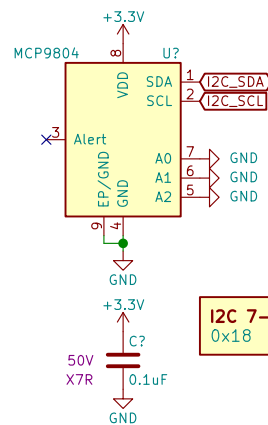
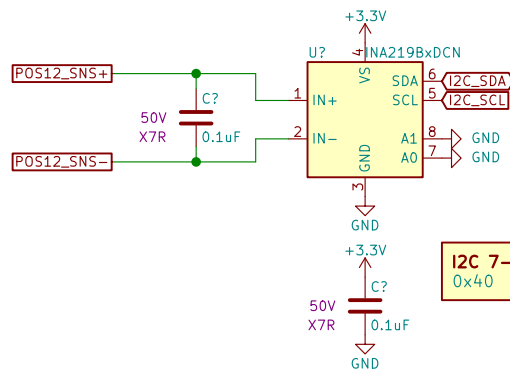


1	2	3	4	5
A	Sheet: +12V Input File: POS12_Input.sch Sheet: +12V Telemetry File: POS12_Telemetry.sch Sheet: +3.3V Power Supply File: POS3P3_Power_Supply.sch Sheet: +3.3V Telemetry File: POS3P3_Telemetry.sch Sheet: +1.8V Power Supply File: POS1P8_Power_Supply.sch Sheet: +1.8V Telemetry File: POS1P8_Telemetry.sch 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		
B				
C				
D				

Rev: A
Id: 2/20



Drew Maatman

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

Title: Pulse Oximeter

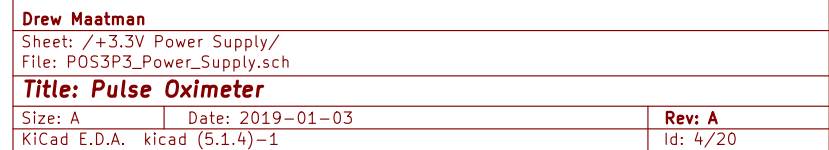
Size: A

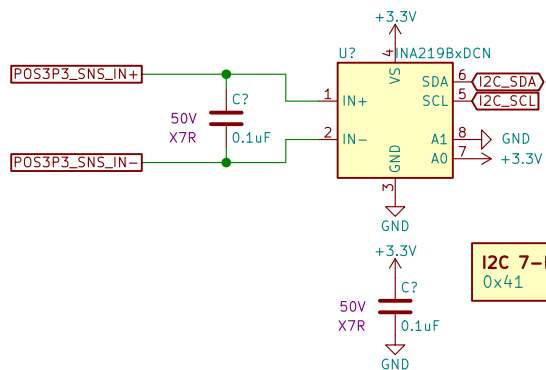
Date:

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

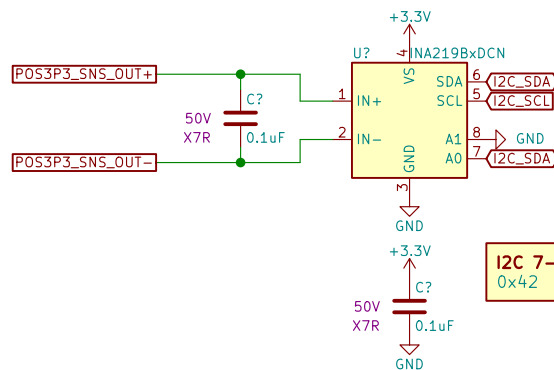
Rev: A

Id: 3/20

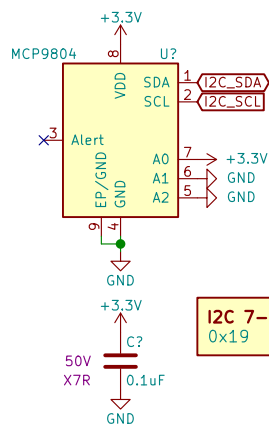




I2C 7-Bit Address:
0x41



I2C 7-Bit Address:
0x42



I2C 7-Bit Address:
0x19

Drew Maatman

Sheet: /+3.3V Telemetry/
File: POS3P3_Telemetry.sch

Title: Pulse Oximeter

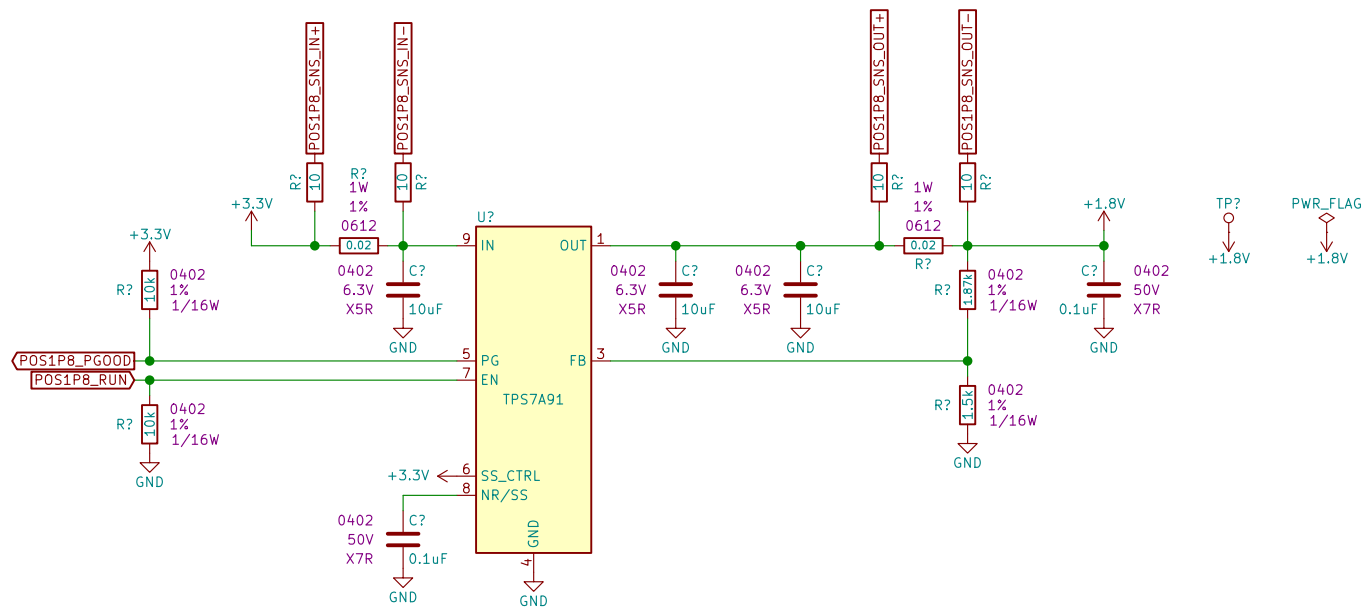
Size: A

Date:

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

Rev: A

Id: 5/20



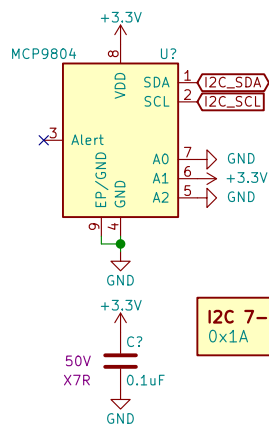
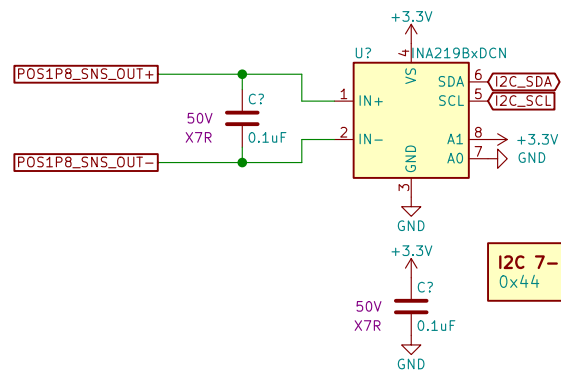
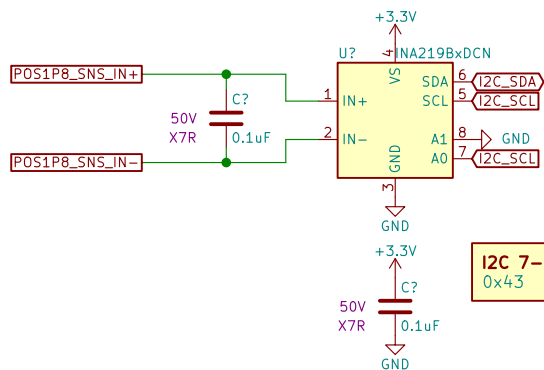
Drew Maatman

