

	1	2	3	4	5	
A		Sheet: +12V Input File: POS12_Input.sch		Sheet: PG00D LEDs File: PG00D_LEDs.sch		A
		Sheet: +12V Telemetry File: POS12_Telemetry.sch		Sheet: Status LEDs File: Status_LEDs.sch		
		Sheet: +3.3V Power Supply File: POS3P3_Power_Supply.sch		Sheet: Misc Circuits File: Misc_Circuits.sch		
		Sheet: +3.3V Telemetry File: POS3P3_Telemetry.sch		Sheet: Mechanical File: Mechanical.sch		
		Sheet: +1.8V Power Supply File: POS1P8_Power_Supply.sch				
B		Sheet: +1.8V Telemetry File: POS1P8_Telemetry.sch				B
		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				
C		Sheet: USB Telemetry File: USB_Telemetry.sch				C
		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				
D						D
	1	2	3	4	5	

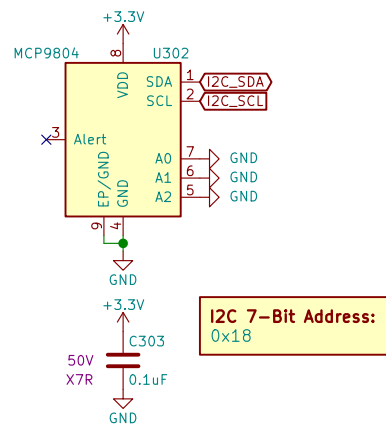
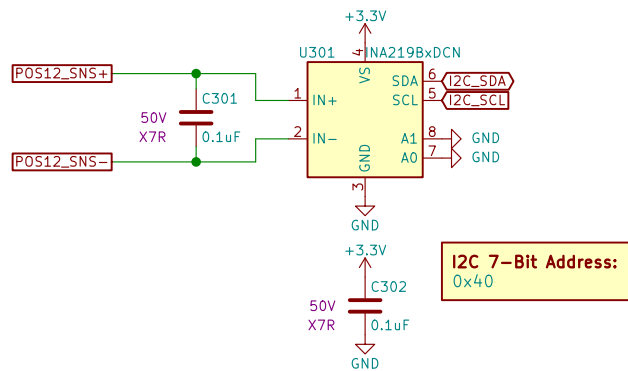
Drew Maatman

Sheet: /
File: Pulse_Oximeter.sch

Title: Pulse Oximeter

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

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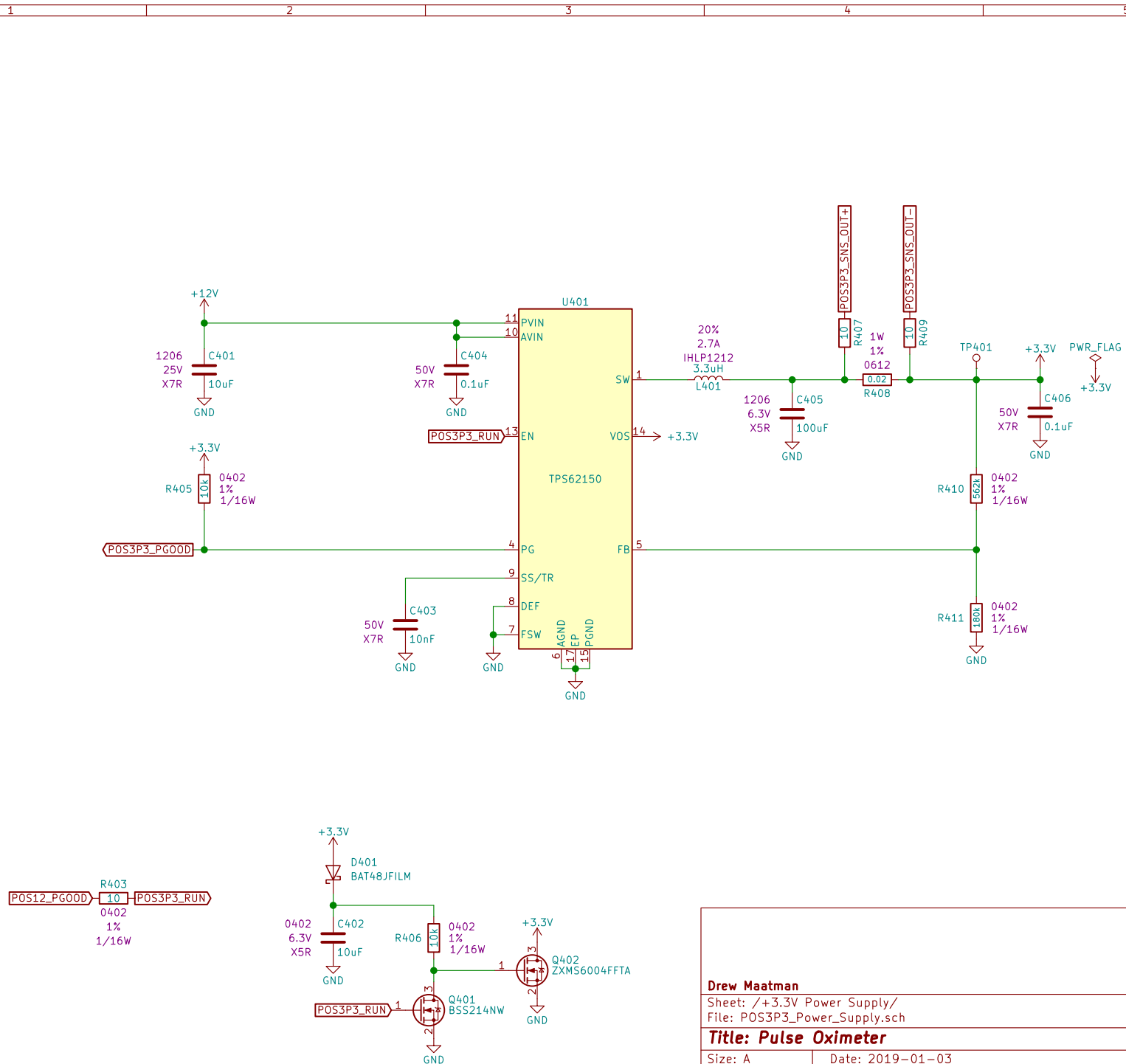
Drew Maatman

