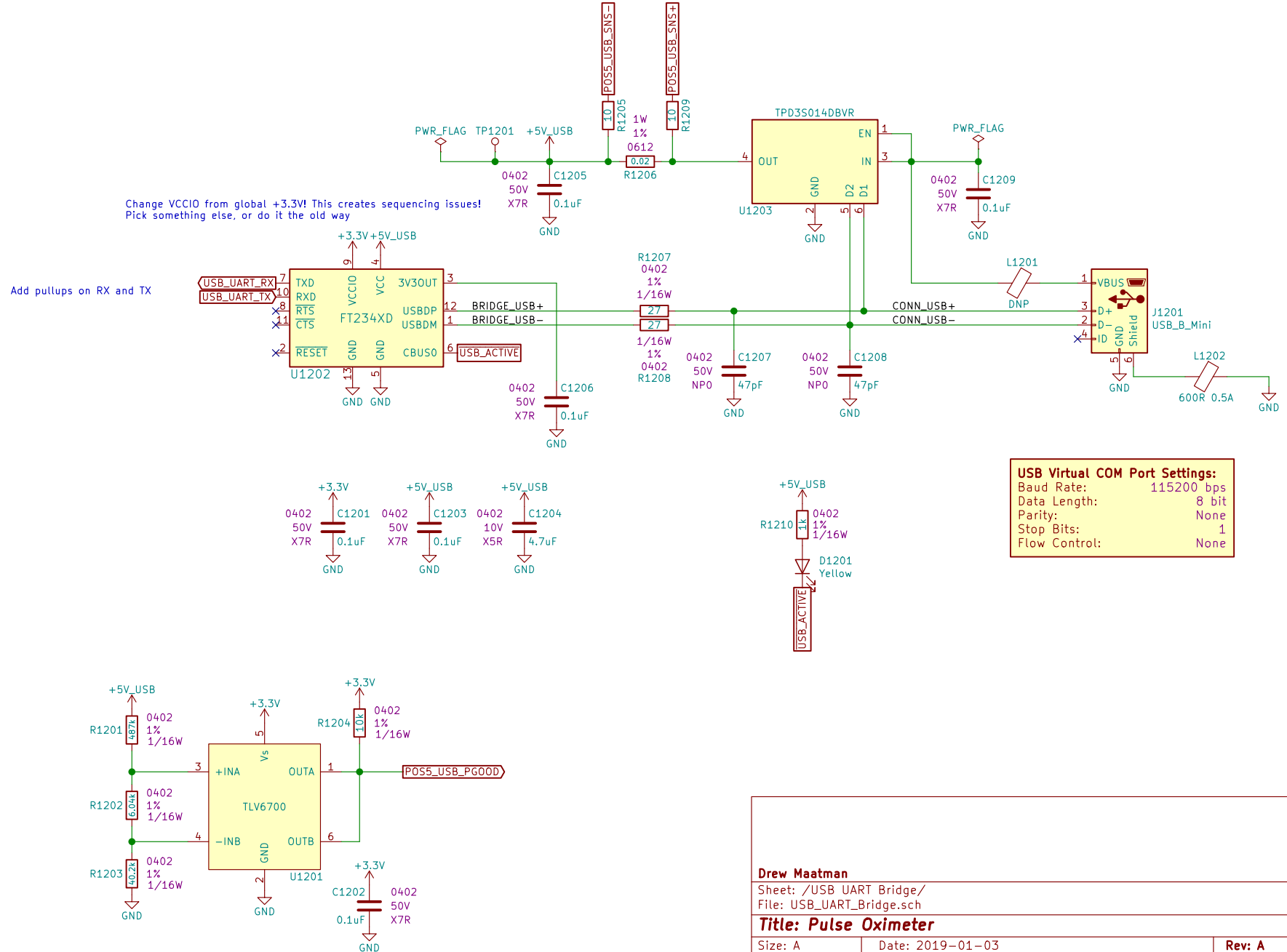
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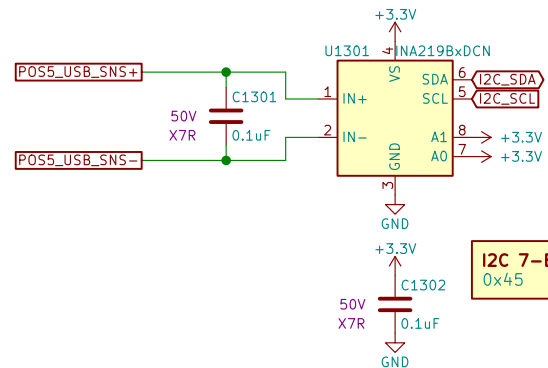
Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 10/21