Sheet: /+1.8V Power Supply/
File: POS1P8_Power_Supply.sch

Title: Pulse Oximeter

Size: A Date: 2020-05-02
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 6/20



Drew Maatman

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

Title: Pulse Oximeter

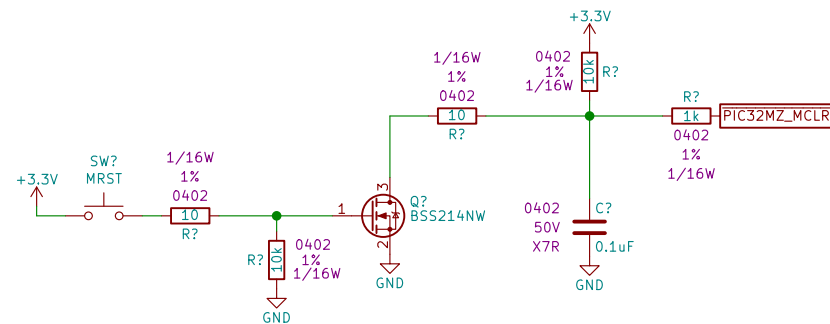
Size: A

Date:

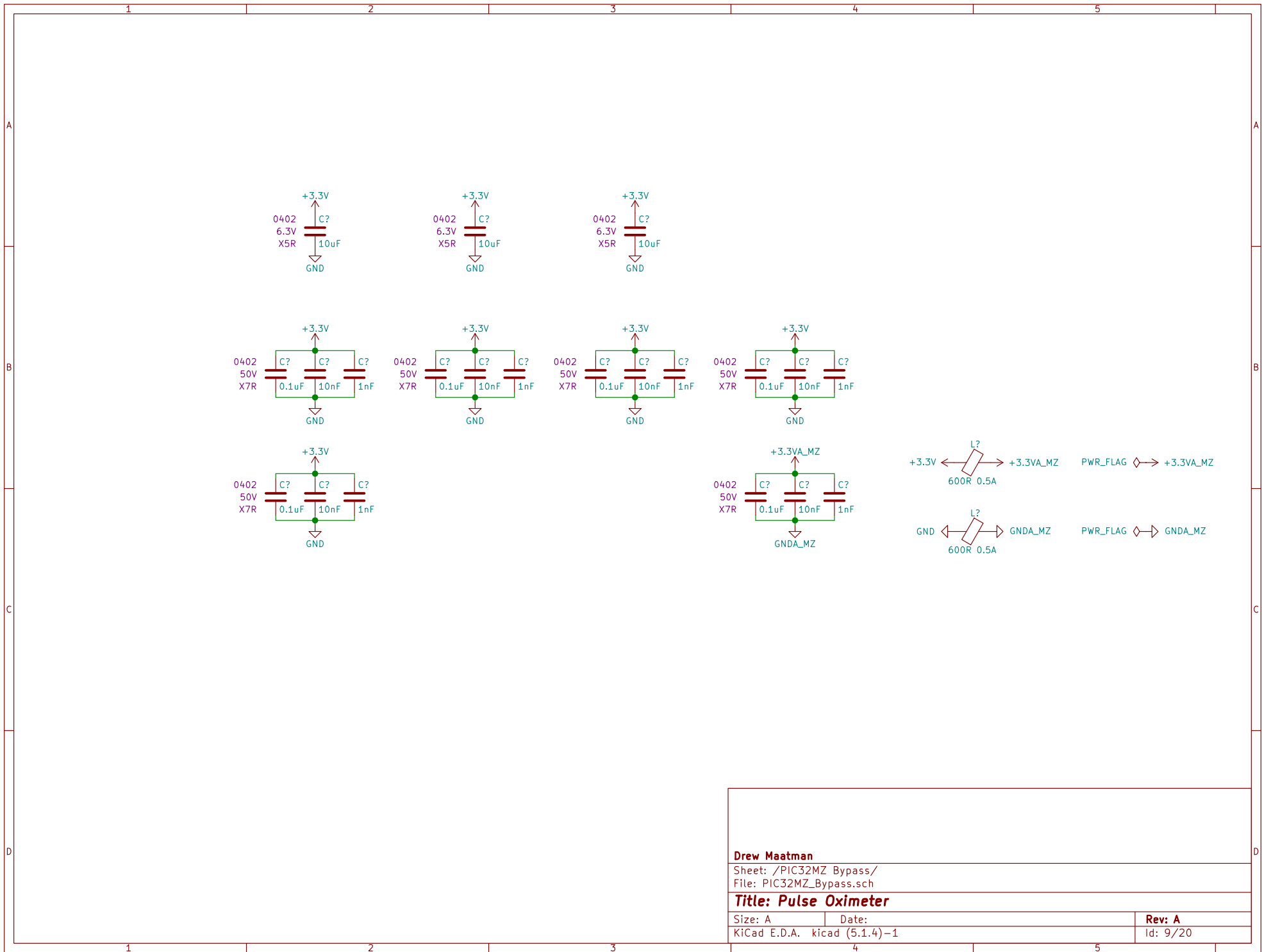
KiCad E.D.A. kicad (5.1.4)-1

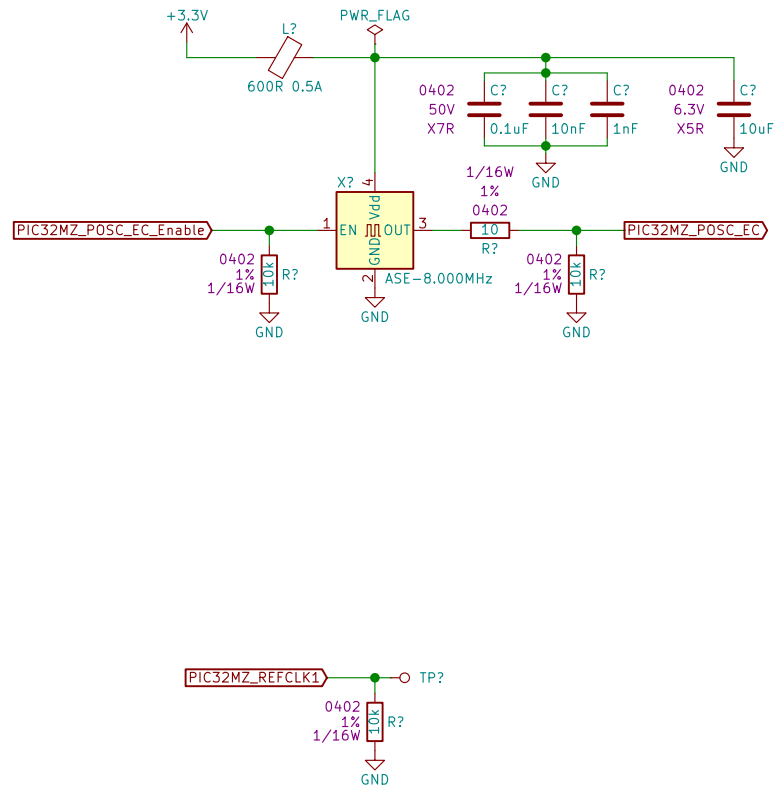
Rev: A

Id: 7/20



Rev: A
Id: 8/20