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

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Drew Maatman

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

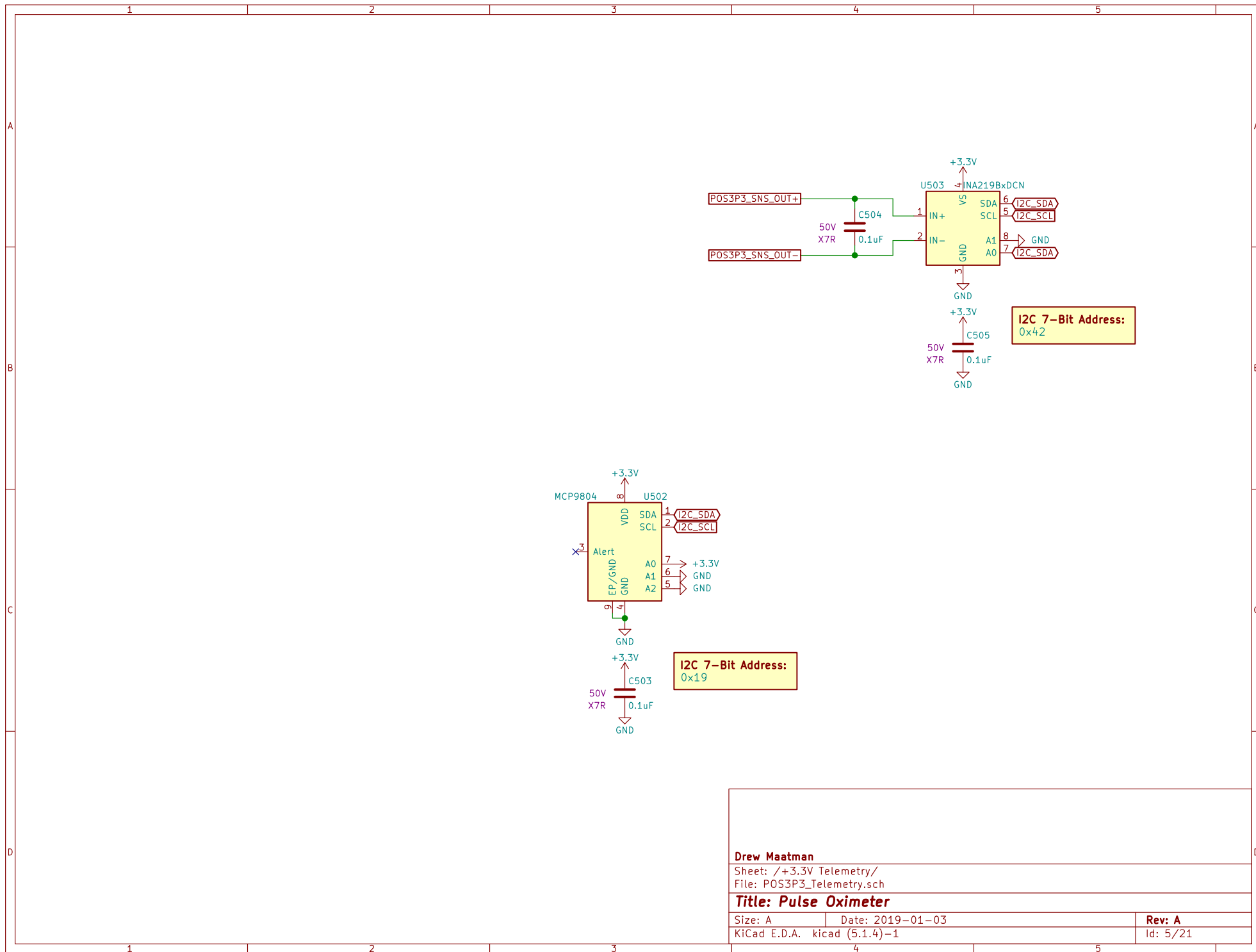
Title: Pulse Oximeter

Size: A Date: 2019-01-03

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

Rev: A

Id: 4/21



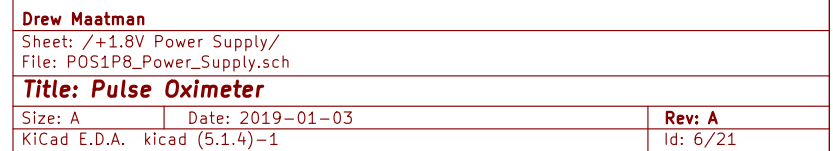
Drew Maatman

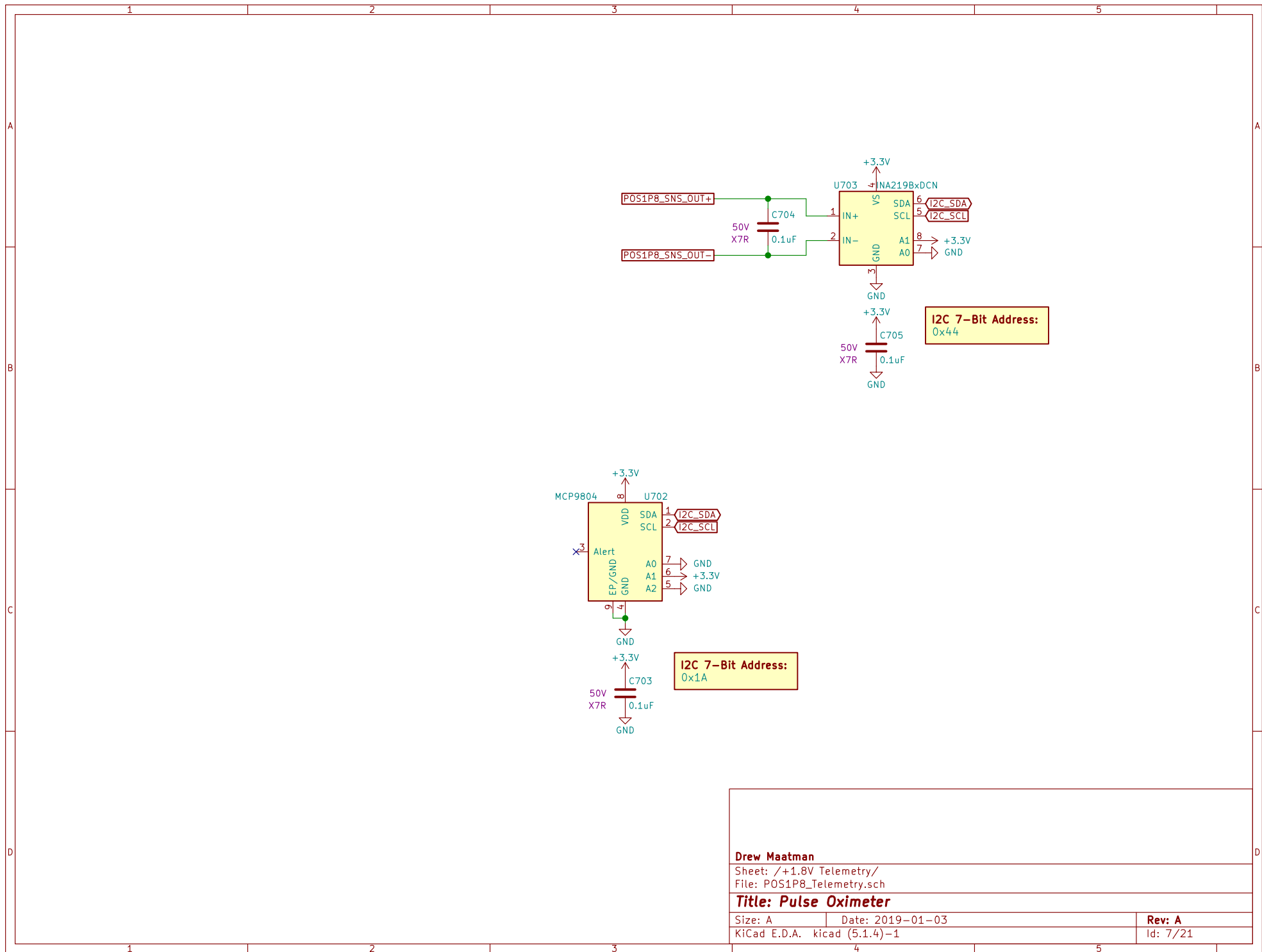
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File: POS3P3_Telemetry.sch

