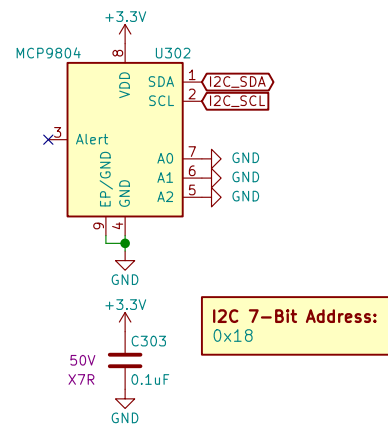
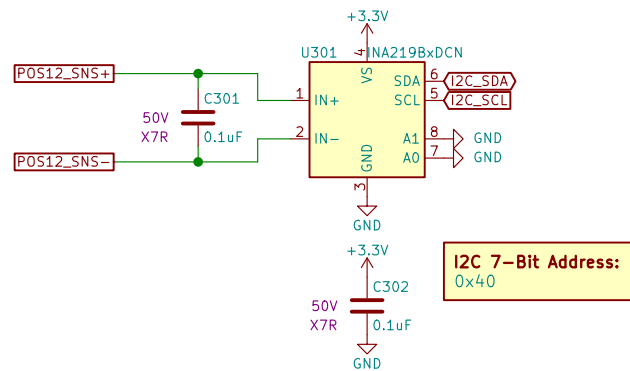


Sheet: +12V Input
File: POS12_Input.sch
Sheet: +12V Telemetry
File: POS12_Telemetry.sch
Sheet: +3.3V Power Supply
File: POS3P3_Power_Supply.sch
Sheet: +3.3V Telemetry
File: POS3P3_Telemetry.sch
Sheet: +1.8V Power Supply
File: POS1P8_Power_Supply.sch
Sheet: +1.8V Telemetry
File: POS1P8_Telemetry.sch
Sheet: 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: PGOOD LEDs
File: PGOOD_LEDs.sch
Sheet: Status LEDs
File: Status_LEDs.sch
Sheet: Misc Circuits
File: Misc_Circuits.sch
Sheet: Backup RTC
File: Backup_RTC.sch
Sheet: SD Card Slot
File: SD_Card_Slot.sch
Sheet: Mechanical
File: Mechanical.sch

Rev: A
Id: 2/23



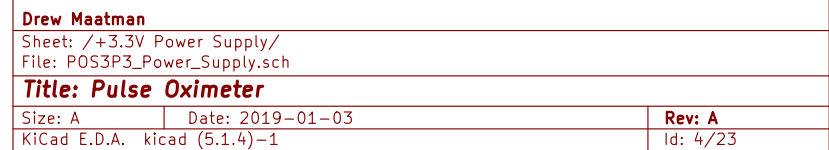
Drew Maatman

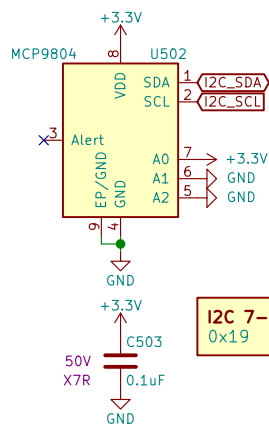
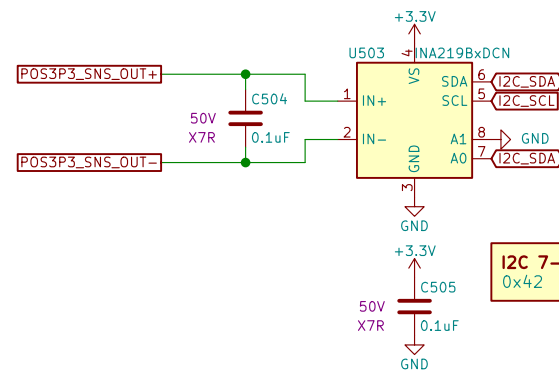
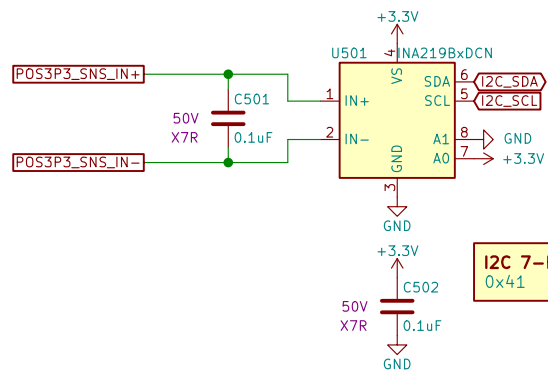
Sheet: /+12V Telemetry/
File: POS12_Telemetry.sch

