

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: +20V Power Supply File: POS20_Power_Supply.sch Sheet: +20V Telemetry File: POS20_Telemetry.sch Sheet: PIC32MZ Programming File: PIC32MZ_Programming.sch Sheet: PIC32MZ Bypass File: PIC32MZ_Bypass.sch Sheet: PIC32MZ File: PIC32MZ.sch Sheet: PIC32MZ Clocking File: PIC32MZ_Clocking.sch Sheet: Backup RTC File: Backup_RTC.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: PGOOD LEDs File: PGOOD_LEDs.sch Sheet: Status LEDs File: Status_LEDs.sch	Sheet: Meter0 File: Meter0.sch Sheet: Meter1 File: Meter1.sch Sheet: Meter2 File: Meter2.sch Sheet: LED Driver File: LED_Driver.sch Sheet: Pushbuttons File: Pushbuttons.sch Sheet: Function LEDs File: Function_LEDs.sch	A	
B				B
C				C
D				D
1	2	3	4	5

Sheet: /  
File: Analog\_Clock.sch

Title:

Size: ADate:KiCad E.D.A. kicad (5.1.4)–1

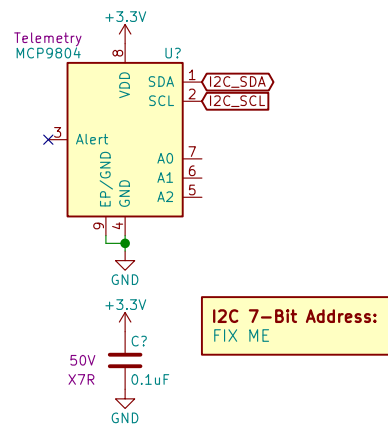
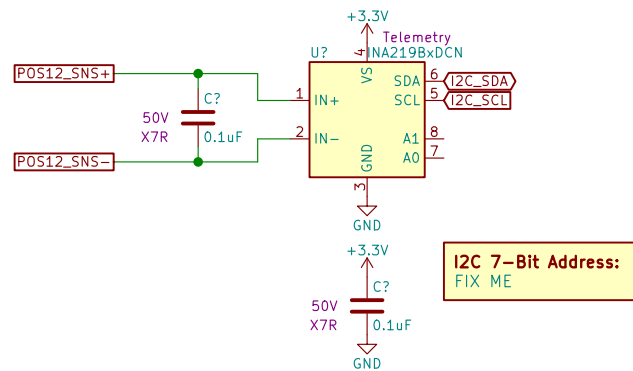
Rev:Id: 1/23

ADD MECH SHEET

# ADD MECH SHEET

Sheet: / File: Analog_Clock.sch		
Title:		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.1.4)-1		Id: 1/23