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

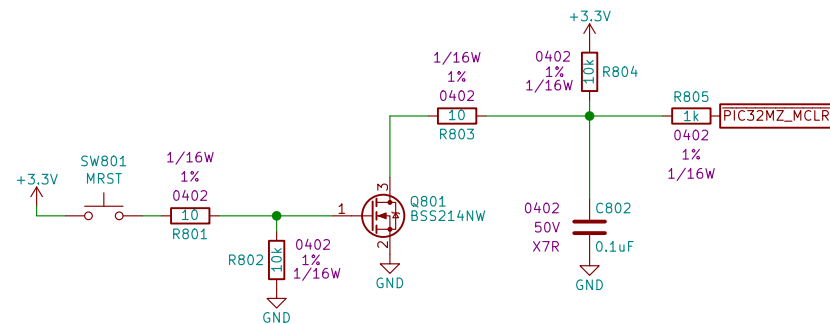
Title: Pulse Oximeter

Size: A Date: 2019-01-03

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

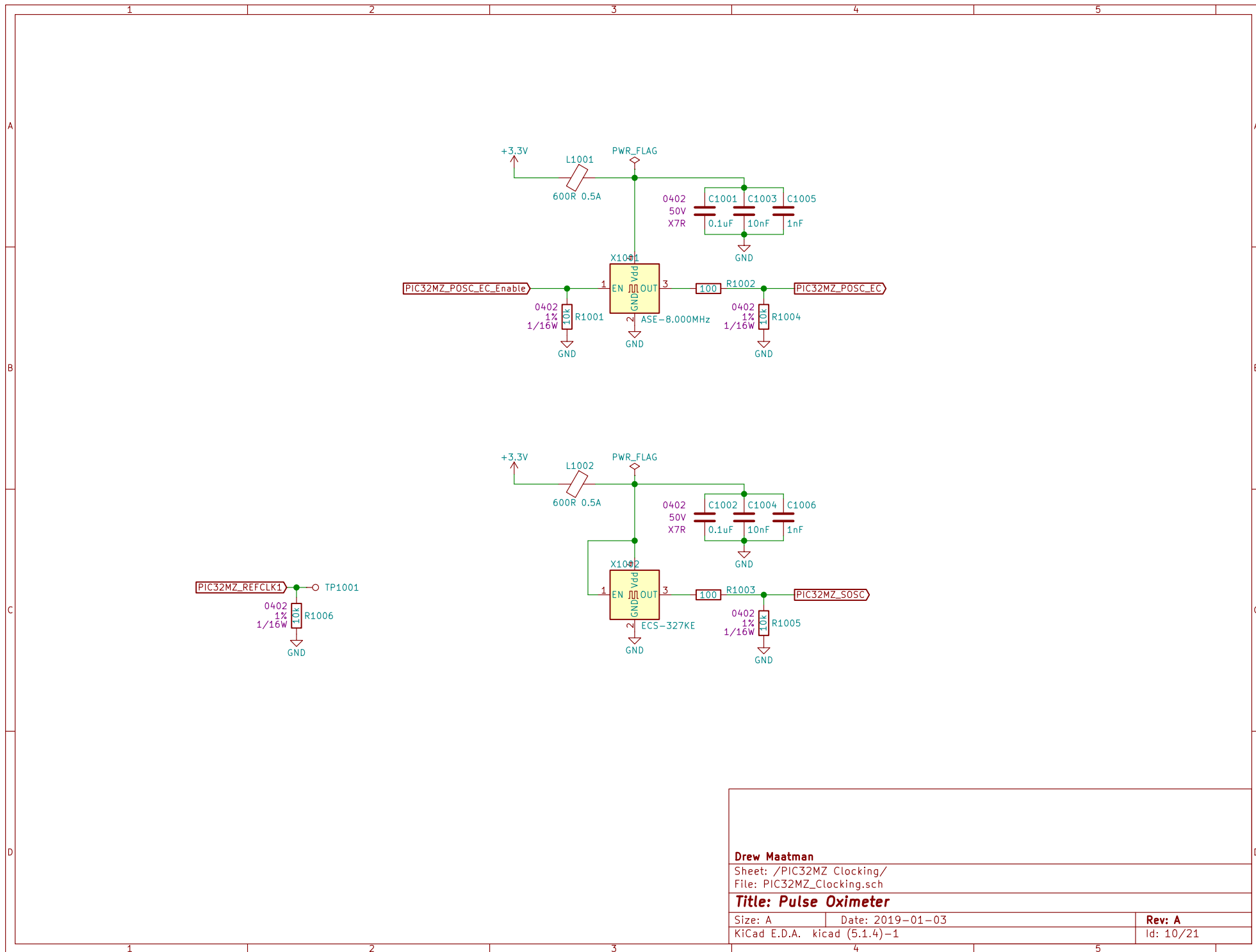
Rev: A

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Rev: A
Id: 8/21

Rev: A
Id: 9/21



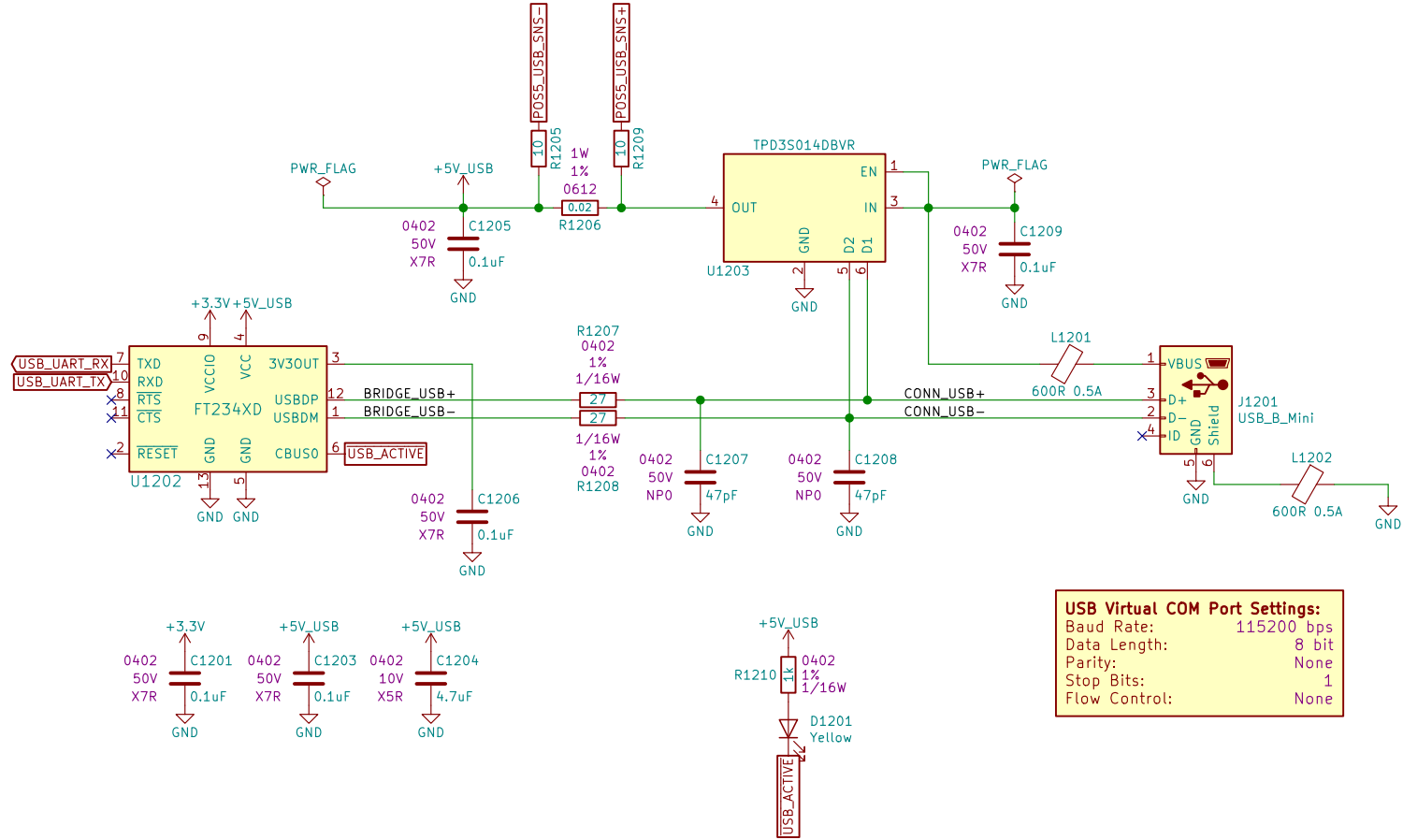
Drew Maatman