Title: Pulse Oximeter

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

Rev: A
Id: 3/23





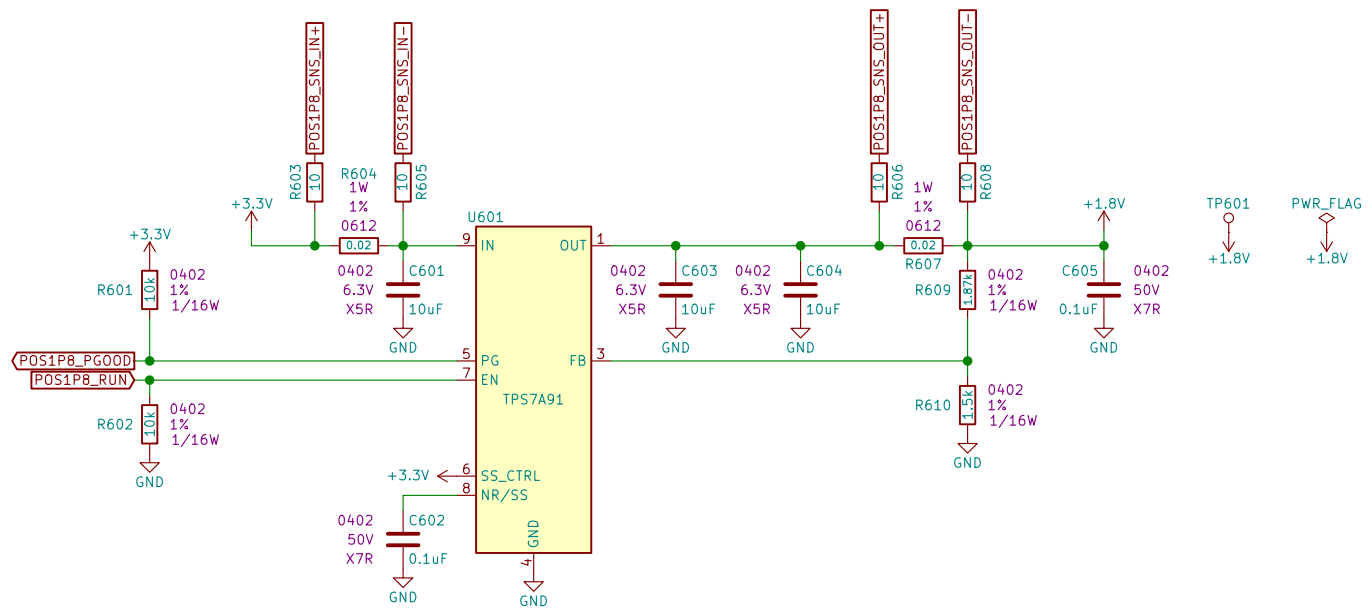
Drew Maatman

Sheet: /+3.3V Telemetry/
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: 5/23