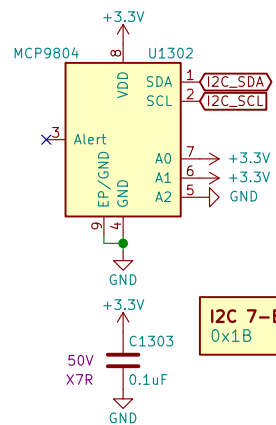


ECO: Run a modwire from +3.3V to +5V_USB somewhere, and ensure L1201 is non-popped





I2C 7-Bit Address:
0x45



I2C 7-Bit Address:
0x1B

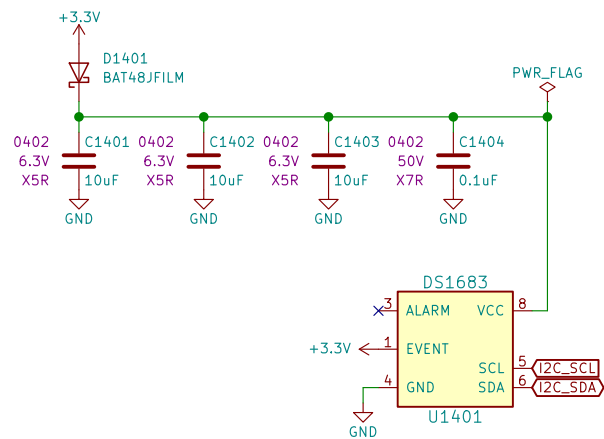
Drew Maatman

Sheet: /USB Telemetry/
File: USB_Telemetry.sch

Title: Pulse Oximeter

Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 13/21



I2C 7-Bit Address:
0x6B

