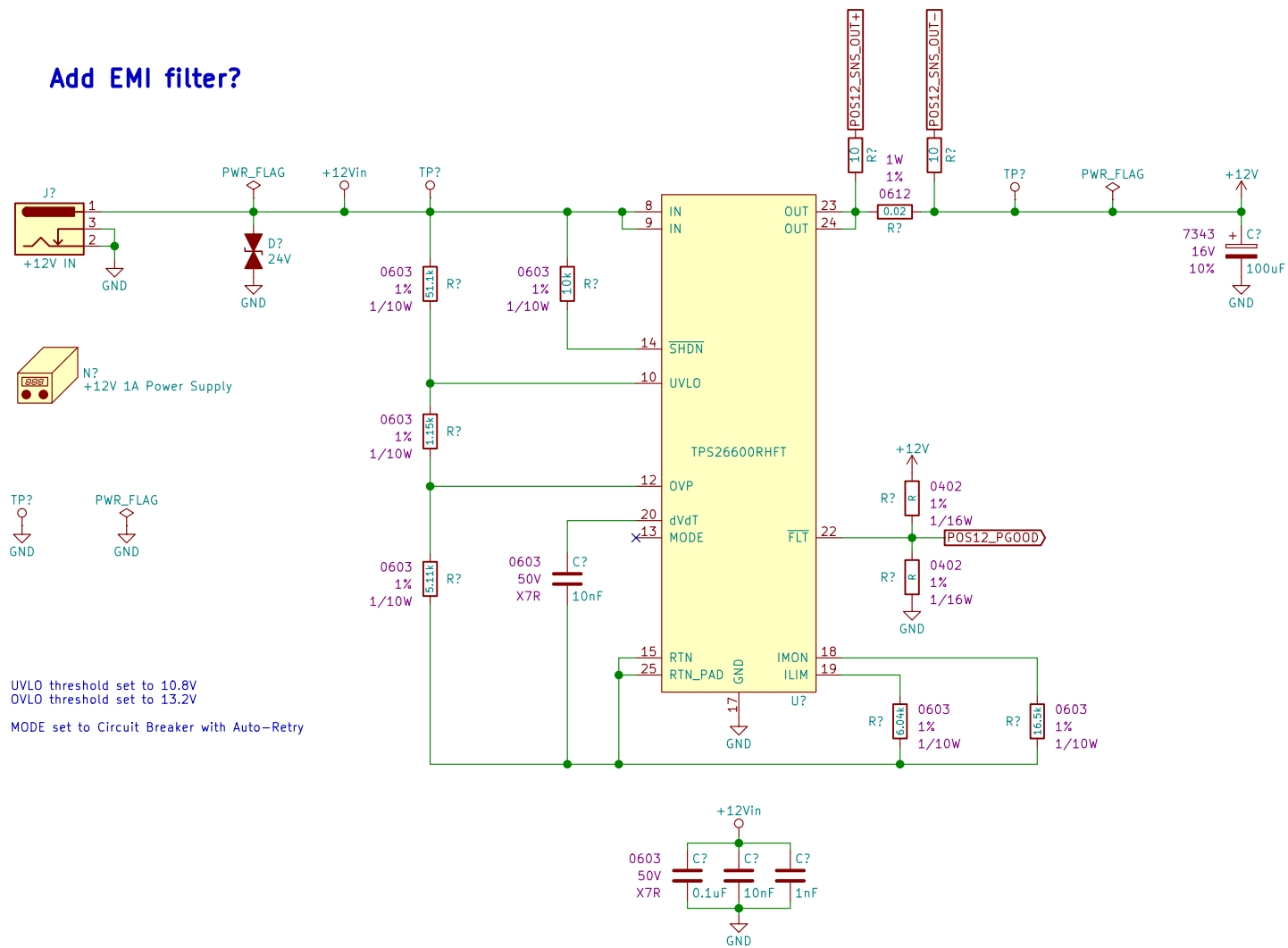


	1	2	3	4	5	
A		<p>Sheet: +12V Input</p> <p>File: POS12_Input.sch</p> <p>Sheet: +12V Telemetry</p> <p>File: POS12_Telemetry.sch</p> <p>Sheet: +3.3V Power Supply</p> <p>File: POS3P3_Power_Supply.sch</p> <p>Sheet: +3.3V Telemetry</p> <p>File: POS3P3_Telemetry.sch</p> <p>Sheet: +20V Power Supply</p> <p>File: POS20_Power_Supply.sch</p> <p>Sheet: +20V Telemetry</p> <p>File: POS20_Telemetry.sch</p> <p>Sheet: PIC32MZ Programming</p> <p>File: PIC32MZ_Programming.sch</p> <p>Sheet: PIC32MZ Bypass</p> <p>File: PIC32MZ_Bypass.sch</p> <p>Sheet: PIC32MZ</p> <p>File: PIC32MZ.sch</p> <p>Sheet: PIC32MZ Clocking</p> <p>File: PIC32MZ_Clocking.sch</p> <p>Sheet: Backup RTC</p> <p>File: Backup_RTC.sch</p> <p>Sheet: USB UART Bridge</p> <p>File: USB_Uart_Bridge.sch</p> <p>Sheet: USB Telemetry</p> <p>File: USB_Telemetry.sch</p> <p>Sheet: Time of Flight</p> <p>File: Time_of_Flight.sch</p> <p>Sheet: PGOOD LEDs</p> <p>File: PGOOD_LEDs.sch</p> <p>Sheet: Status LEDs</p> <p>File: Status_LEDs.sch</p>	<p>Sheet: Meter0</p> <p>File: Meter0.sch</p> <p>Sheet: Meter1</p> <p>File: Meter1.sch</p> <p>Sheet: Meter2</p> <p>File: Meter2.sch</p> <p>Sheet: LED Driver</p> <p>File: LED_Driver.sch</p>			A
B						B
C						C
D						D
	1	2	3	4	5	

ADD MECH SHEET

Sheet: /		
File: Analog_Clock.sch		
Title:		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.1.4)-1		Id: 1/21

Add EMI filter?



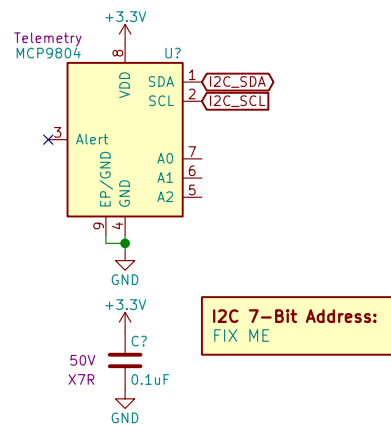
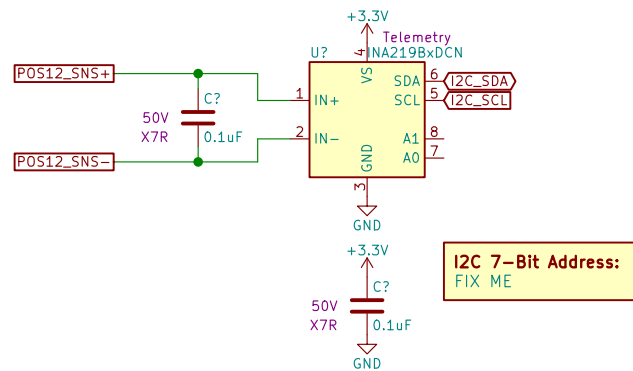
Drew Maatman

Sheet: /+12V Input/  
File: POS12\_Input.sch

Title: Incrementor

Size: A Date: 2019-09-03  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 2/21