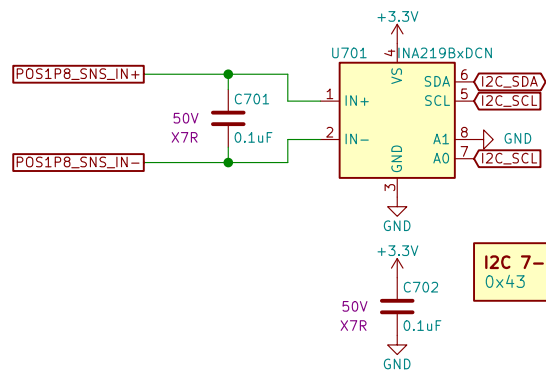
Drew Maatman

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

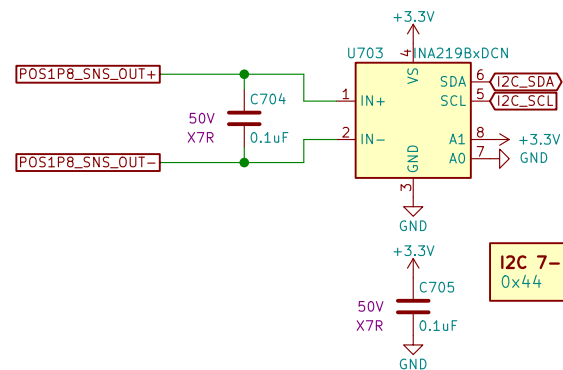
Title: Pulse Oximeter

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

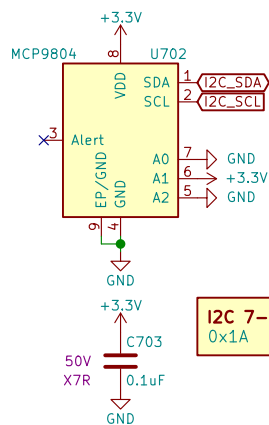
Rev: A
Id: 6/23



I2C 7-Bit Address:
0x43



I2C 7-Bit Address:
0x44



I2C 7-Bit Address:
0x1A