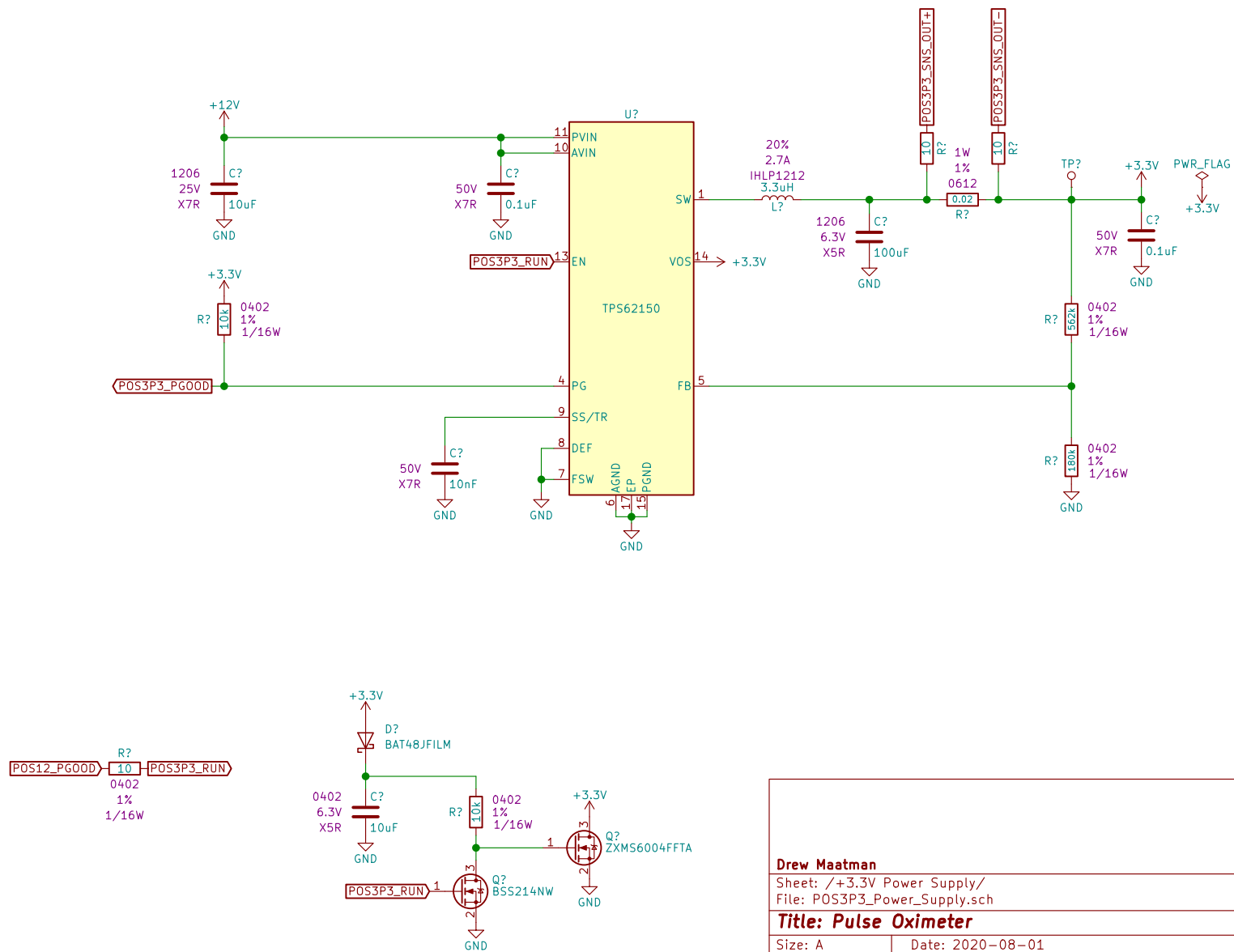
Drew Maatman

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: 3/23



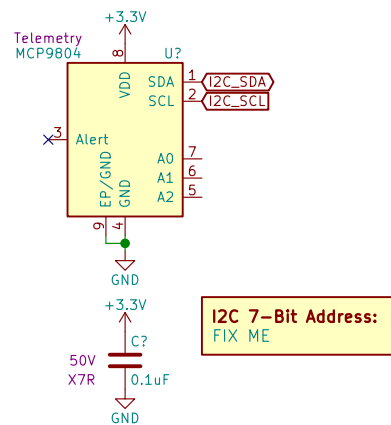
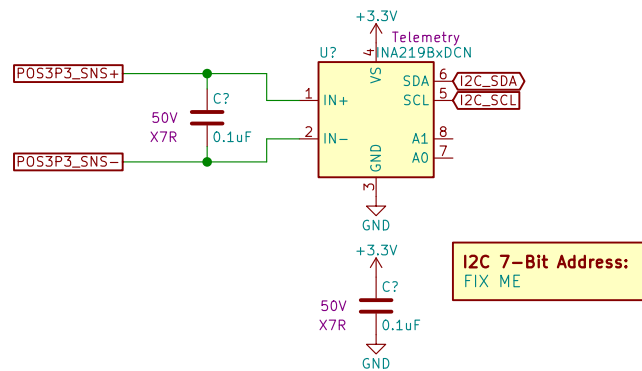
Drew Maatman