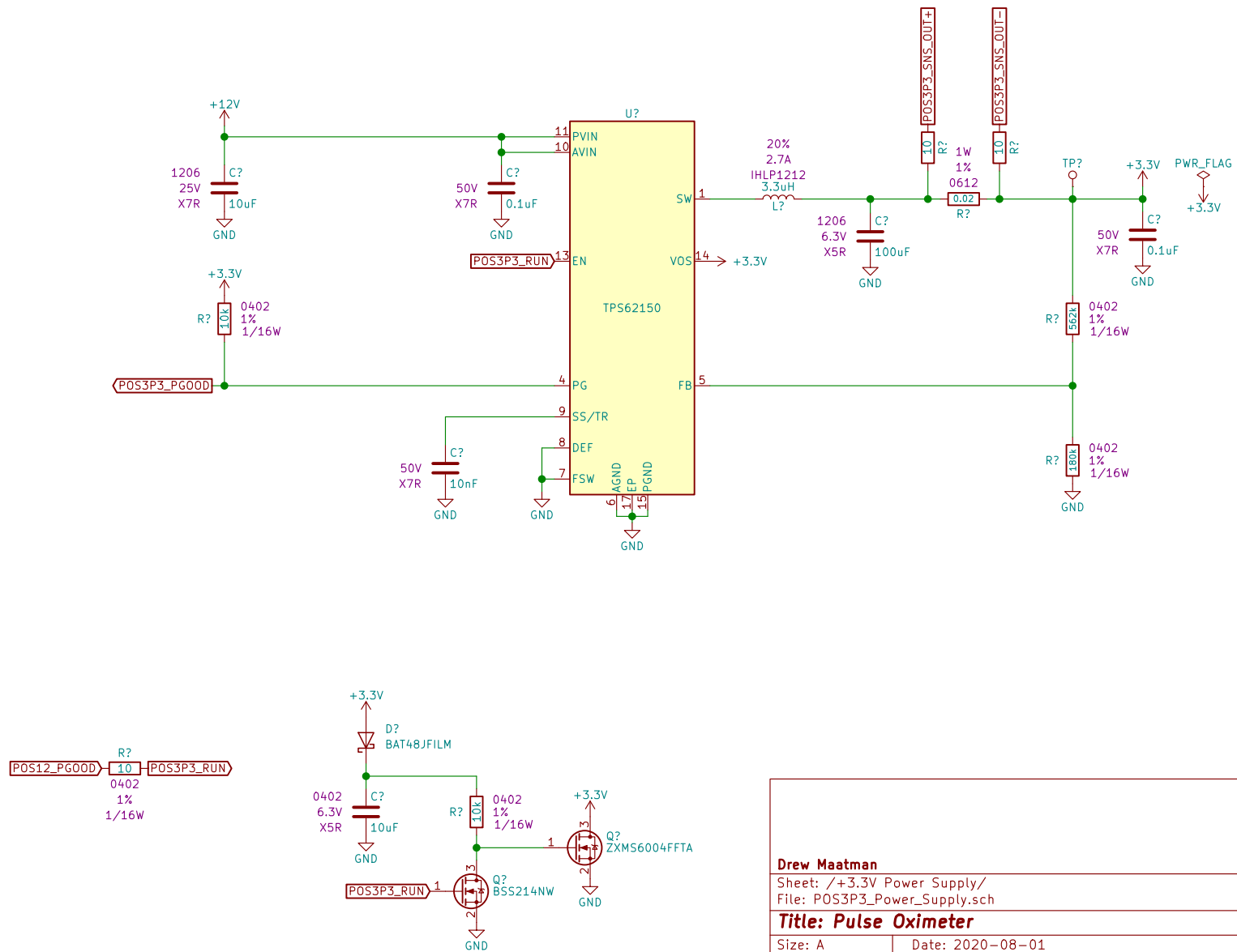
Drew Maatman

Sheet: /+12V Telemetry/  
File: POS12\_Telemetry.sch

**Title: Pulse Oximeter**

Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 3/21



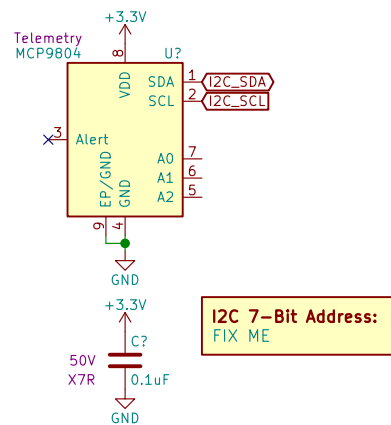
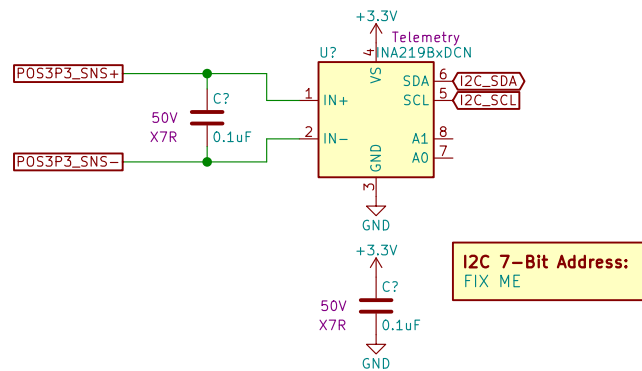
Drew Maatman

Sheet: /+3.3V Power Supply/  
File: POS3P3\_Power\_Supply.sch

**Title: Pulse Oximeter**

Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 4/21



Drew Maatman

Sheet: /+3.3V Telemetry/  
File: POS3P3\_Telemetry.sch

**Title: Pulse Oximeter**

Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 5/21

1					2					3					4					5					
A																									A
B																									B
C																									C
D																									D
1					2					3					4					5					

Sheet: /+20V Power Supply/  
File: POS20\_Power\_Supply.sch

Title:

Size: A

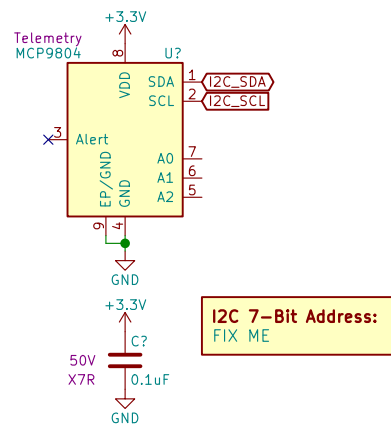
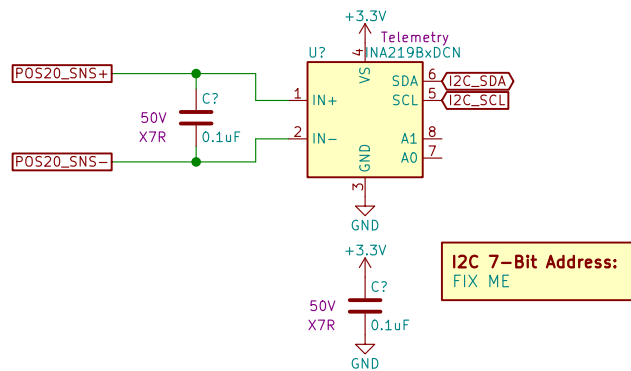
Date:

Rev:

KiCad E.D.A.    kicad (5.1.4)–1

Id: 6/21

Sheet: /+20V Power Supply/ File: POS20_Power_Supply.sch																								
Title:																								
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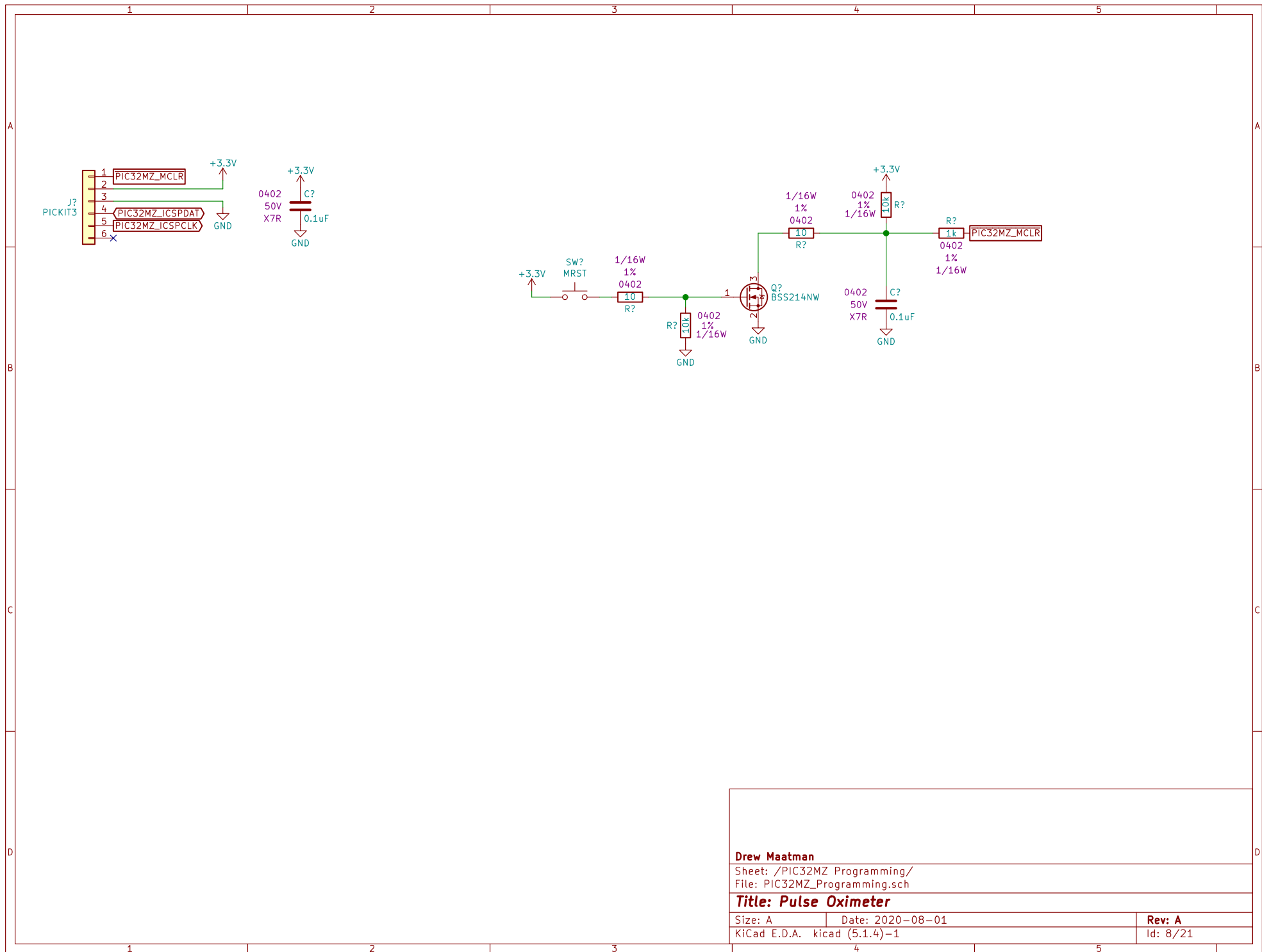
Drew Maatman

Sheet: /+20V Telemetry/  
File: POS20\_Telemetry.sch

**Title: Pulse Oximeter**

Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 7/21



Drew Maatman

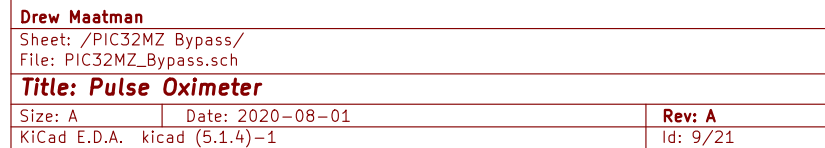
Sheet: /PIC32MZ Programming/  
File: PIC32MZ\_Programming.sch