Drew Maatman

Sheet: /PIC32MZ Clocking/
File: PIC32MZ_Clocking.sch

Title: Pulse Oximeter

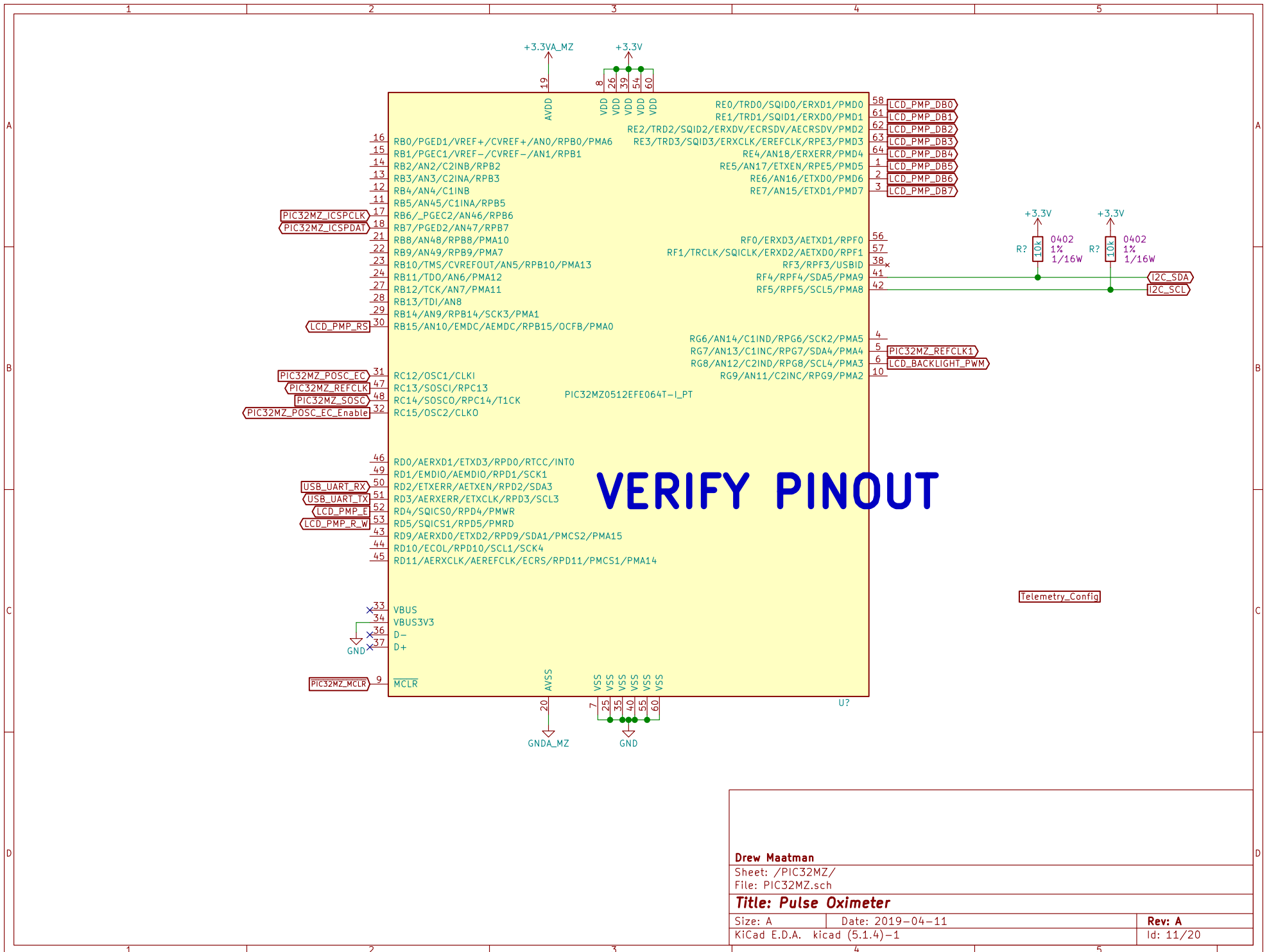
Size: A

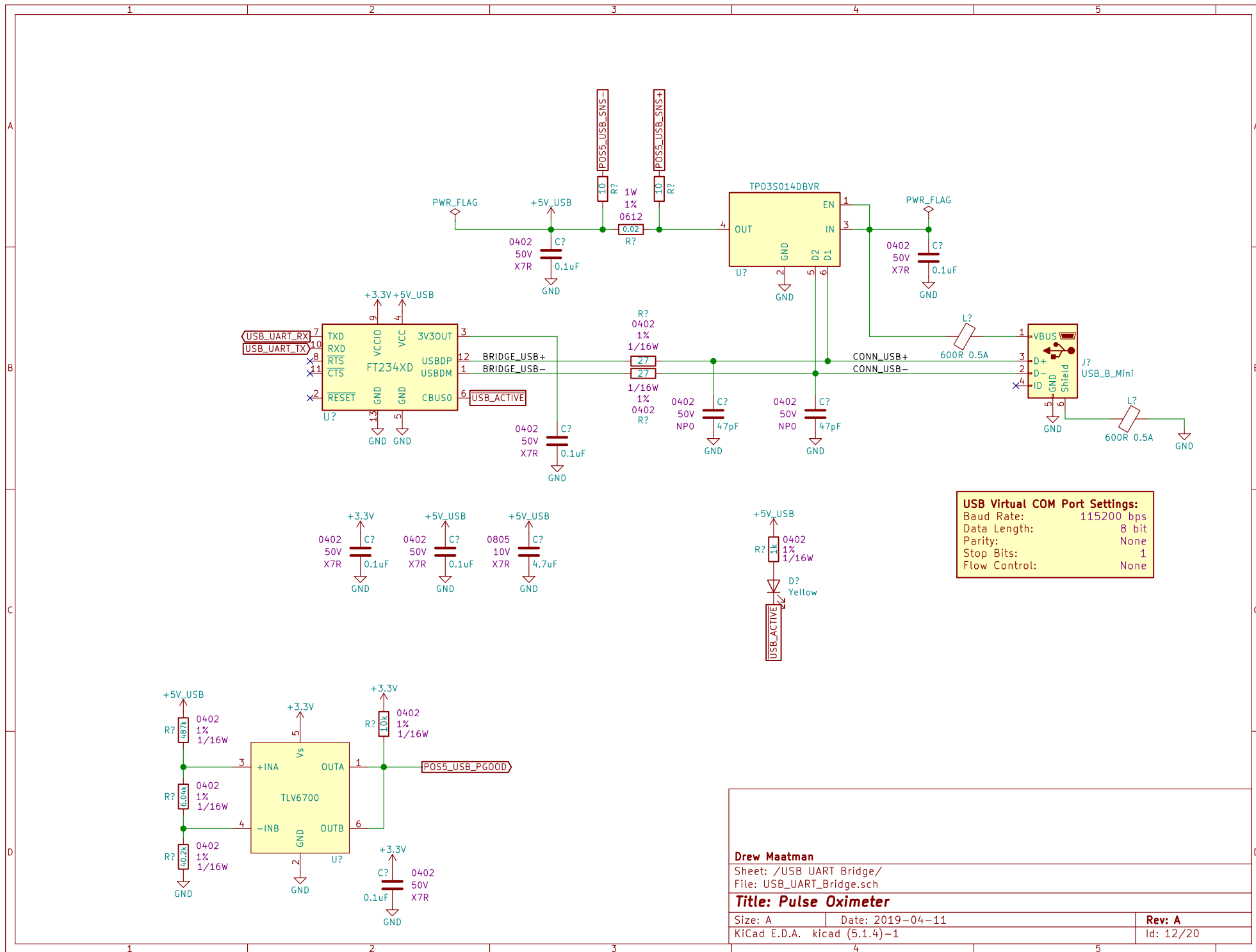
Date:

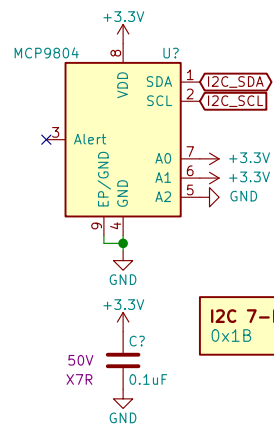