Sheet: /PIC32MZ Clocking/
File: PIC32MZ_Clocking.sch

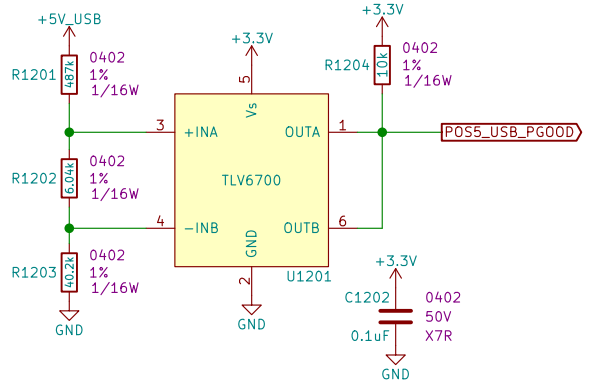
Title: Pulse Oximeter

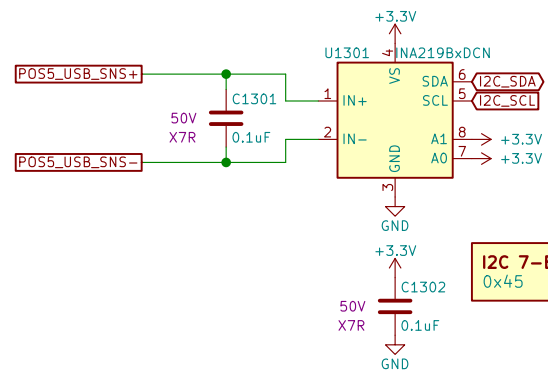
Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 10/21

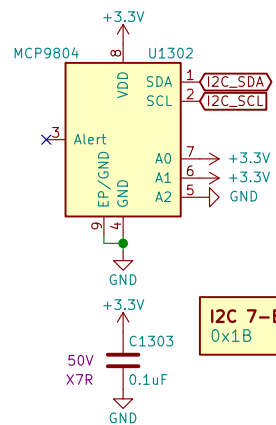


USB Virtual COM Port Settings:
 Baud Rate: 115200 bps
 Data Length: 8 bit
 Parity: None
 Stop Bits: 1
 Flow Control: None