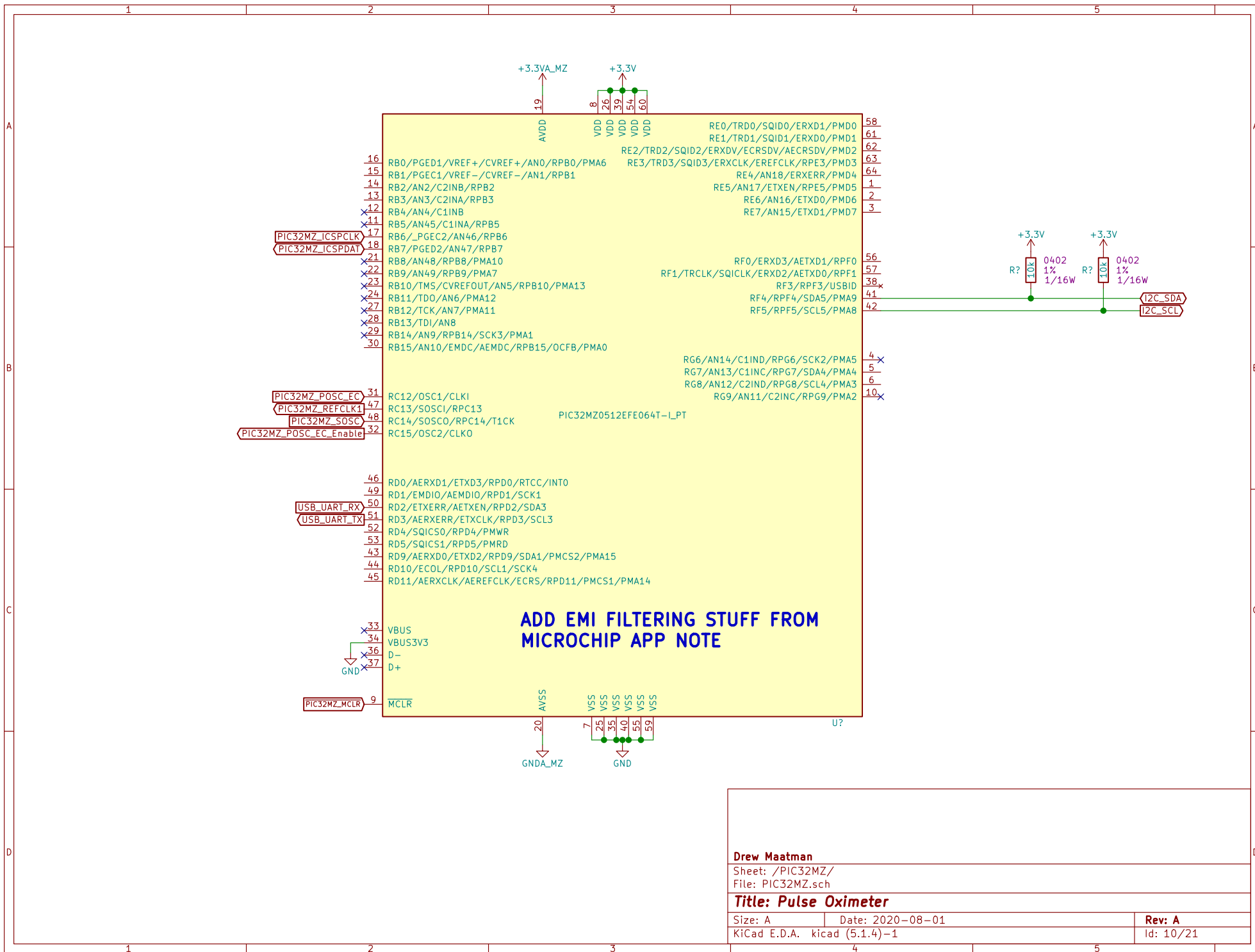
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Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 8/21







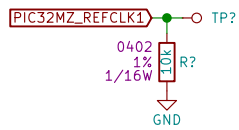
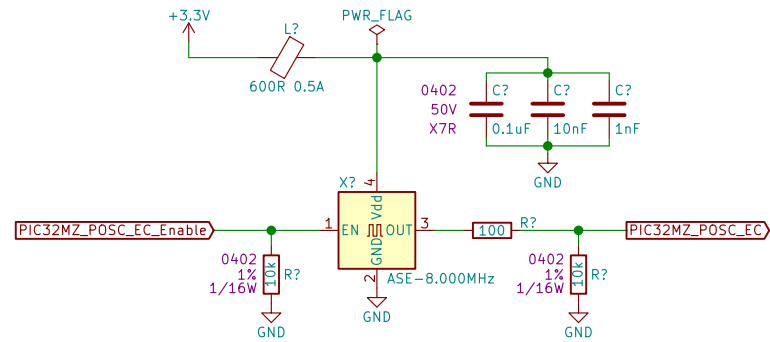
Drew Maatman