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: 4/23



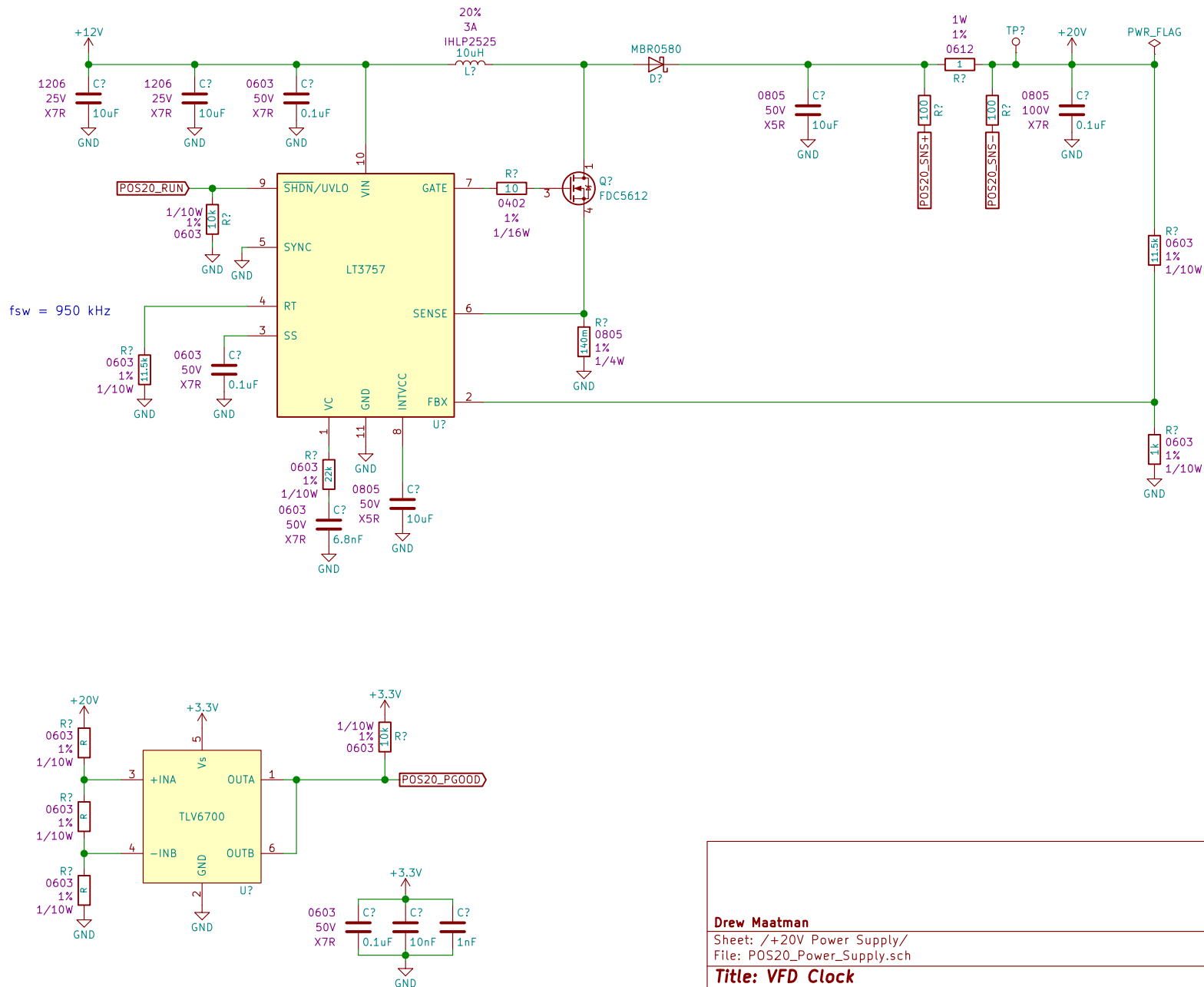
Drew Maatman

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: 5/23



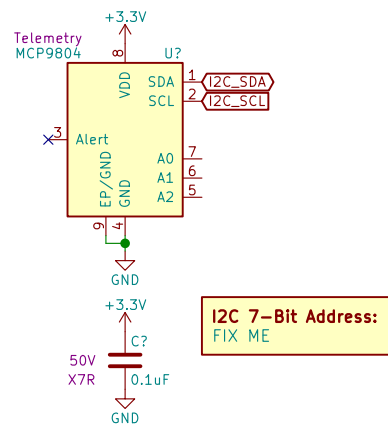
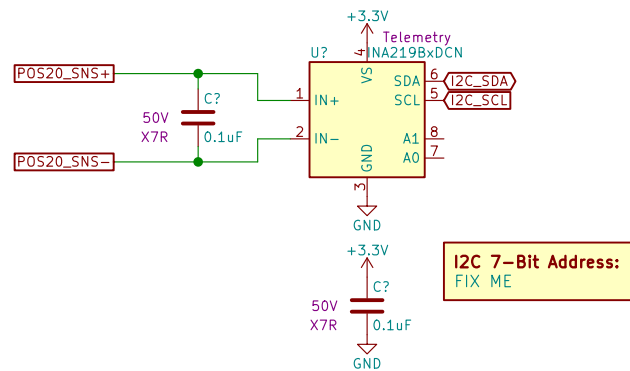
Drew Maatman

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

Title: VFD Clock

Size: A Date: 2019-04-11  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 6/23



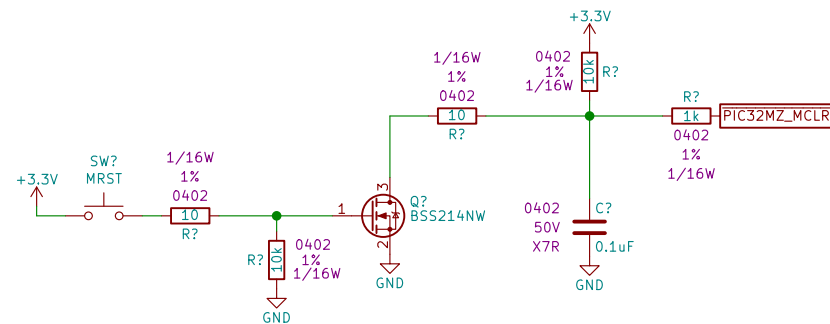
Drew Maatman

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

**Title: Pulse Oximeter**

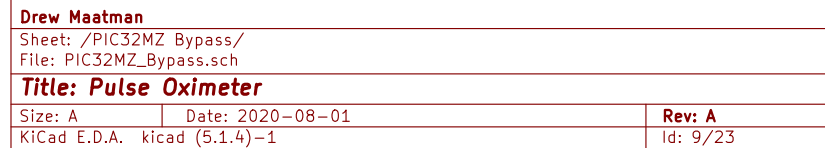
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KiCad E.D.A. kicad (5.1.4)-1