I2C 7-Bit Address:
0x45



I2C 7-Bit Address:
0x1B

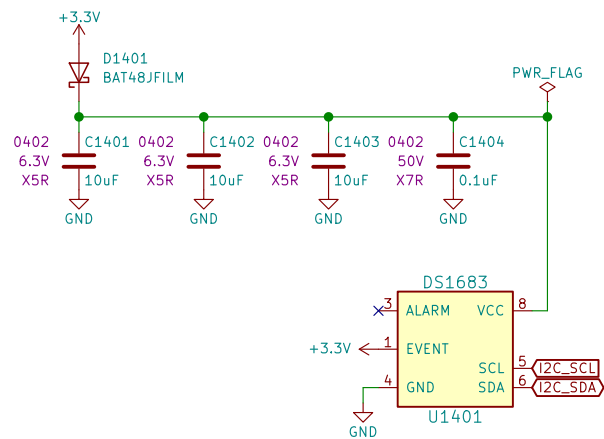
Drew Maatman

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

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Id: 13/21



I2C 7-Bit Address:
0x6B

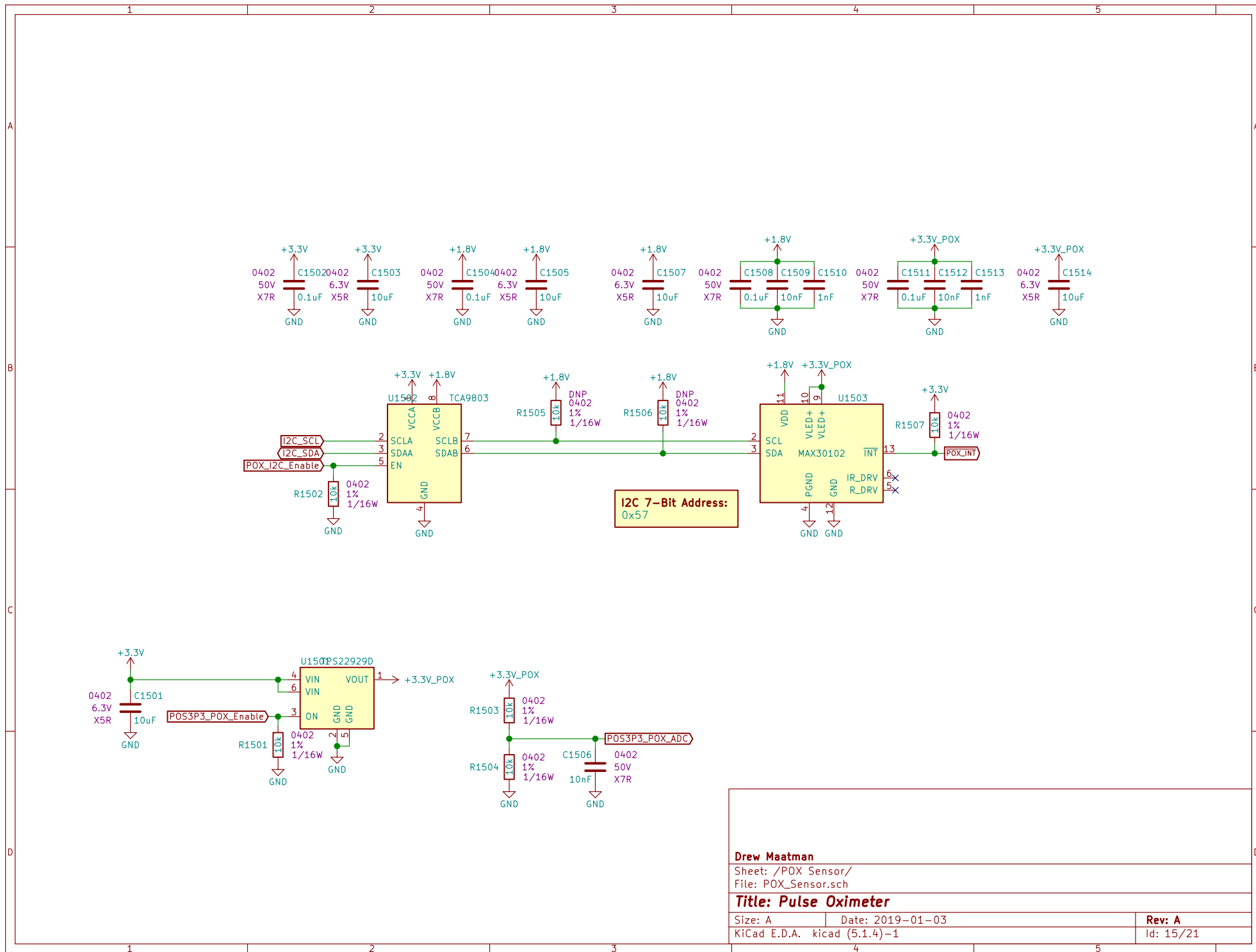
Drew Maatman

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