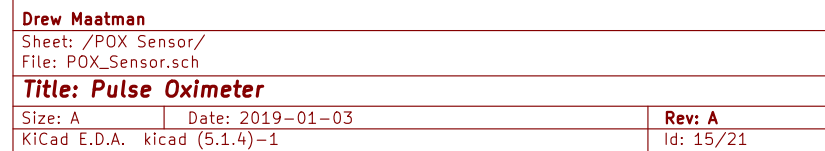
Drew Maatman

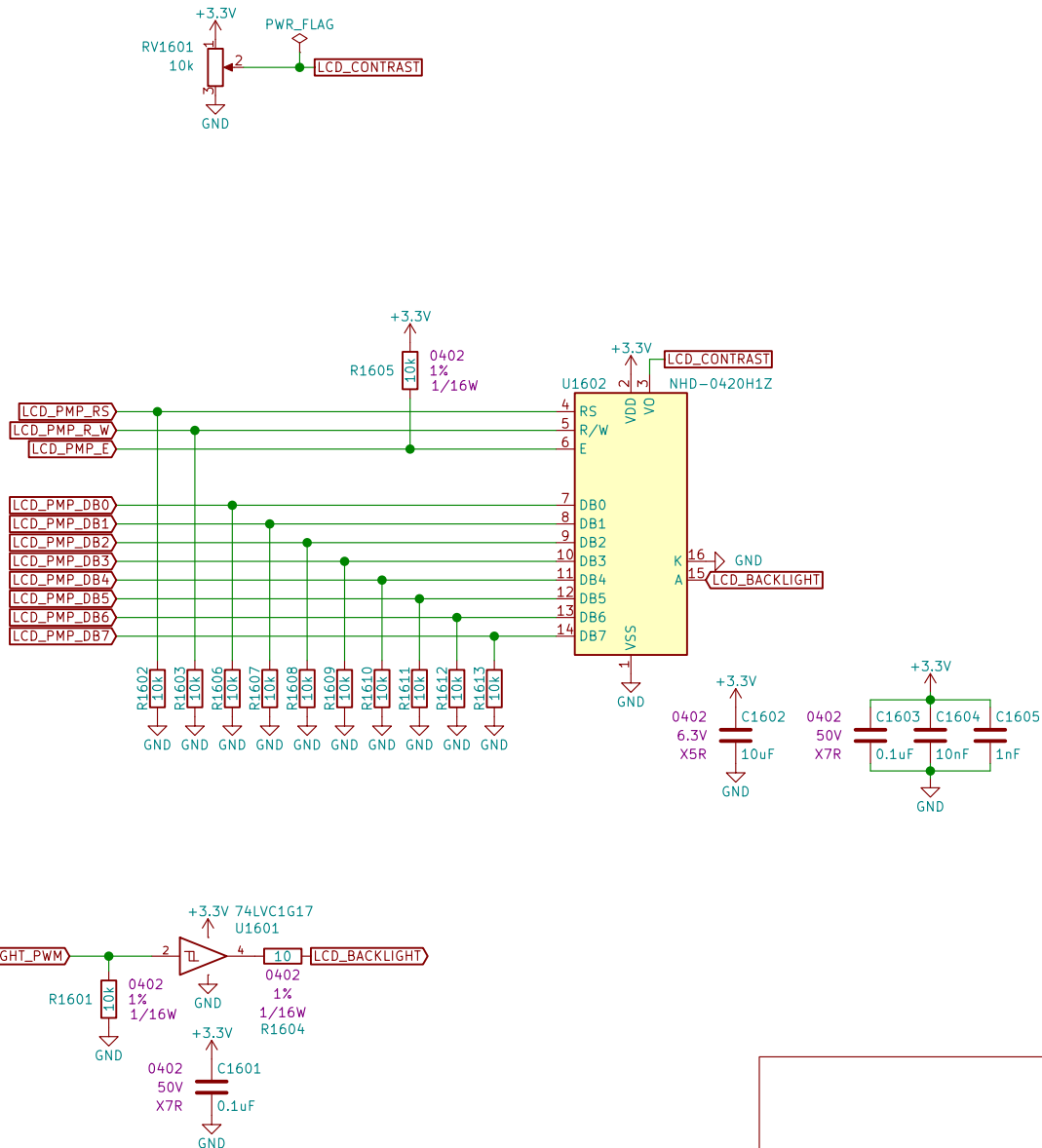
Sheet: /Time of Flight/
File: Time_of_Flight.sch

Title: Pulse Oximeter

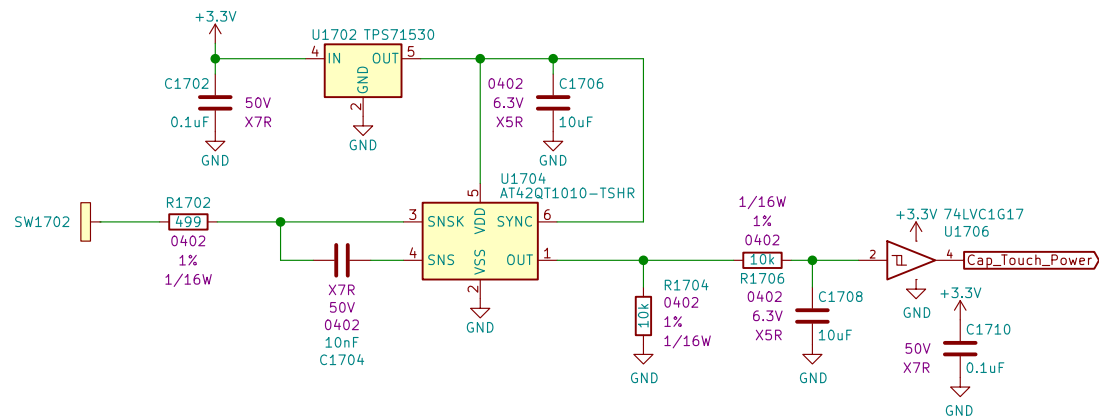
Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 14/21





Drew Maatman		
Sheet: /Display/		
File: Display.sch		
Title: Pulse Oximeter		
Size: A	Date: 2019-01-03	Rev: A
KiCad E.D.A. kicad (5.1.4)-1		Id: 16/21