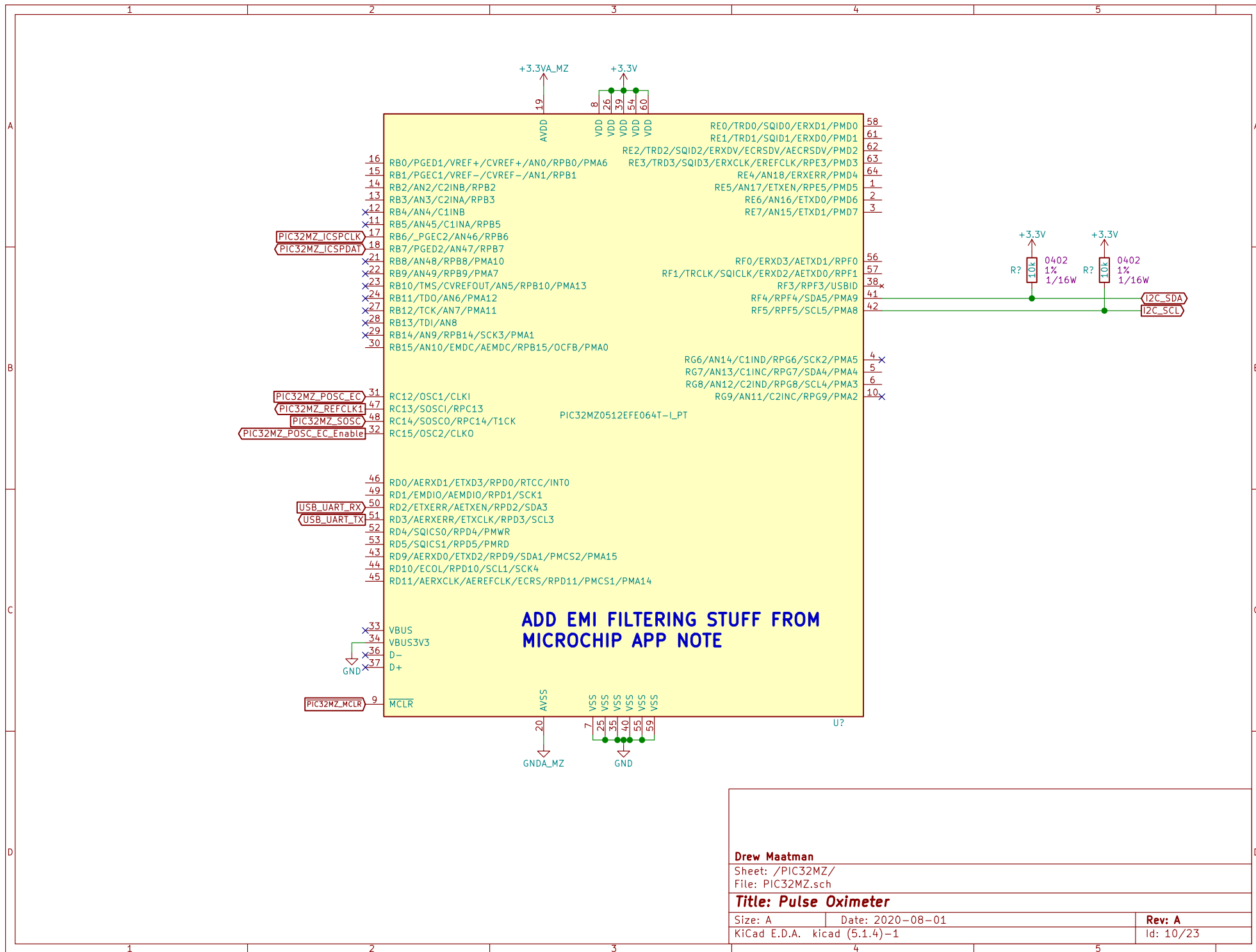
Rev: A  
Id: 7/23



Rev: A  
Id: 8/23







Drew Maatman

Sheet: /PIC32MZ/

File: PIC32MZ.sch

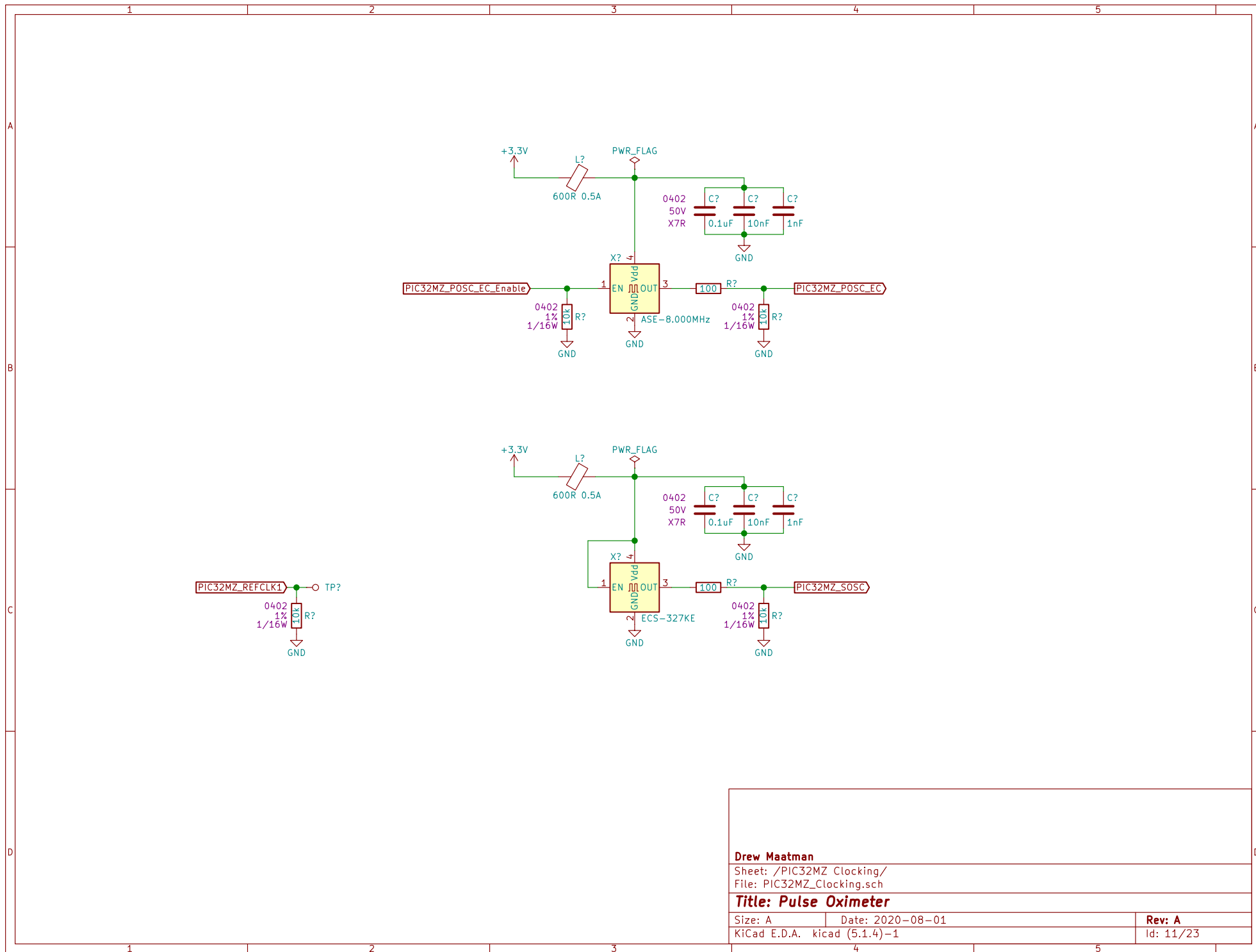
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Size: A Date: 2020-08-01