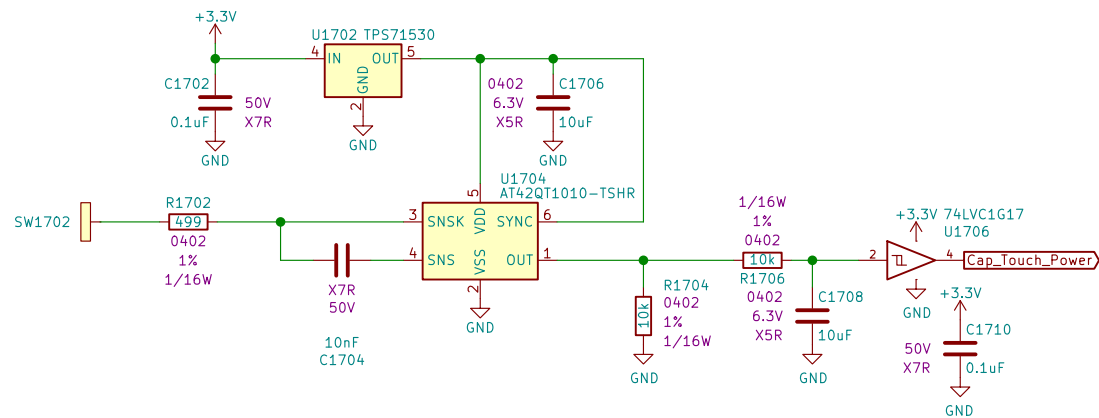
Drew Maatman

Sheet: /POX Sensor/
File: POX_Sensor.sch

Title: Pulse Oximeter

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

Rev: A
Id: 15/21



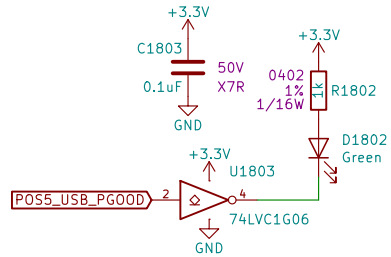
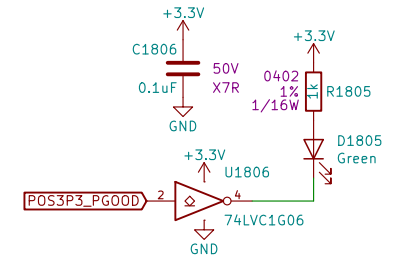
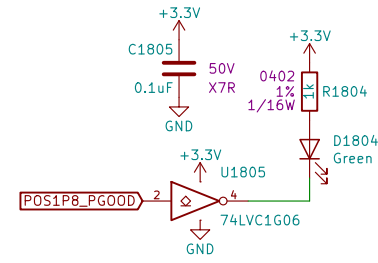
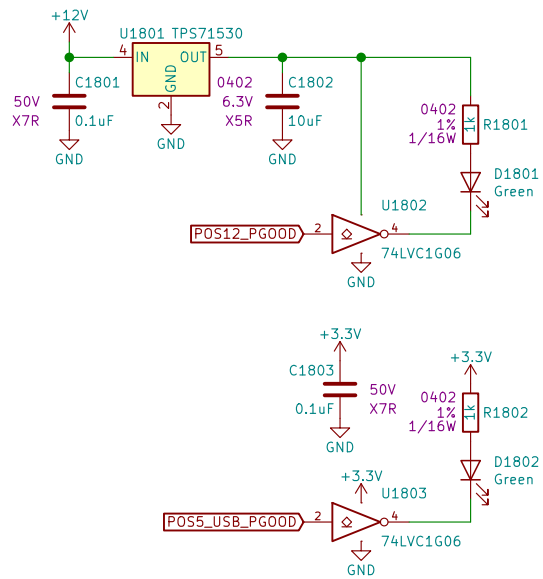
Drew Maatman