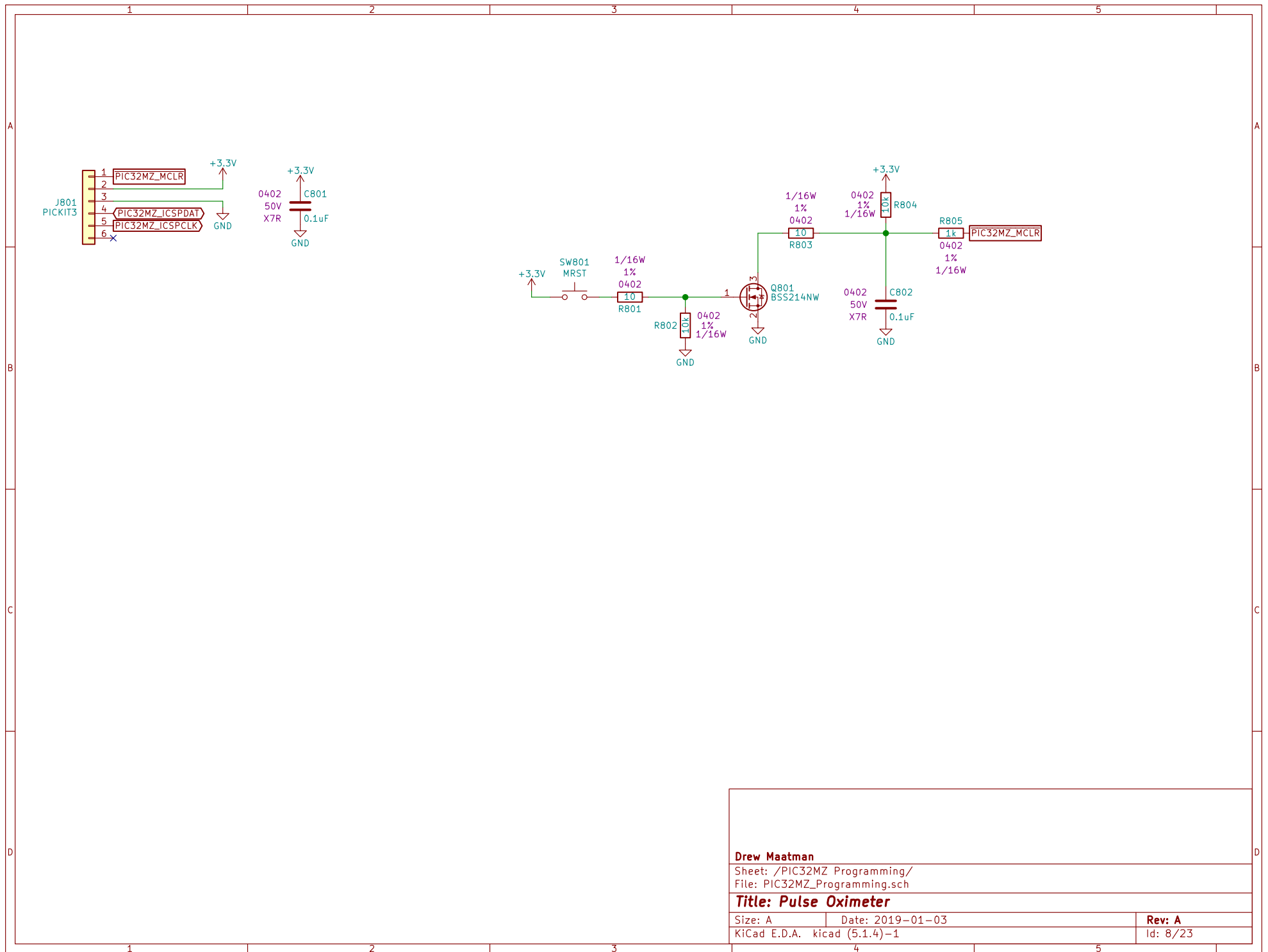
Drew Maatman

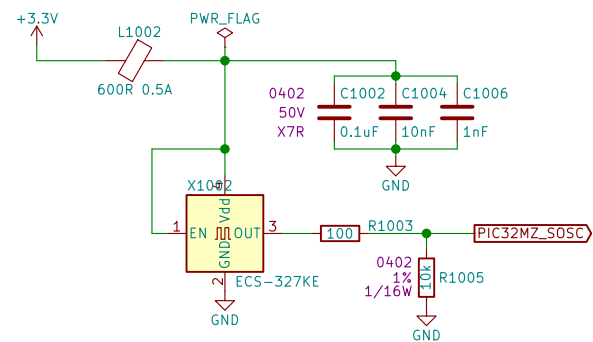
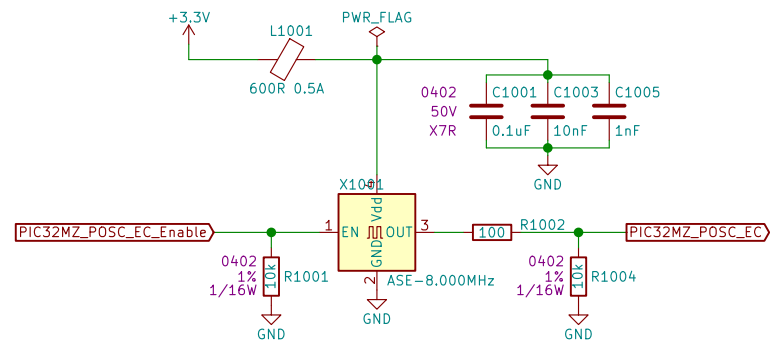
Sheet: //+1.8V Telemetry/
File: POS1P8_Telemetry.sch

Title: Pulse Oximeter

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

Rev: A
Id: 7/23





Drew Maatman

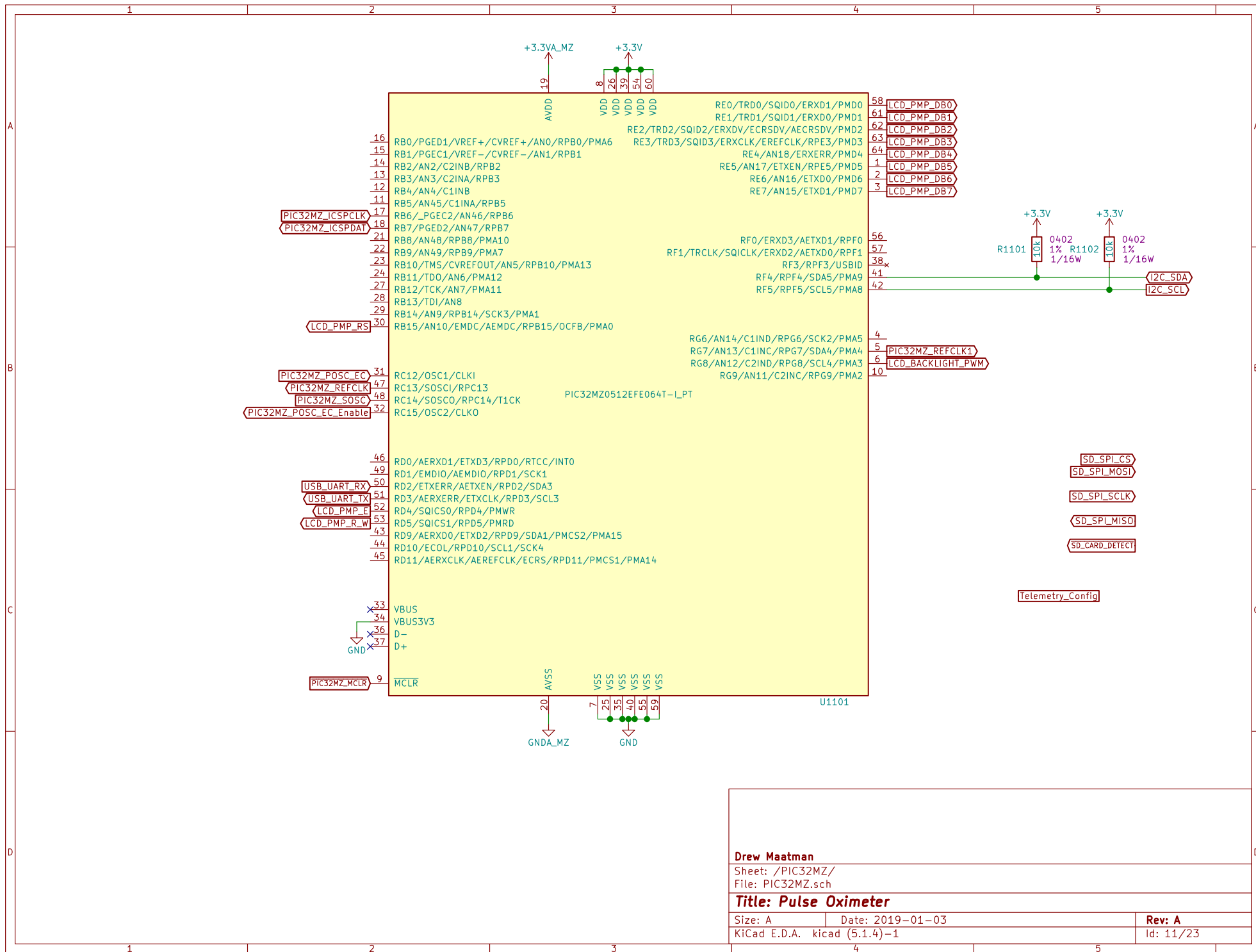
Sheet: /PIC32MZ_Clocking/
File: PIC32MZ_Clocking.sch