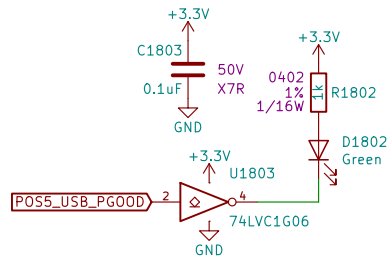
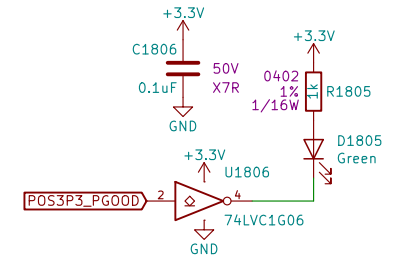
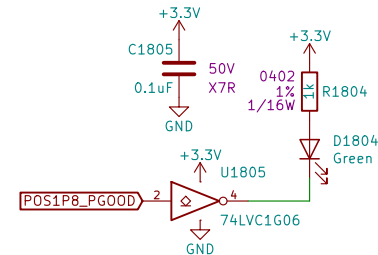
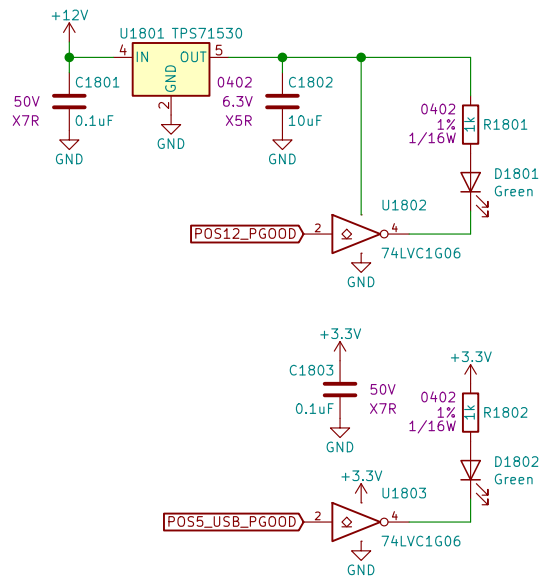
Drew Maatman