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



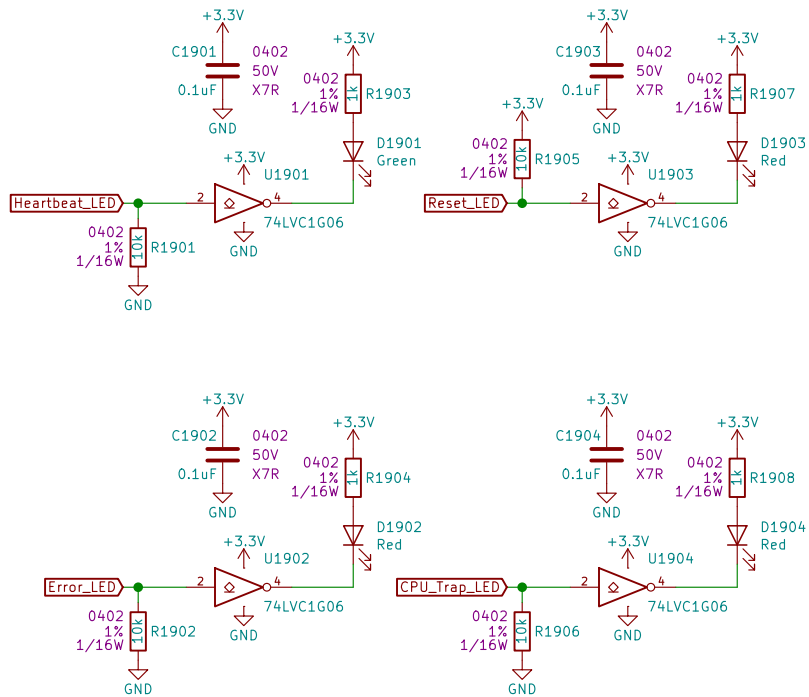
Drew Maatman

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

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Id: 18/21



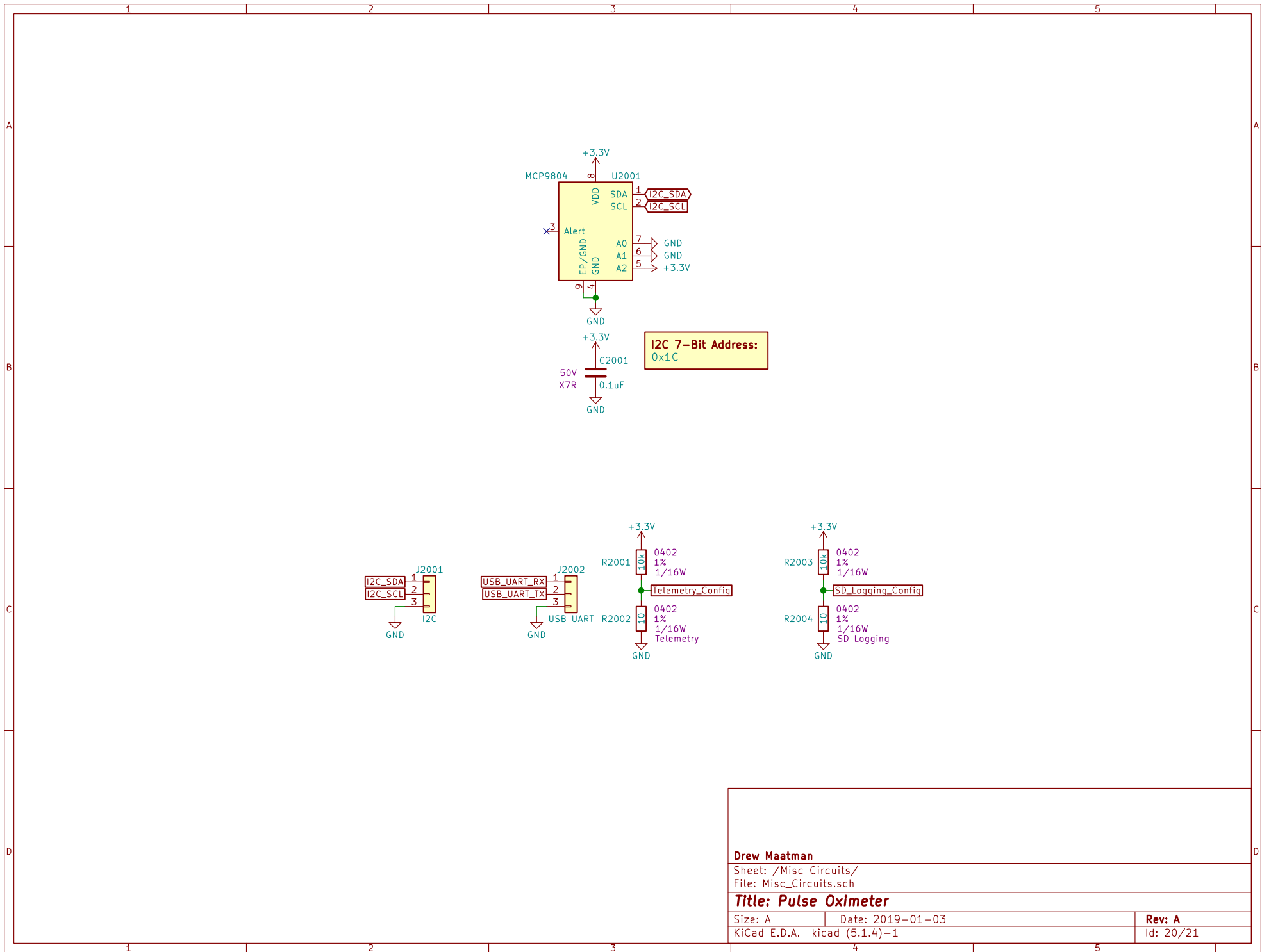
Drew Maatman

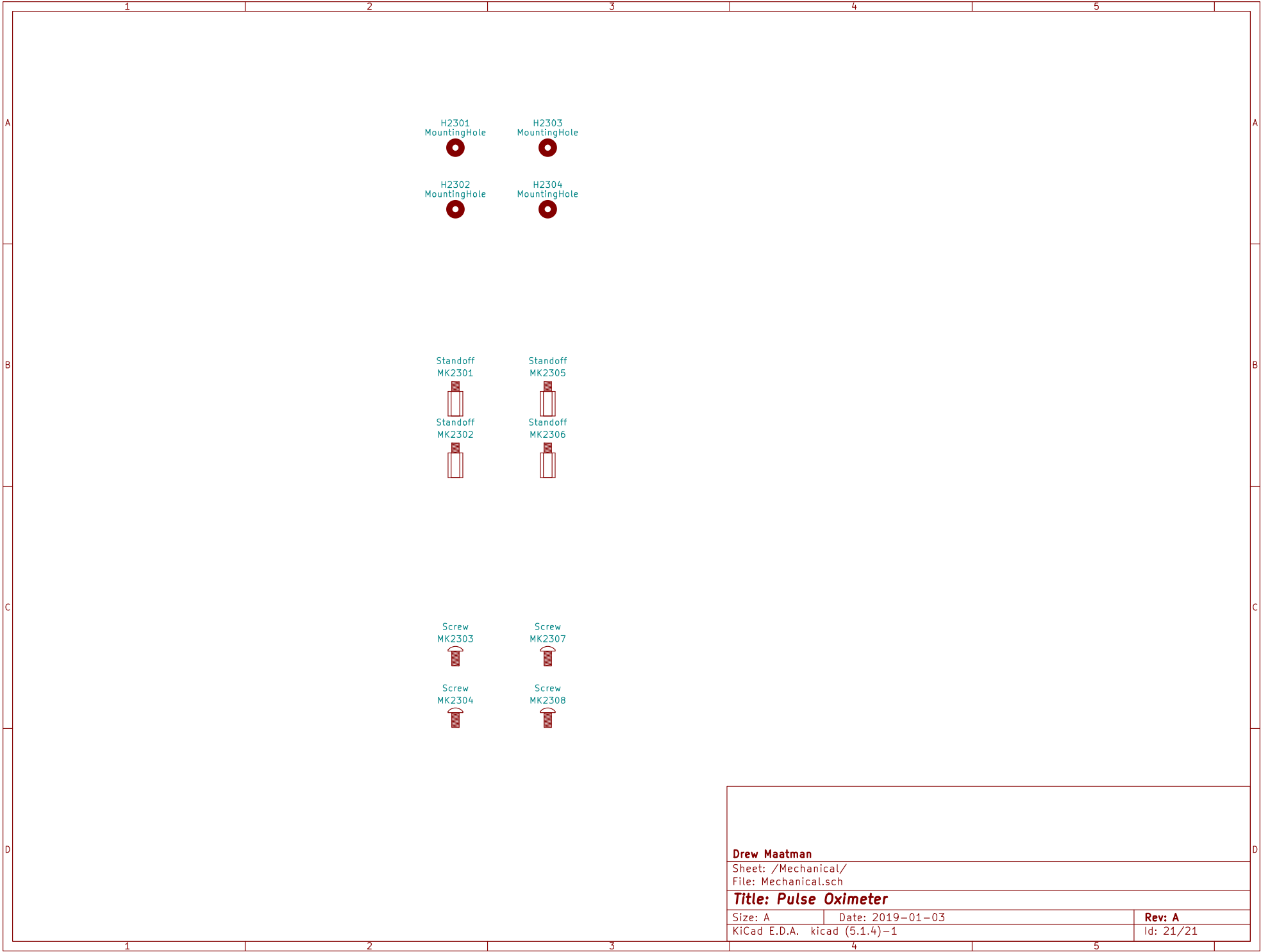
Sheet: /Status LEDs/
File: Status_LEDs.sch

Title: Pulse Oximeter

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

Rev: A
Id: 19/21





Drew Maatman

Sheet: /Mechanical/
File: Mechanical.sch

Title: Pulse Oximeter

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

Rev: A
Id: 21/21