Title: Pulse Oximeter

Size: A	Date: 2019-01-03
---------	------------------

Size: 7	Date: 2019
KiCad E.D.A.	kiCad (5.1.4)-1

Rev: A
Id: 10/23



Drew Maatman

Sheet: /PIC32MZ/

File: PIC32MZ.sch

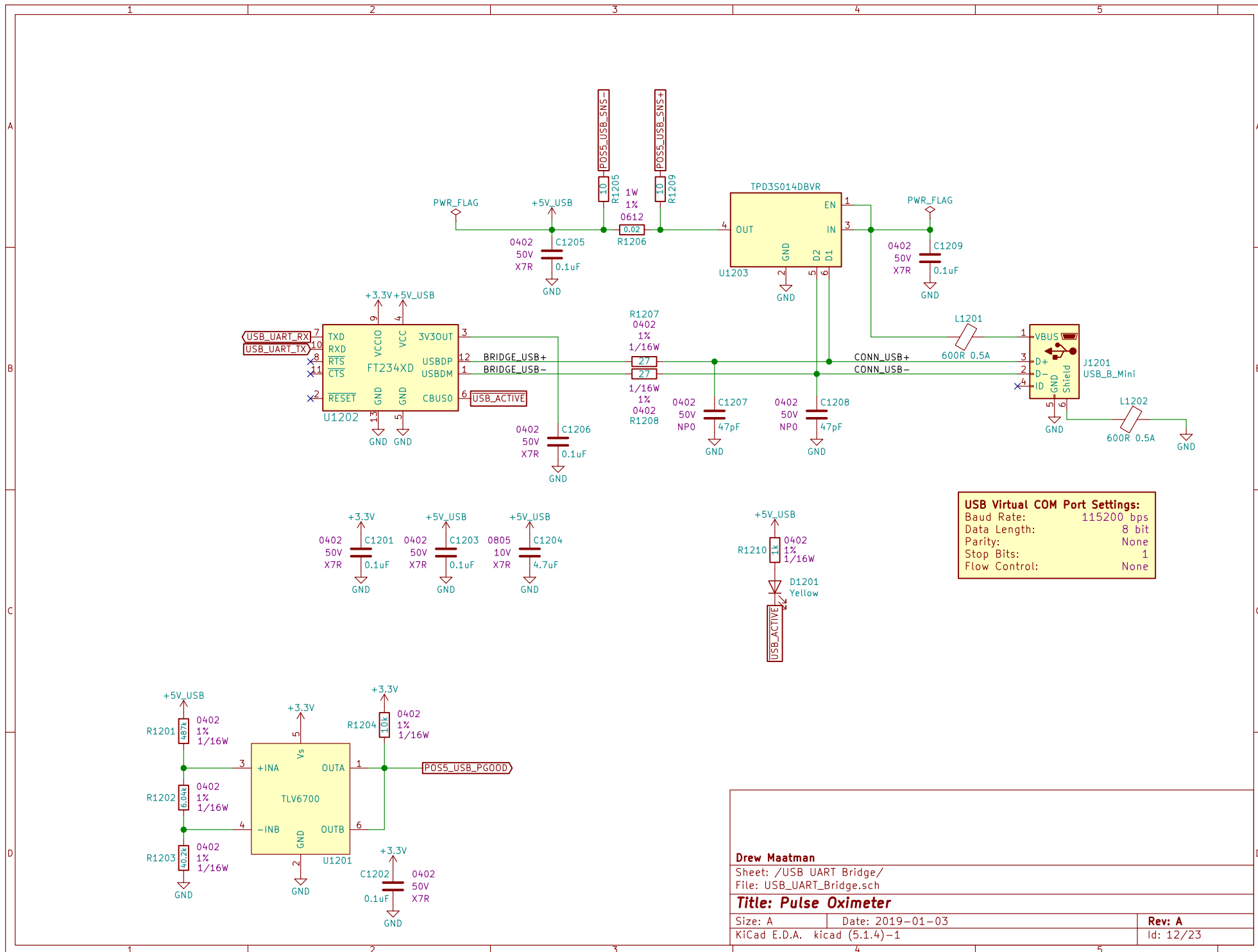
Title: Pulse Oximeter

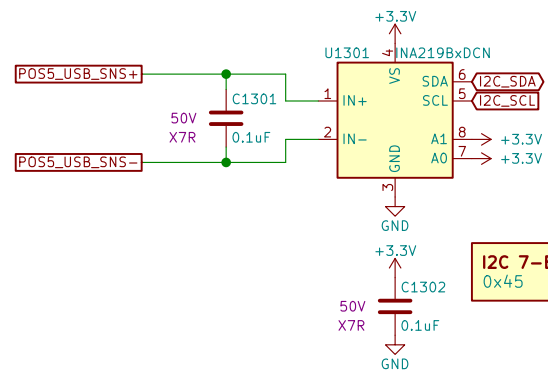
Size: A Date: 2019-01-03

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

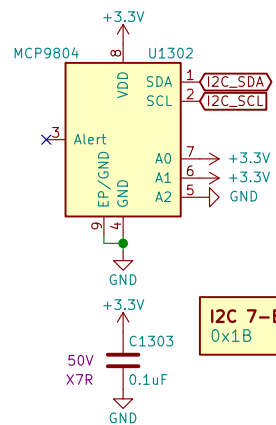
Rev: A

Id: 11/23





I2C 7-Bit Address:
0x45



I2C 7-Bit Address:
0x1B

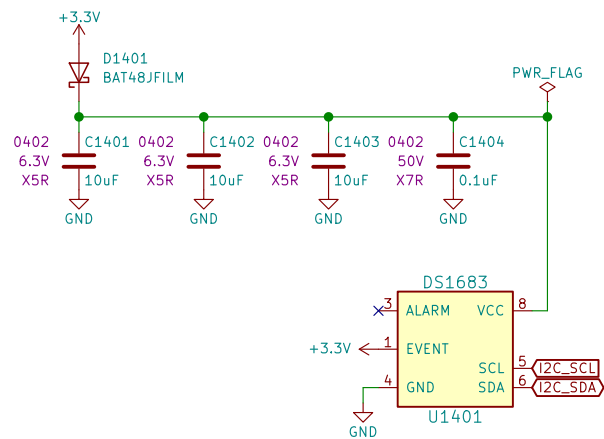
Drew Maatman

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: 13/23



I2C 7-Bit Address:
0x6B

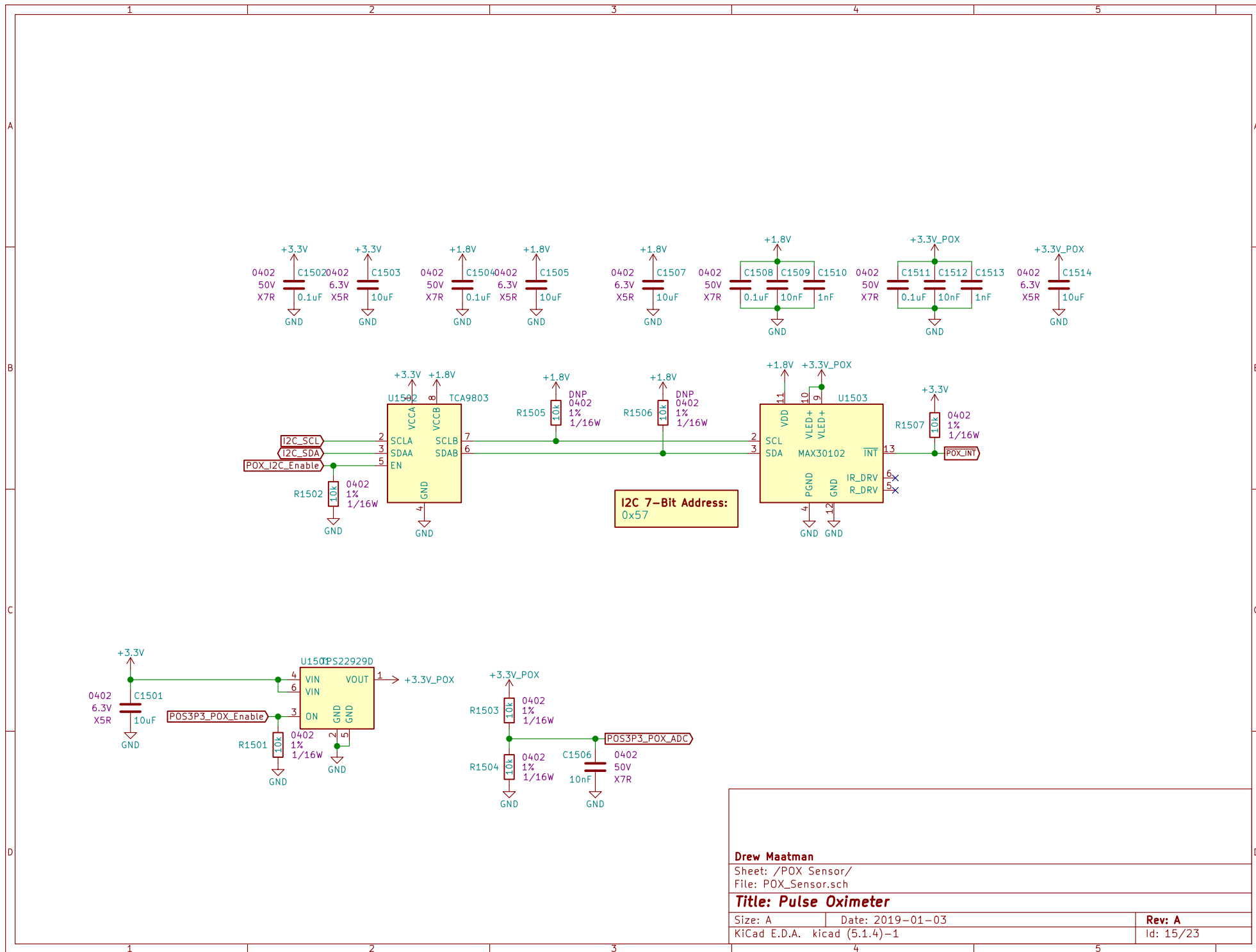