Sheet: /PIC32MZ/  
File: PIC32MZ.sch

Title: Pulse Oximeter

Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 10/21



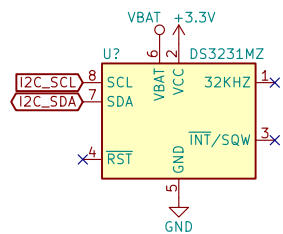
**Drew Maatman**

Sheet: /PIC32MZ Clocking/  
File: PIC32MZ\_Clocking.sch

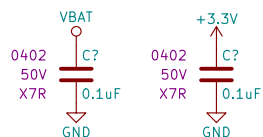
**Title: Pulse Oximeter**

Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

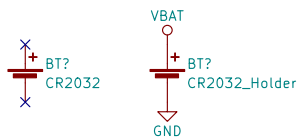
**Rev: A**  
Id: 11/21



I2C 7-Bit Address:  
I2C\_Address



Replace with smaller battery?



Sheet: /Backup\_RTC/  
File: Backup\_RTC.sch

**Title:**

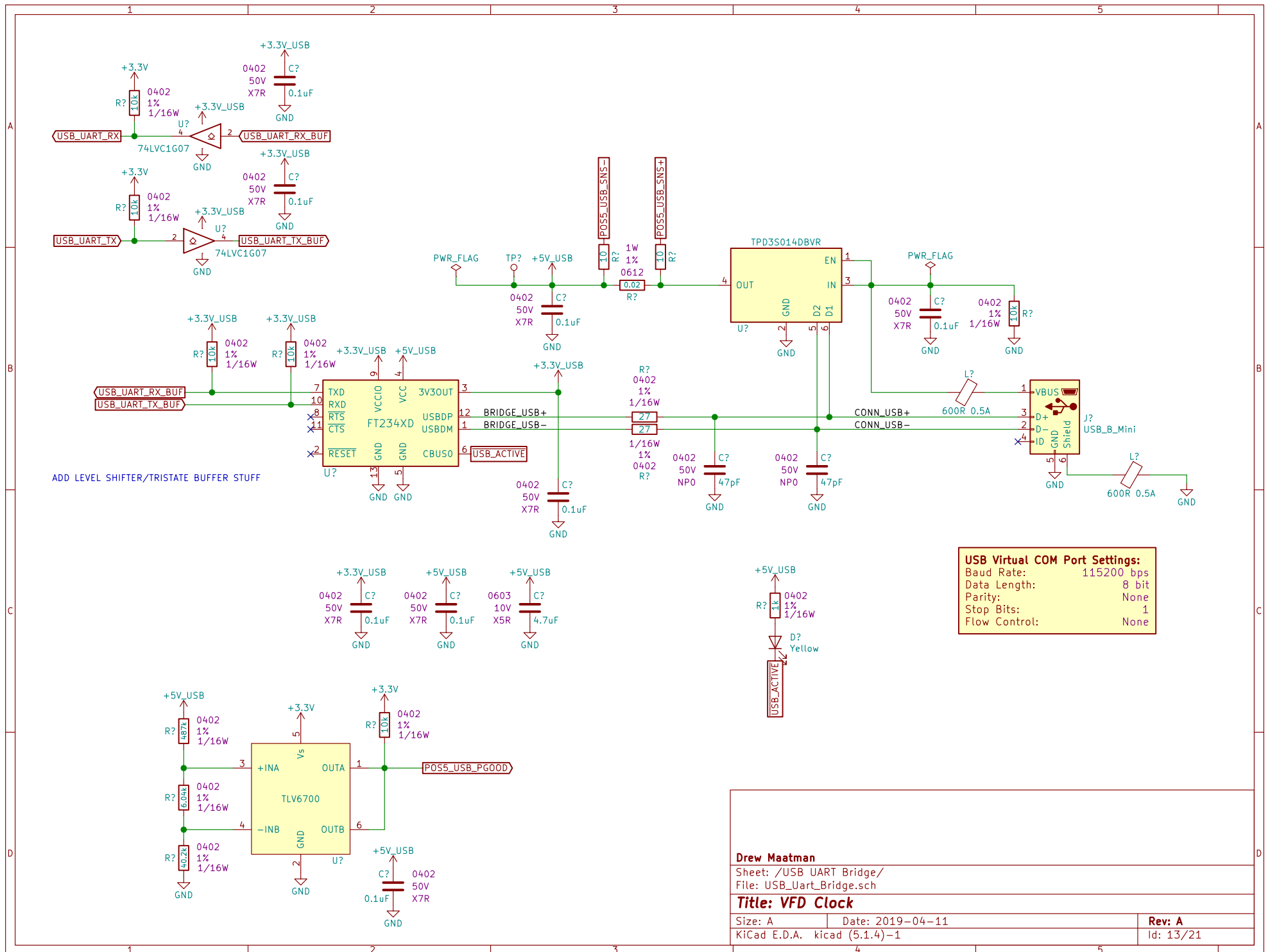