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

Rev: A

Id: 10/23



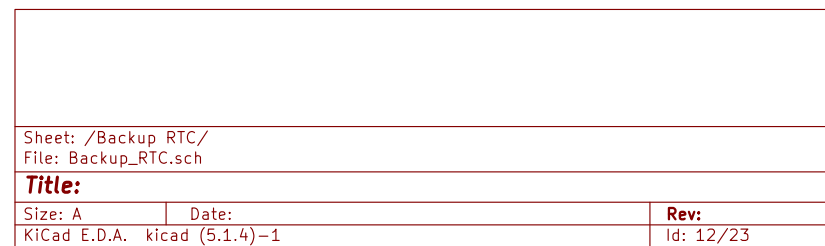
Drew Maatman

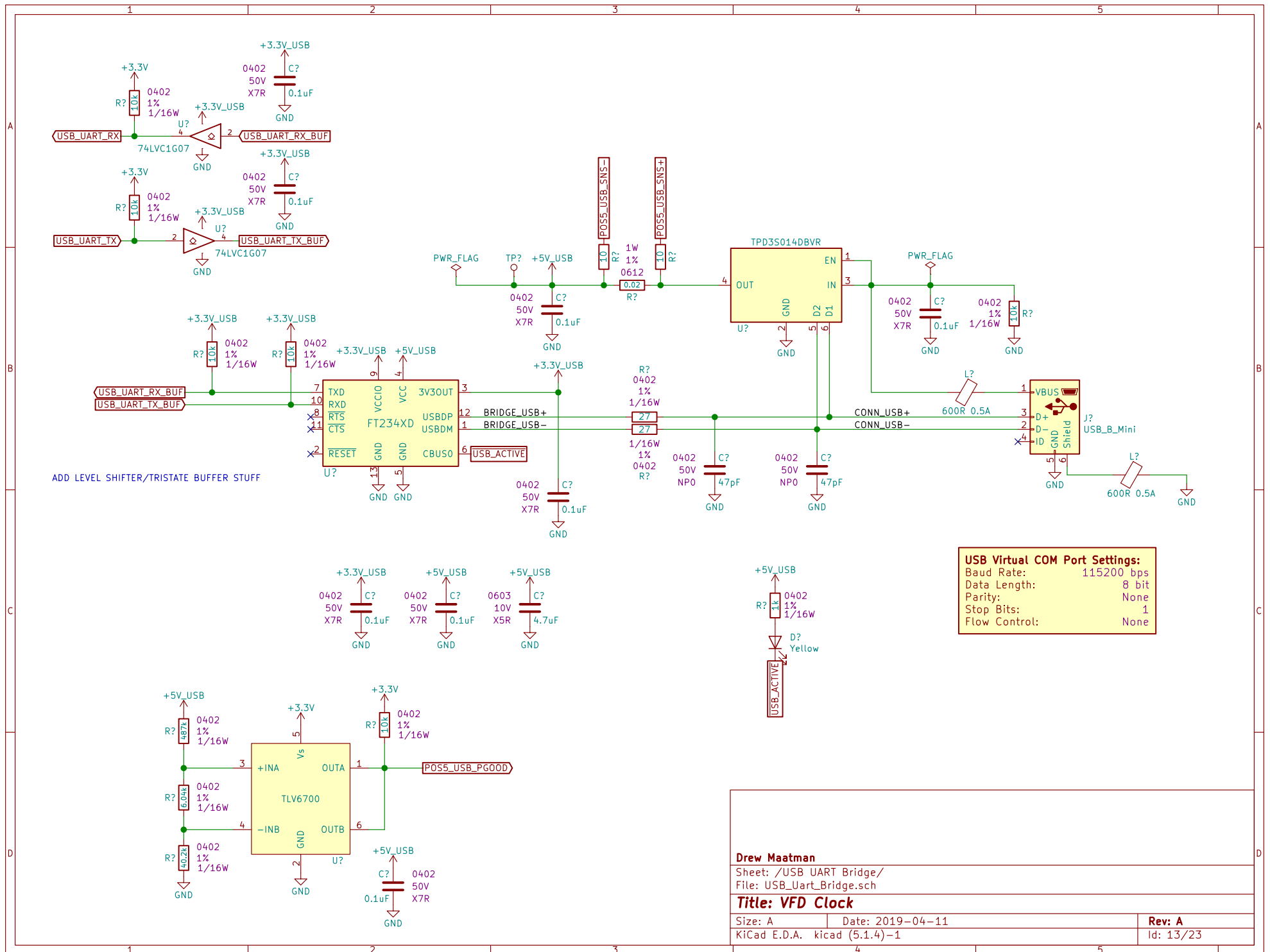
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File: PIC32MZ\_Clocking.sch

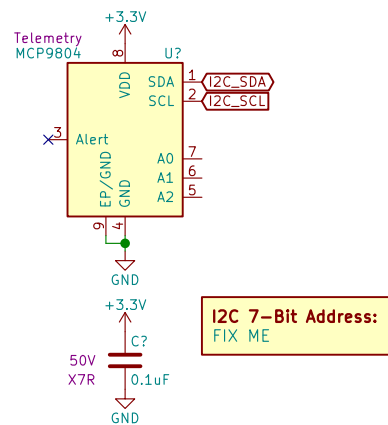
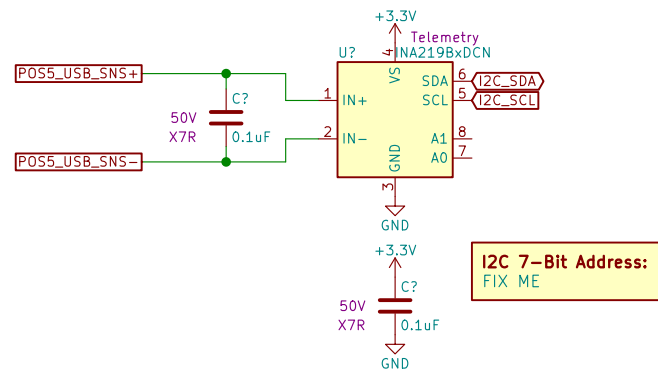
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Size: A Date: 2020-08-01  
KiCad E.D.A. kicad (5.1.4)-1