Drew Maatman

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: 14/23



Drew Maatman

Sheet: /POX Sensor/
File: POX_Sensor.sch

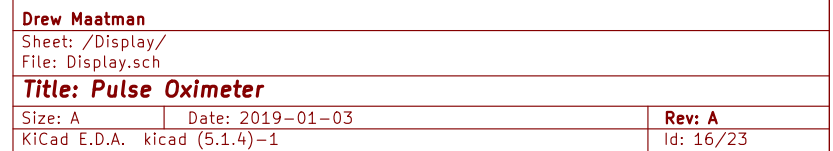
Title: Pulse Oximeter

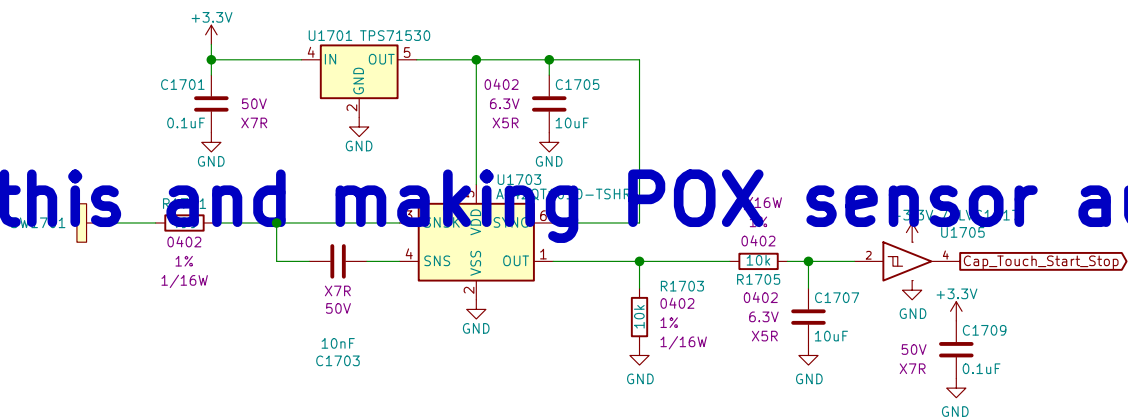
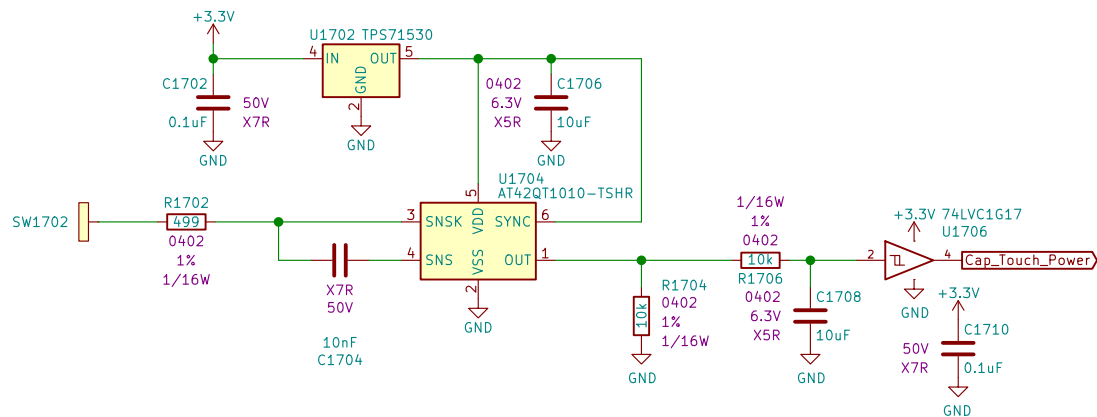
Size: A Date: 2019-01-03

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

Rev: A

Id: 15/23





Drew Maatman

Sheet: /Pushbuttons/
File: Pushbuttons.sch

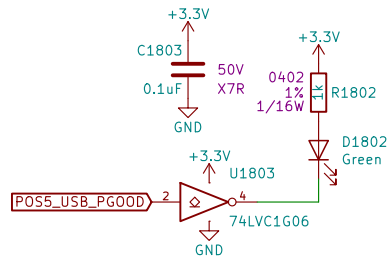
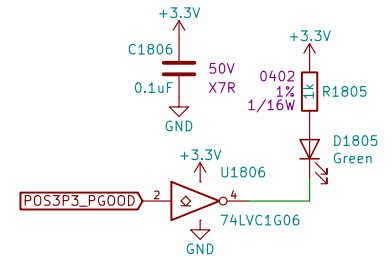
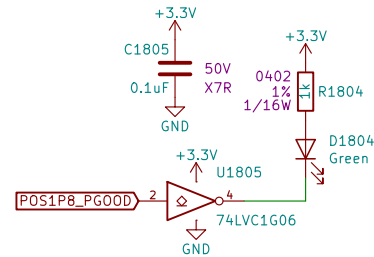
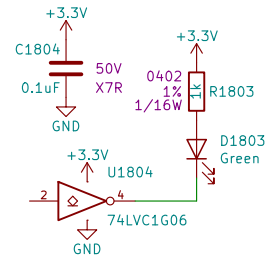
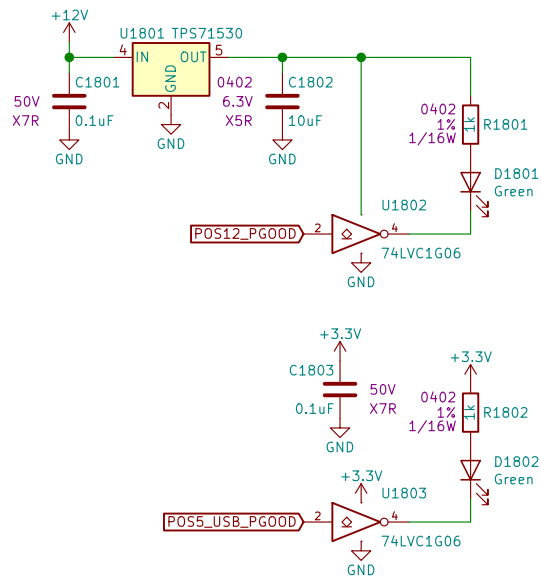
Title: Pulse Oximeter