Sheet: /Pushbuttons/
File: Pushbuttons.sch

Title: Pulse Oximeter

Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 17/21



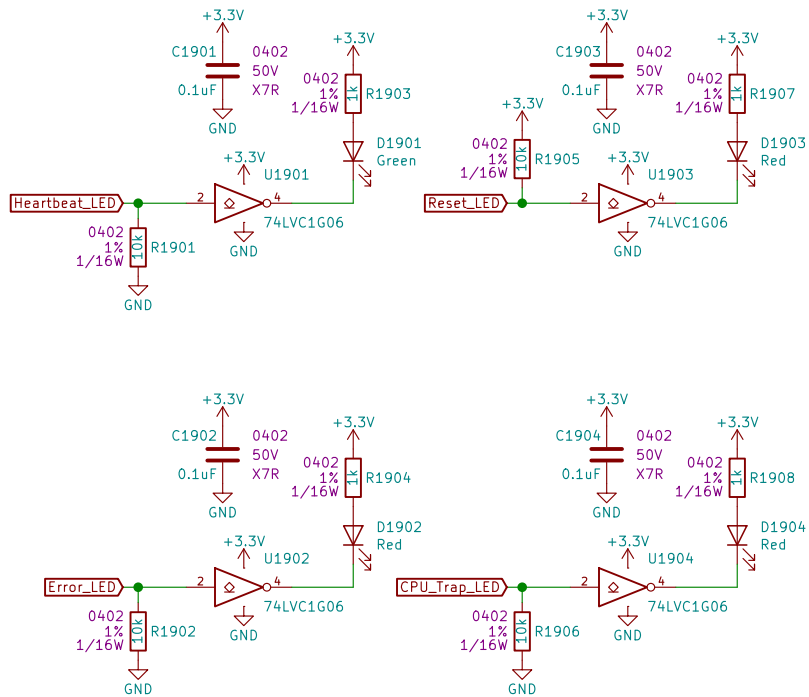
Drew Maatman

Sheet: /PGOOD LEDs/
File: PGOOD_LEDs.sch

Title: Pulse Oximeter

Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 18/21



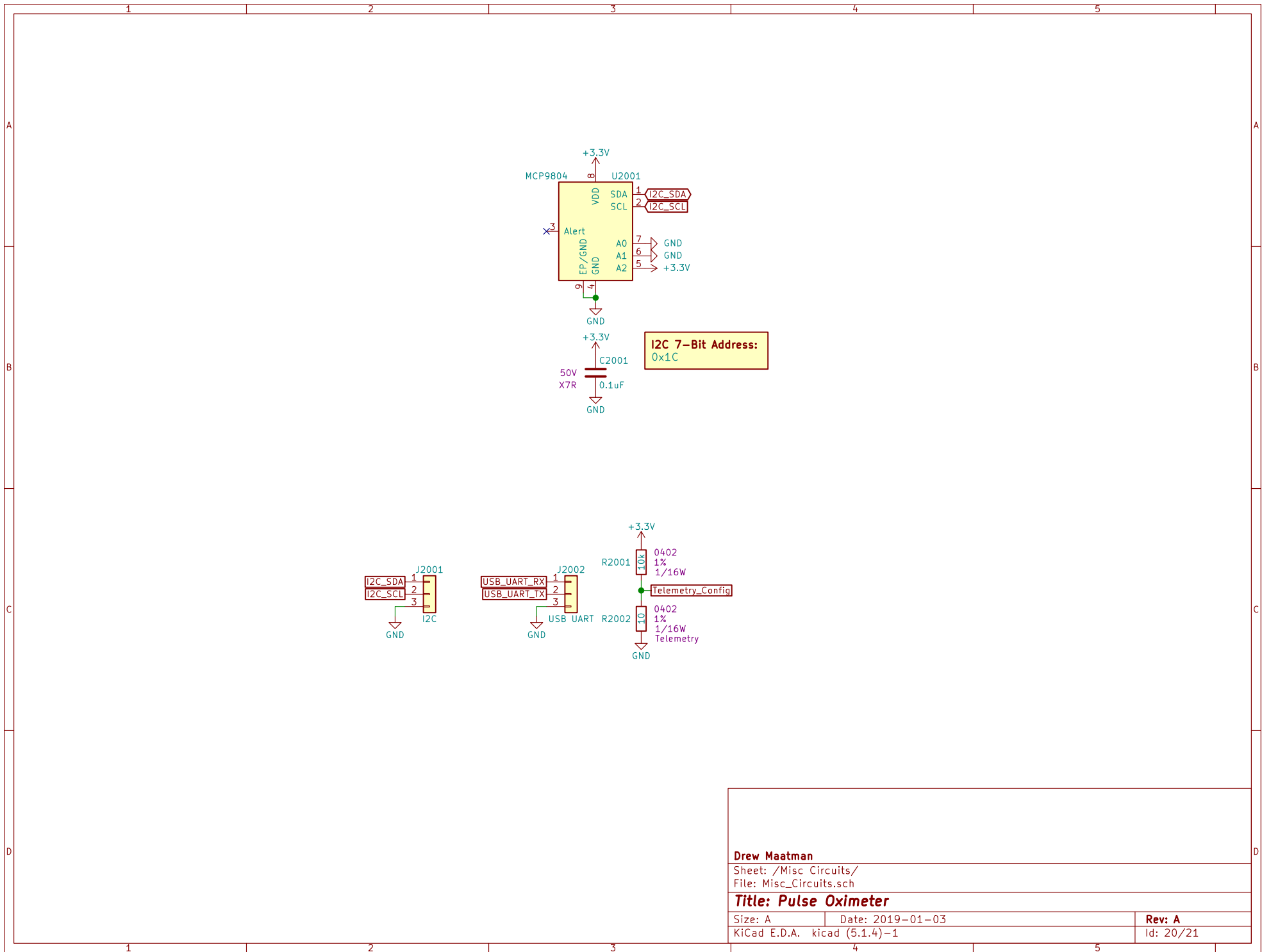
Drew Maatman