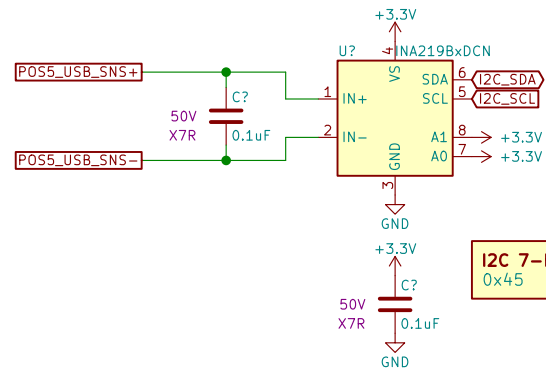
KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 10/20







Drew Maatman

Sheet: /USB Telemetry/
File: USB_Telemetry.sch

Title: Pulse Oximeter

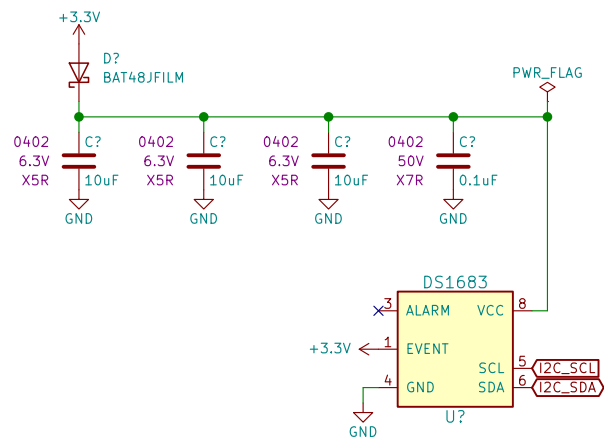
Size: A

Date:

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

Rev: A

Id: 13/20



I2C 7-Bit Address:
0x6B

Drew Maatman

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

Title: Pulse Oximeter

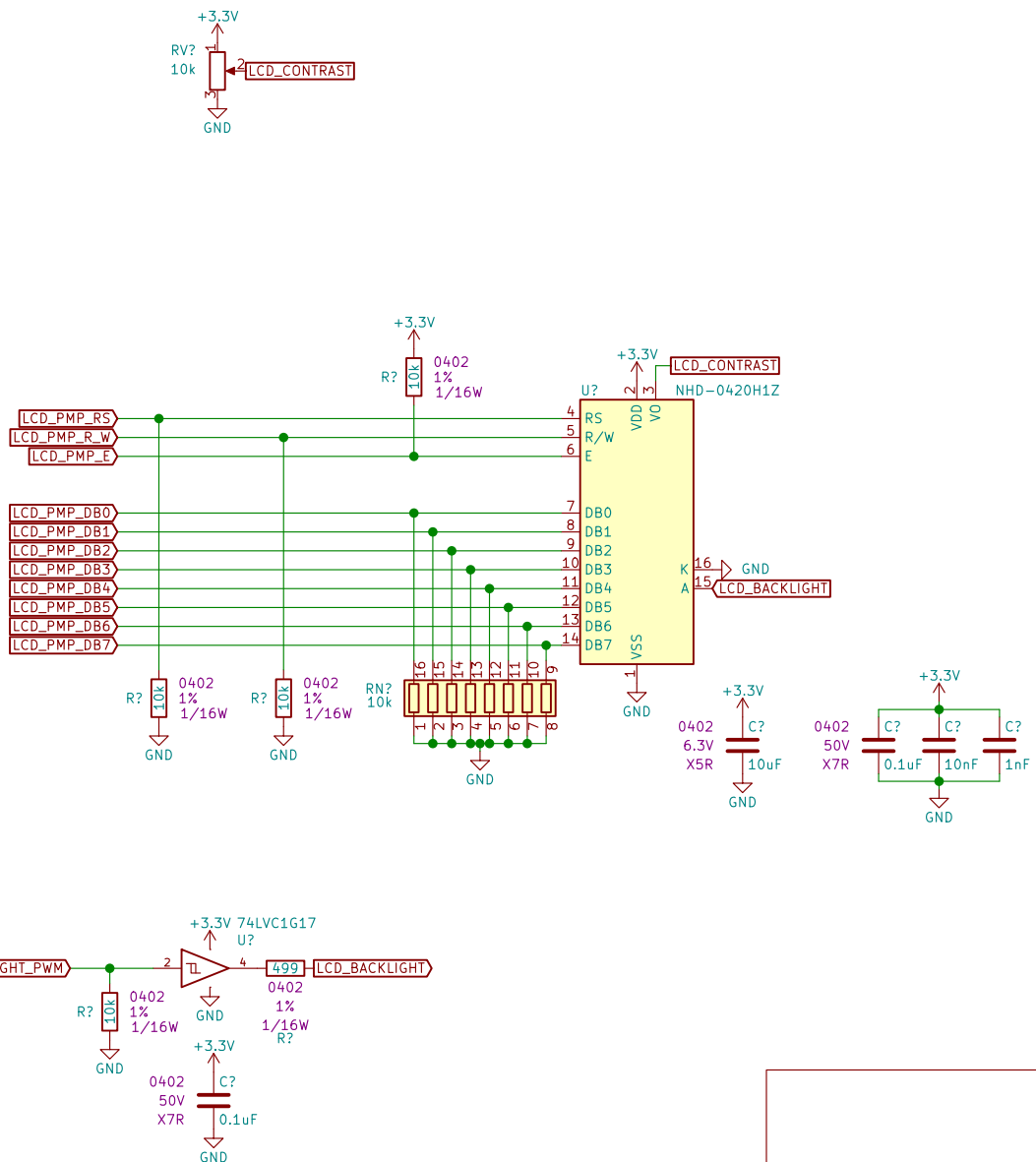
Size: A

Date:

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

Rev: A

Id: 14/20



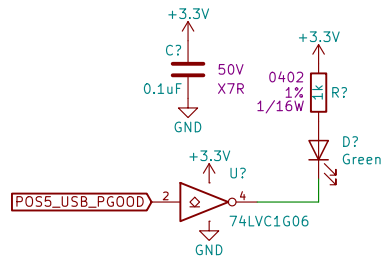
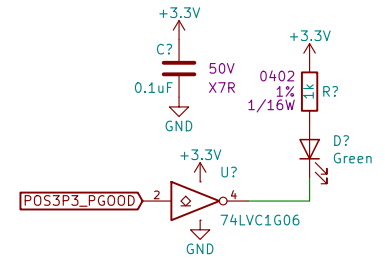
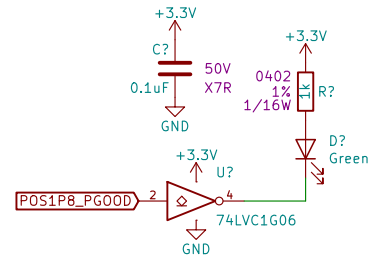
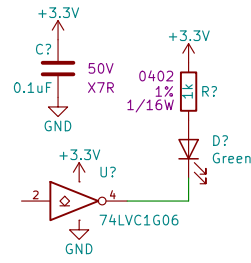
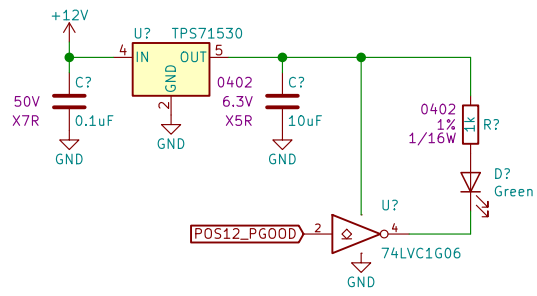
Drew Maatman

Sheet: /Display/
File: Display.sch

Title: Pulse Oximeter

Size: A Date: 2020-05-02
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 16/20



Drew Maatman

Sheet: /PGOOD LEDs/
File: PGOOD_LEDs.sch

Title: Pulse Oximeter

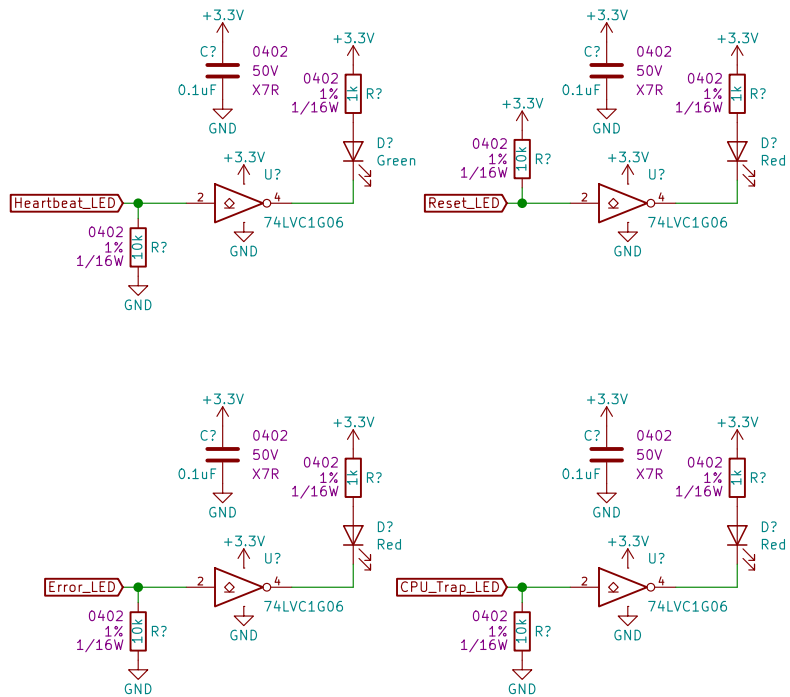
Size: A

Date:

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

Rev: A

Id: 18/20



Drew Maatman

Sheet: /Status LEDs/
File: Status_LEDs.sch

Title: Pulse Oximeter

Size: A

Date:

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

Rev: A

Id: 19/20

Id: 20/20