Size: A Date: 2019-01-03

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

Rev: A

Id: 17/23



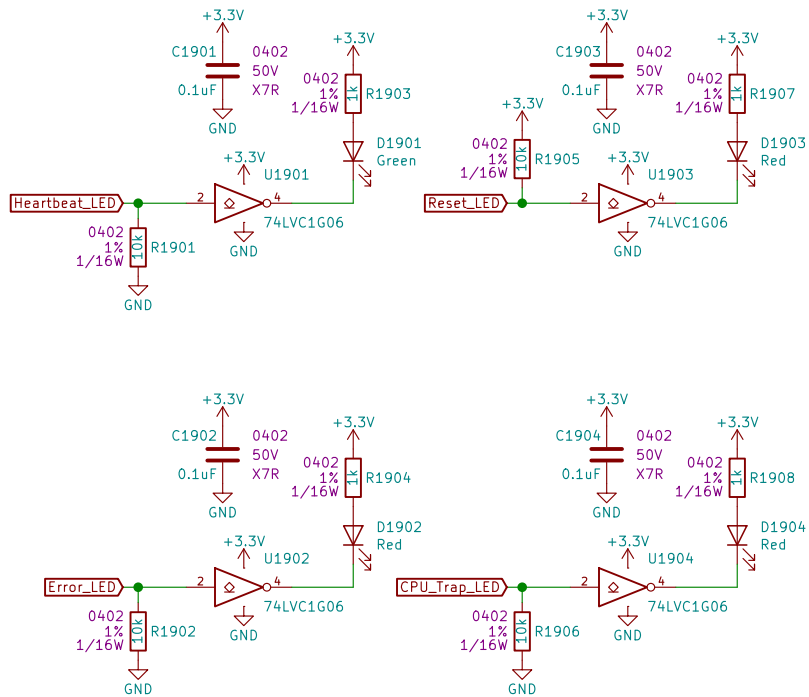
Drew Maatman

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: 18/23



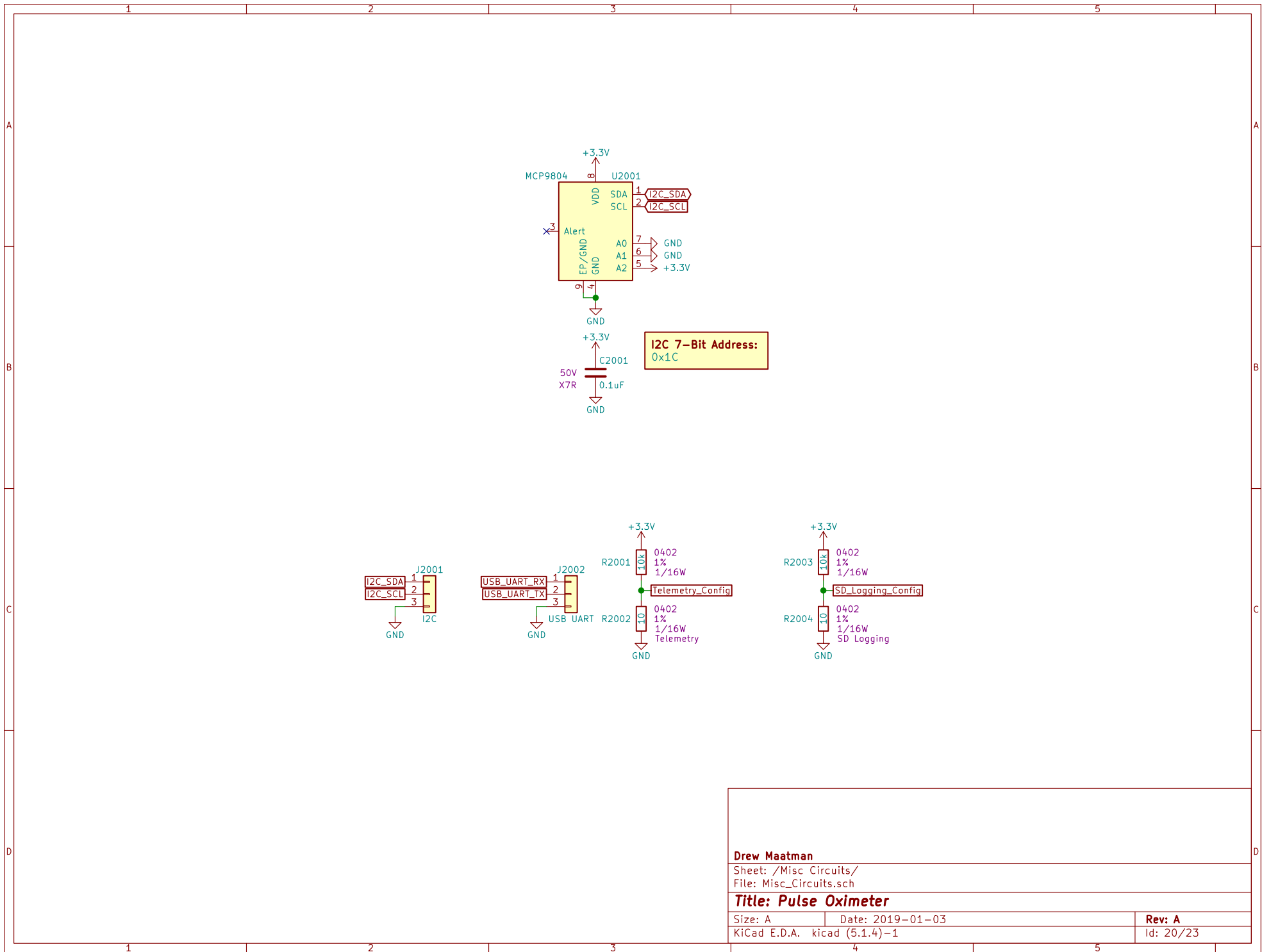
Drew Maatman

Sheet: /Status_LEDs/
File: Status_LEDs.sch

Title: Pulse Oximeter

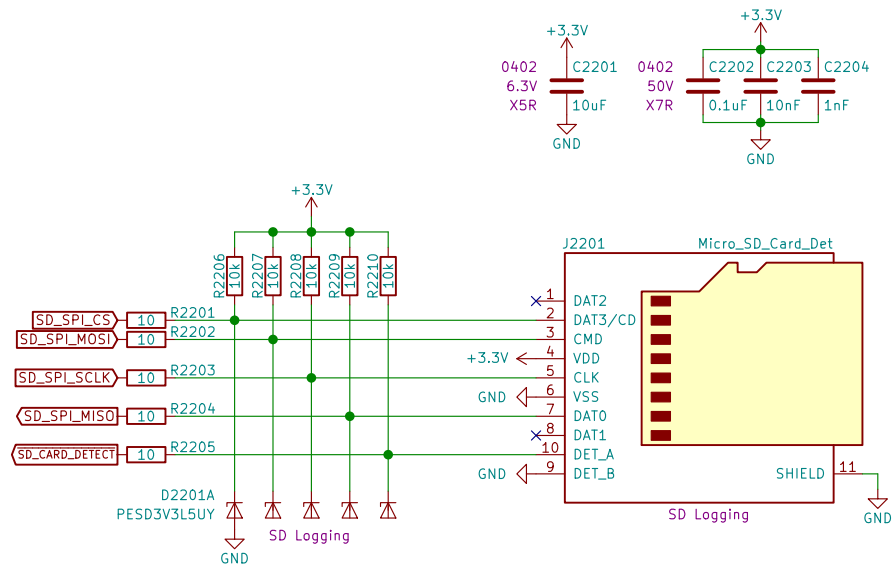
Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 19/23





Rev: A
Id: 21/23



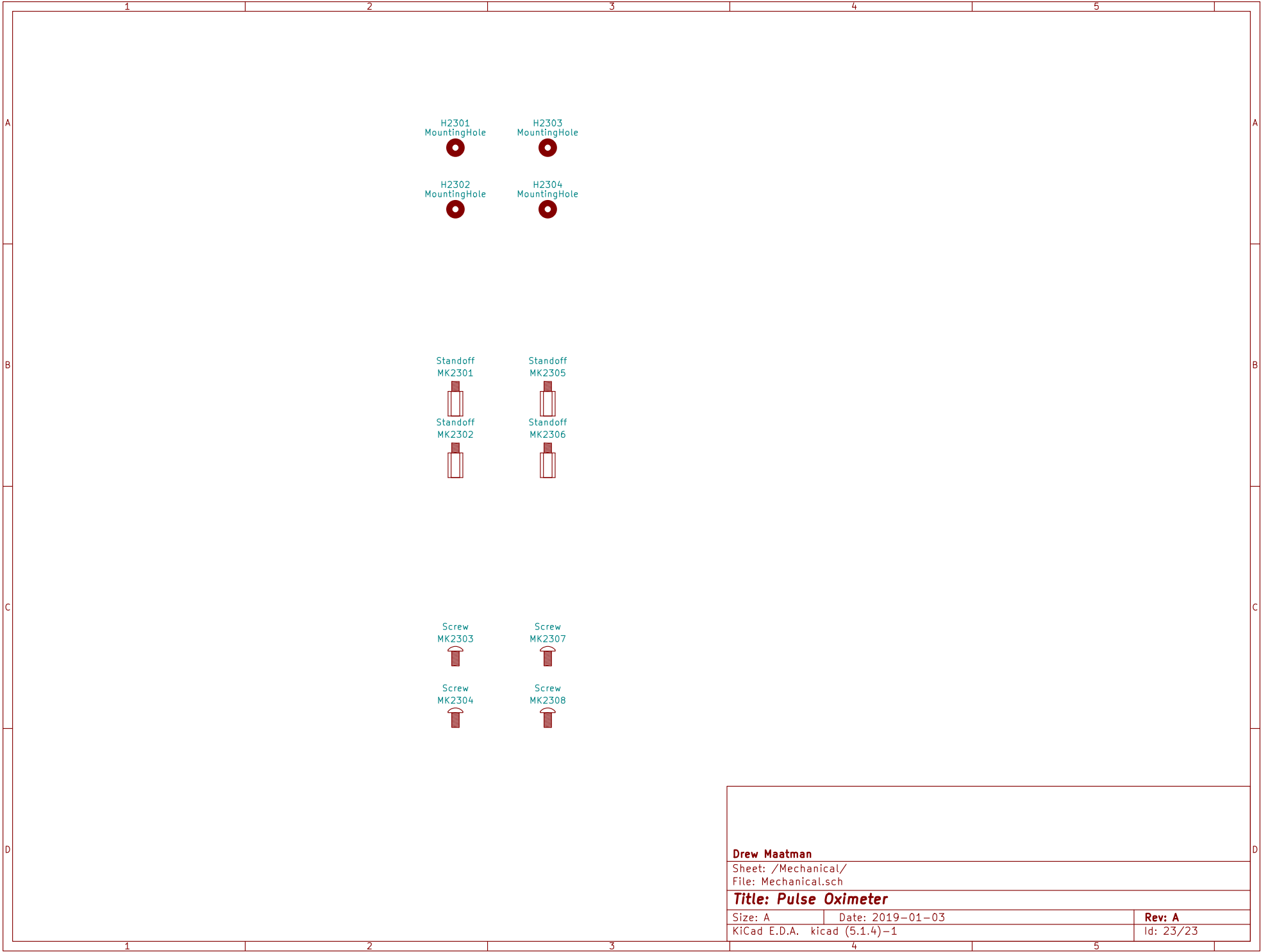
Drew Maatman

Sheet: /SD Card Slot/
File: SD_Card_Slot.sch

Title: Pulse Oximeter

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

Rev: A
Id: 22/23



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: 23/23