Rev: A  
Id: 11/23







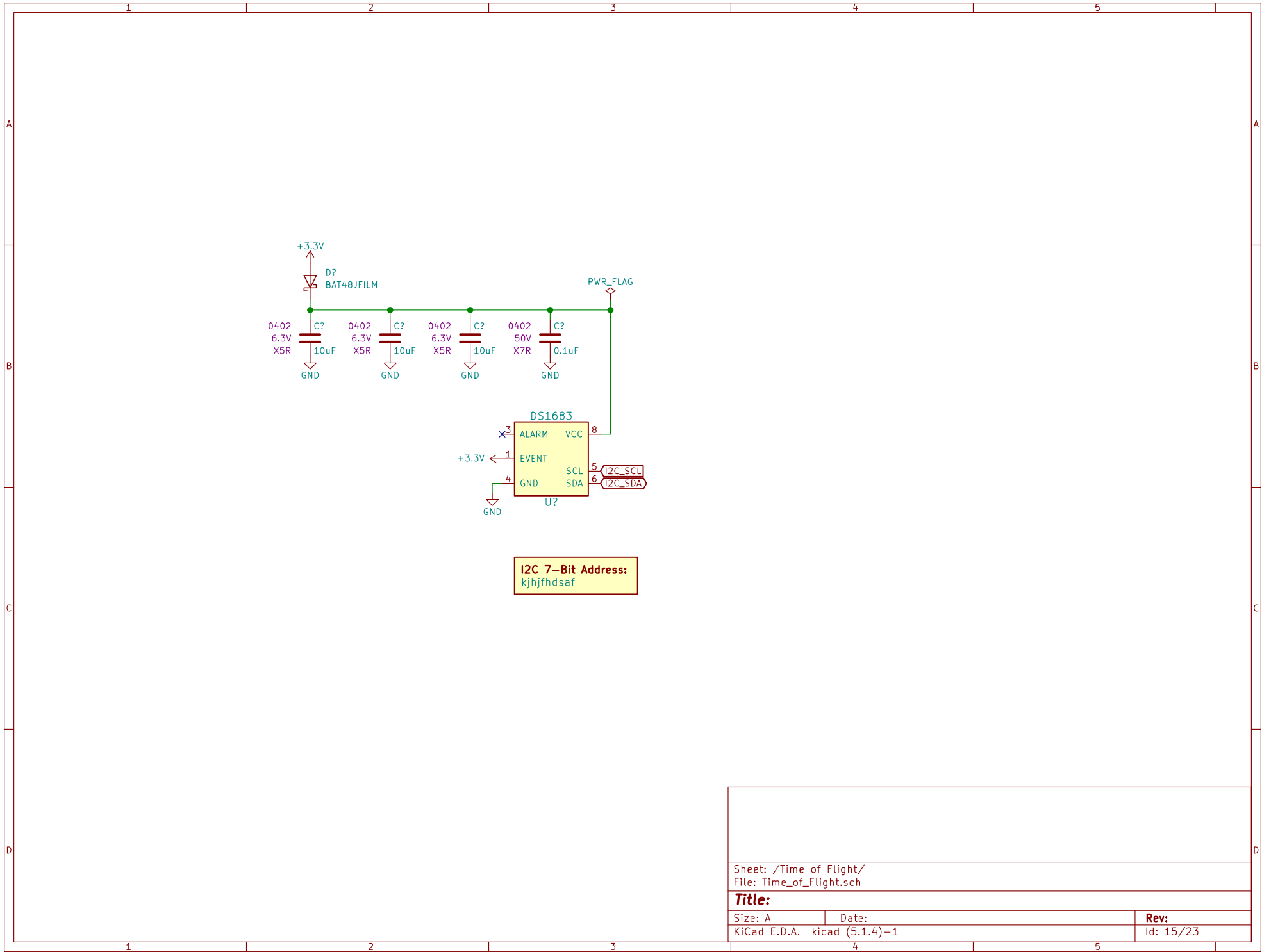
Drew Maatman

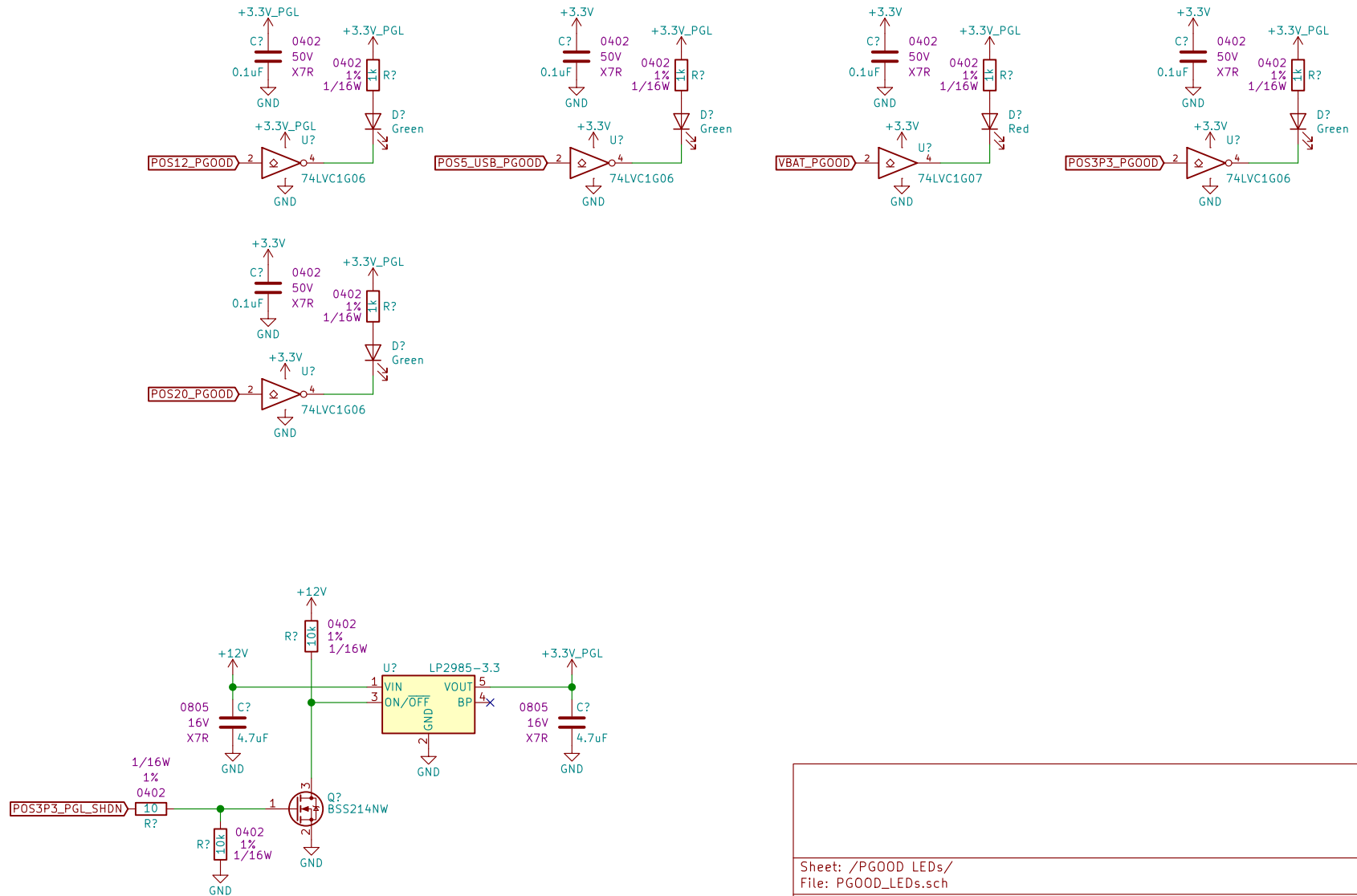
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File: USB\_Telemetry.sch