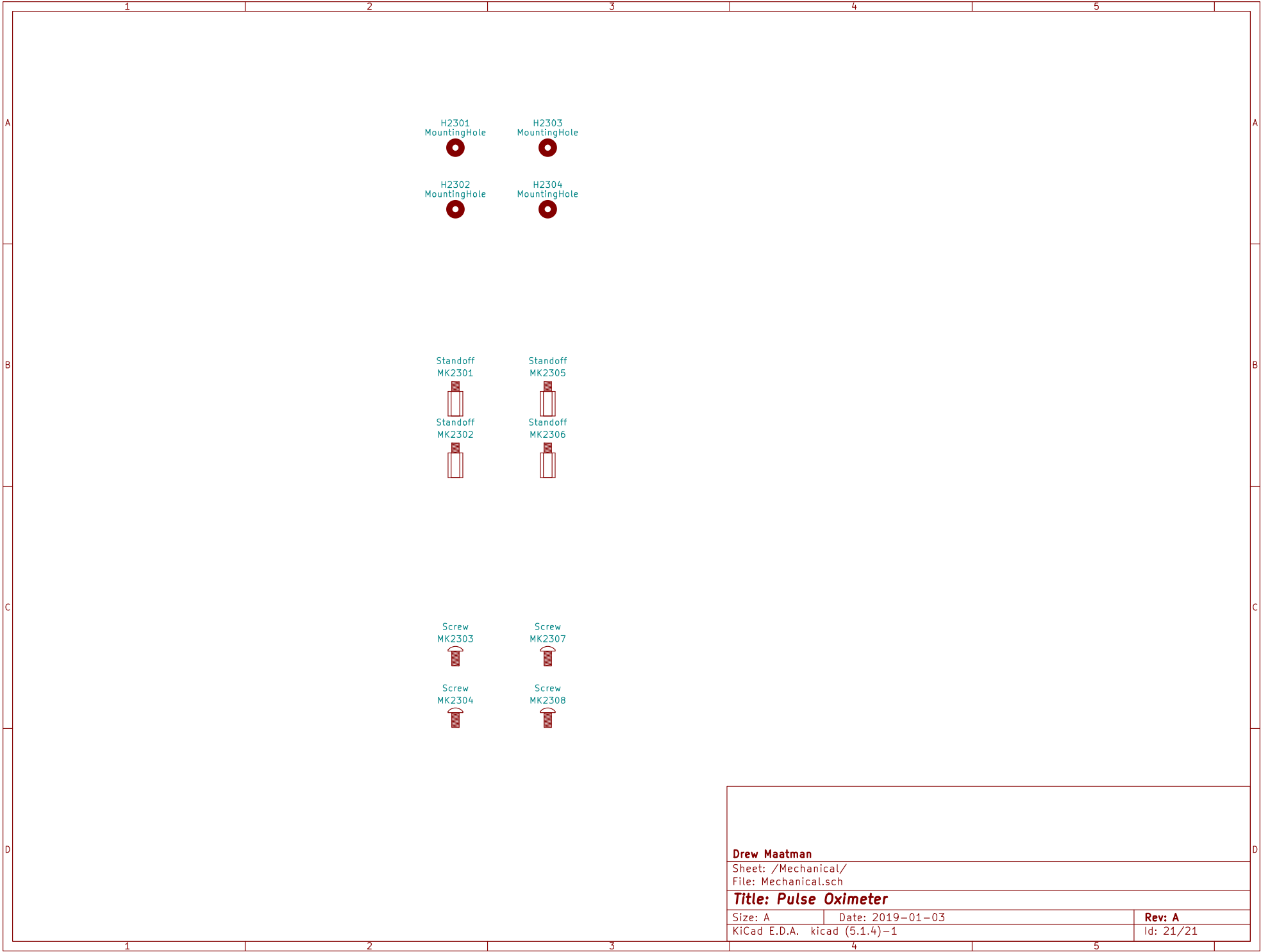
Sheet: /Status LEDs/
File: Status_LEDs.sch

Title: Pulse Oximeter

Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

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Id: 19/21





Drew Maatman

Sheet: /Mechanical/
File: Mechanical.sch

Title: Pulse Oximeter

Size: A	Date: 2019-01-03	Rev: A
KiCad E.D.A. kicad (5.1.4)-1		Id: 21/21