Size: A

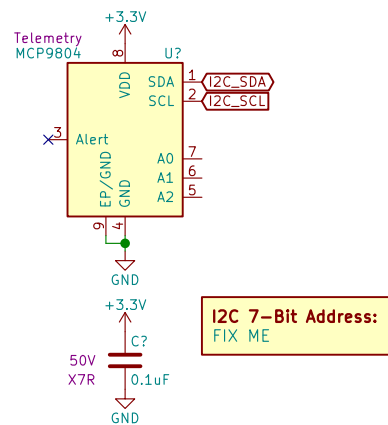
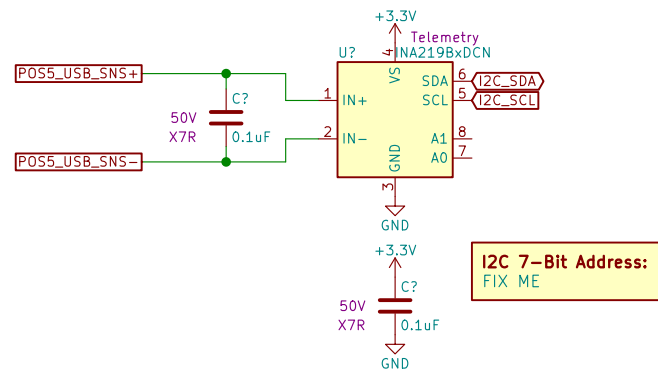
Date:

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

**Rev:**

Id: 12/21





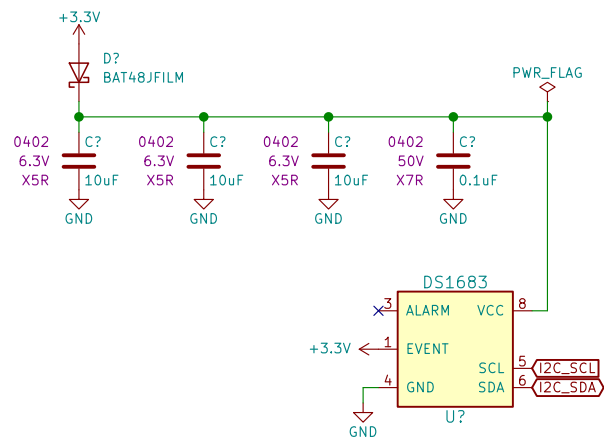
Drew Maatman

Sheet: /USB Telemetry/  
File: USB\_Telemetry.sch

**Title: Pulse Oximeter**

Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 14/21

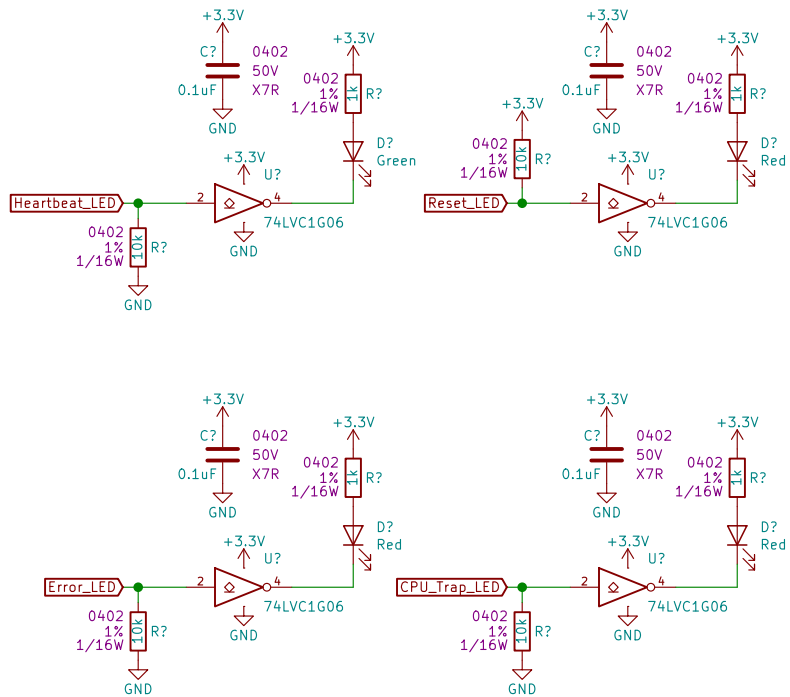


I2C 7-Bit Address:  
kjhjfhdsaf

Sheet: /Time of Flight/ File: Time_of_Flight.sch		
Title:		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.1.4)-1		Id: 15/21