**Title: Pulse Oximeter**

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

Rev: A  
Id: 14/23





Sheet: /PG00D LEDs/  
File: PG00D\_LEDs.sch

# **Title:**

Size: A

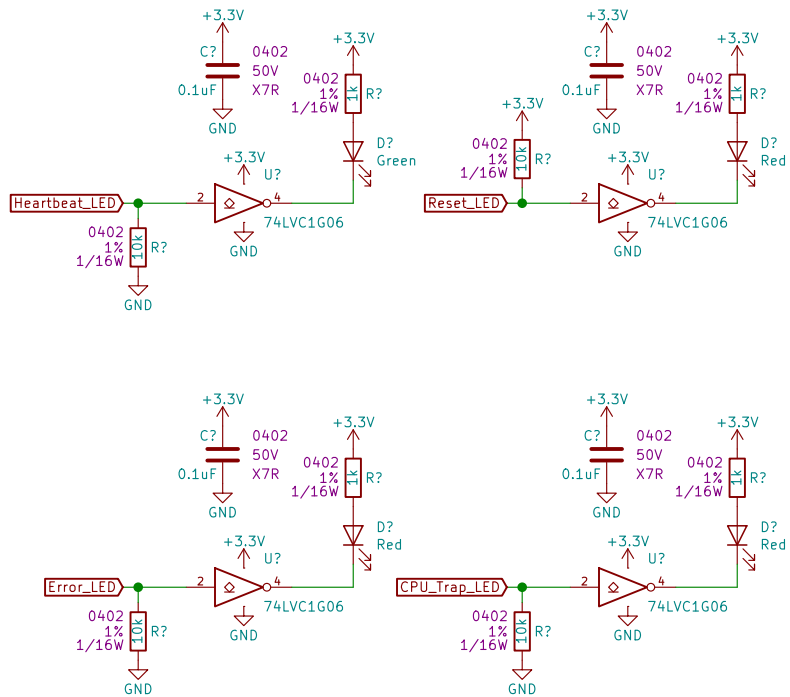
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KiCad E.D.A. kicad (5.1.4)-1

Rev:

Id: 16/23





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

**Title:**

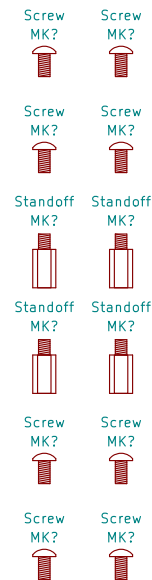
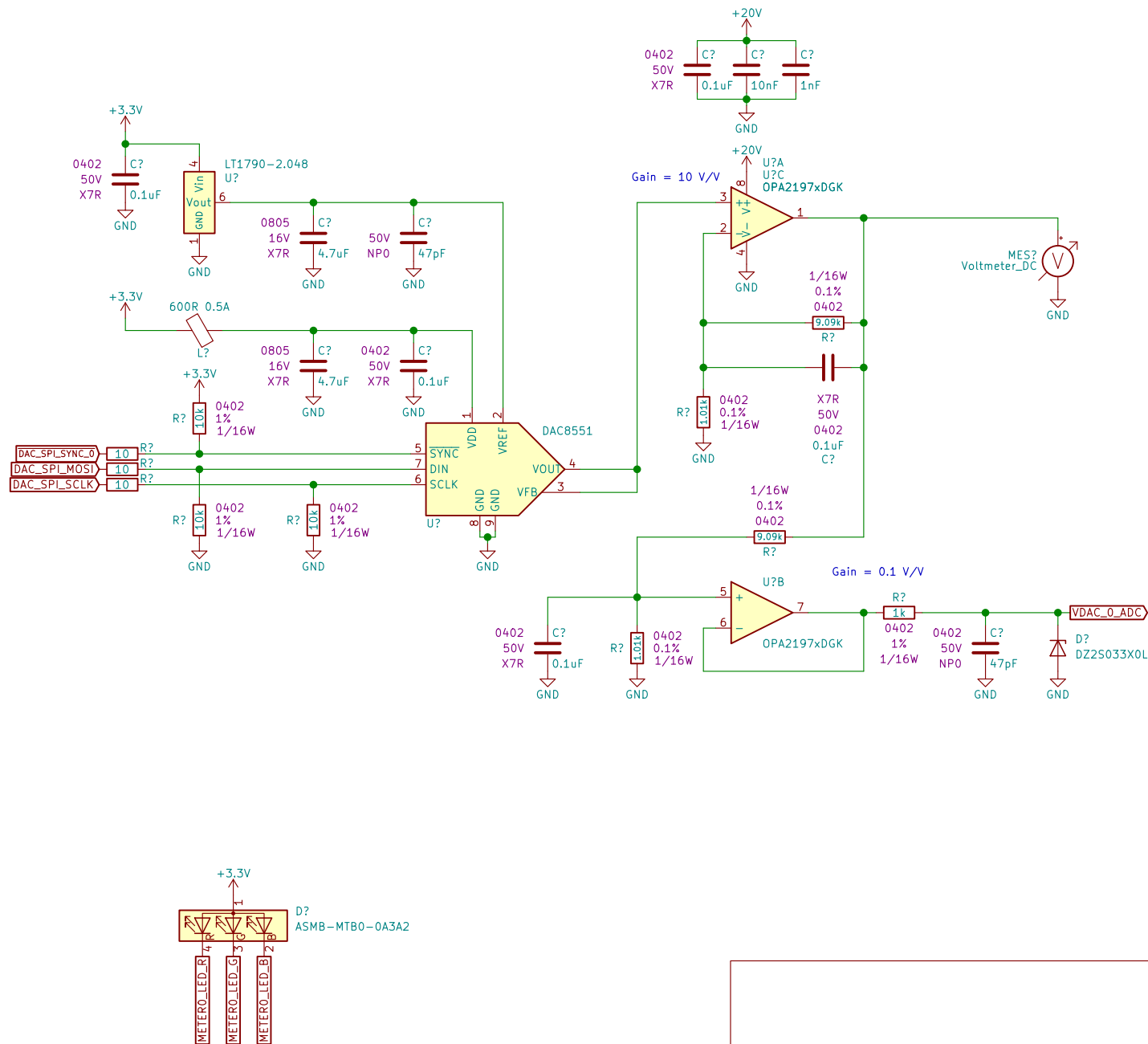
Size: A

Date:

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

**Rev:**

Id: 17/23



Sheet: /Meter0/ File: Meter0.sch		
<b>Title:</b>		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.1.4)-1		Id: 18/23

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

Sheet: /Meter1/  
File: Meter1.sch

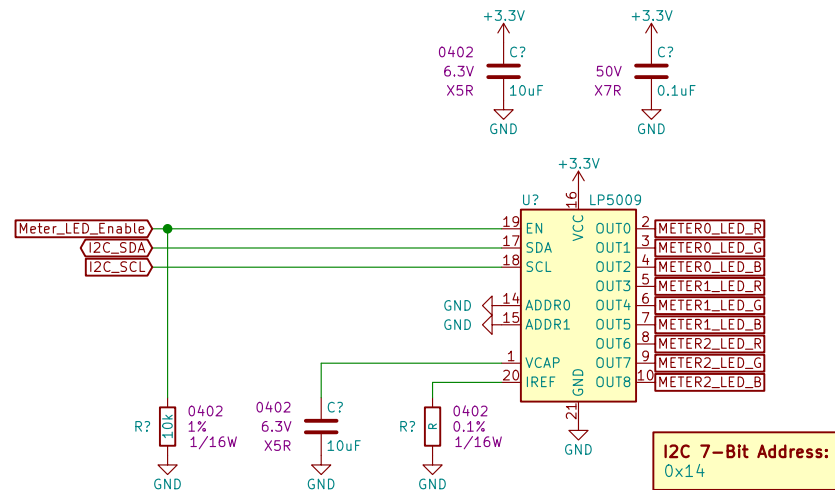
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Size: ADate:KICad E.D.A. kicad (5.1.4)–1

Rev:Id: 19/23

Sheet: /Meter1/ File: Meter1.sch		
<b>Title:</b>		
Size: A	Date:	Rev:
KiCad E.D.A.   kicad (5.1.4)–1		Id: 19/23





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

**Title:**

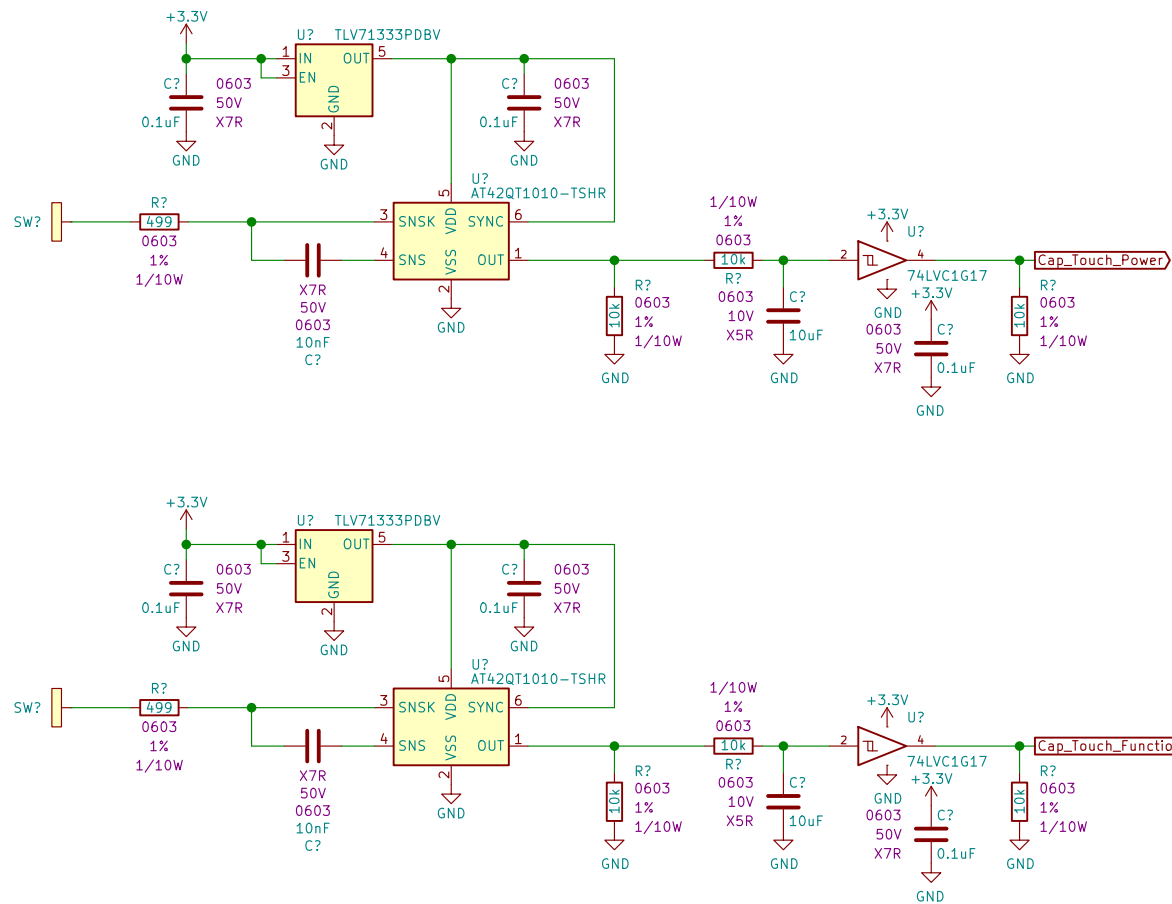
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Date:

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

**Rev:**

Id: 21/23



**Drew Maatman**

Sheet: /Pushbuttons/  
File: Pushbuttons.sch

**Title: Incrementor**

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

**Rev: A**  
Id: 22/23

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

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

Title:

Size: A

Date:

KiCad E.D.A.    kicad (5.1.4)–1

Rev:

Id: 23/23

Sheet: /Function LEDs/ File: Function_LEDs.sch																								
Title:																								
Size: A					Date:															Rev:				
KiCad E.D.A.    kicad (5.1.4)–1																				Id: 23/23				