Sheet: /Status LEDs/  
File: Status\_LEDs.sch

**Title:**

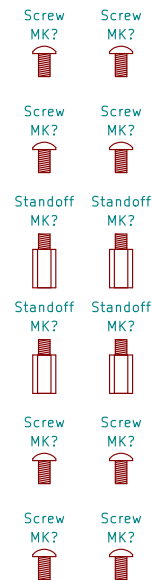
Size: A

Date:

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

**Rev:**

Id: 17/21



Id: 18/21

1					2					3					4					5					
A																									A
B																									B
C																									C
D																									D
1					2					3					4					5					

Sheet: /Meter1/  
File: Meter1.sch

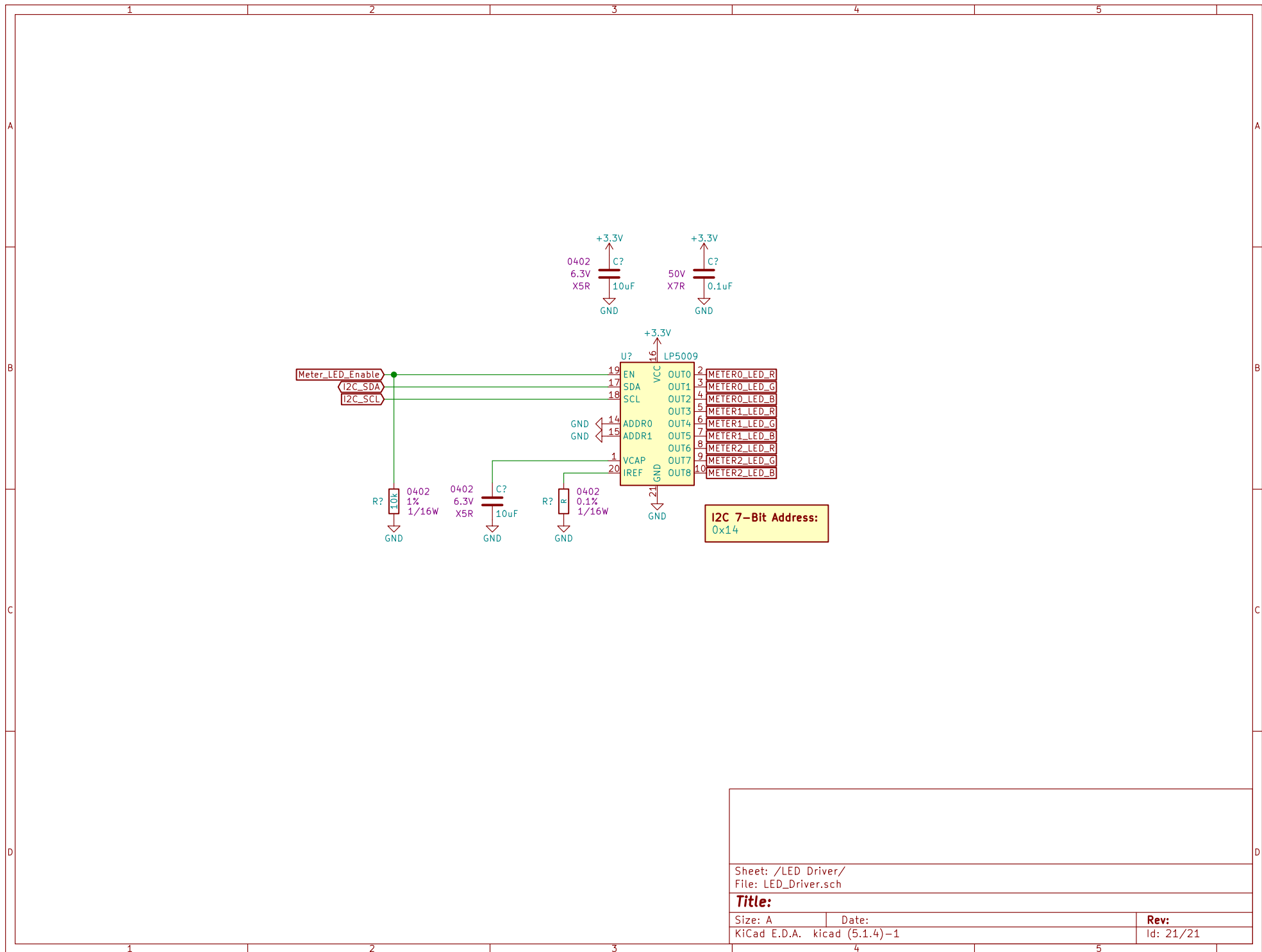
Title:

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Rev:Id: 19/21

Sheet: /Meter1/ File: Meter1.sch		
<b>Title:</b>		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.1.4)-1		Id: 19/21

[illegible]



Sheet: /LED Driver/  
File: LED\_Driver.sch

**Title:**

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

Rev:  
Id: 21/21