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

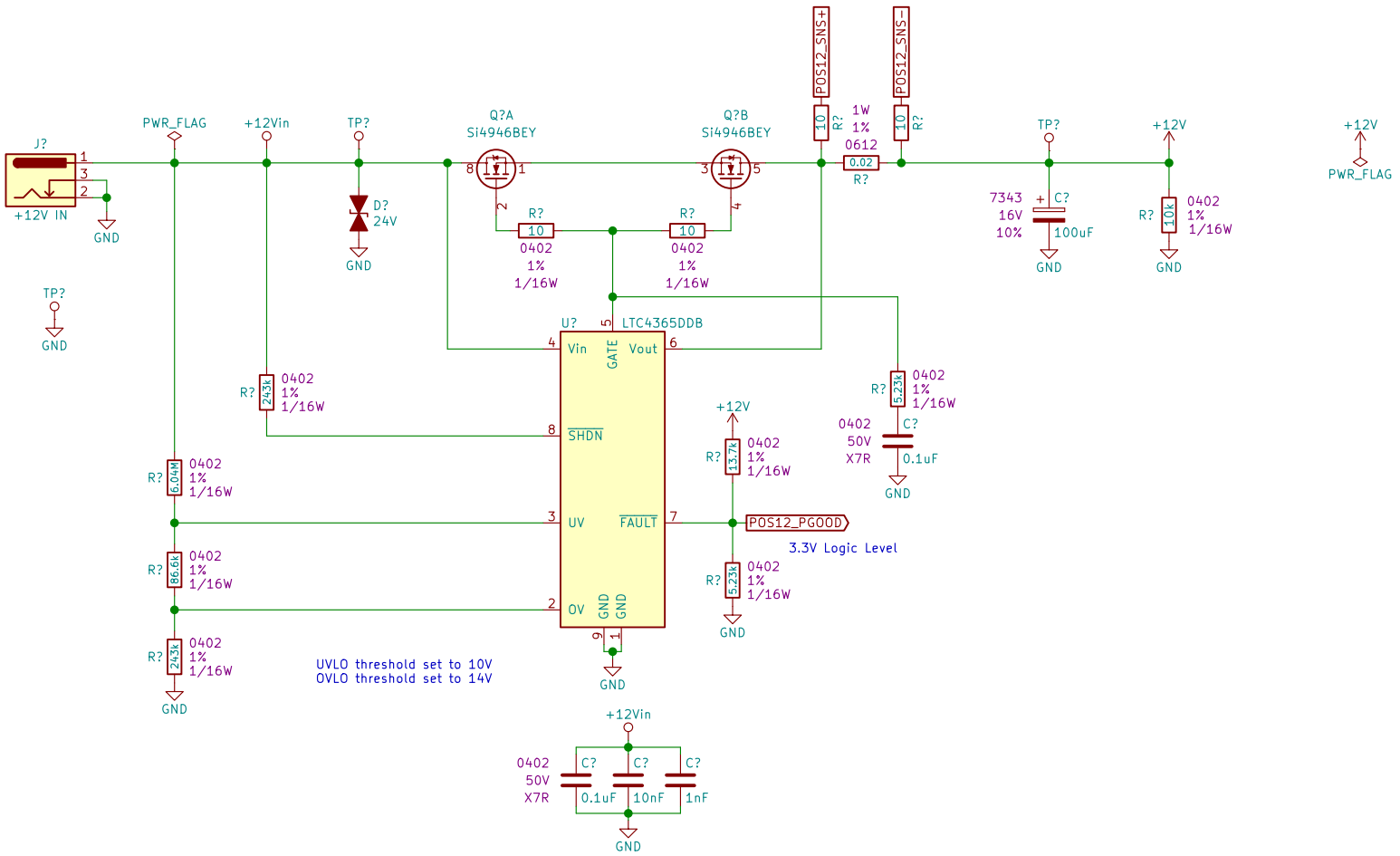
Sheet: Status LEDs

File: Status_LEDs.sch

Sheet: /
File: Pulse_Oximeter.sch

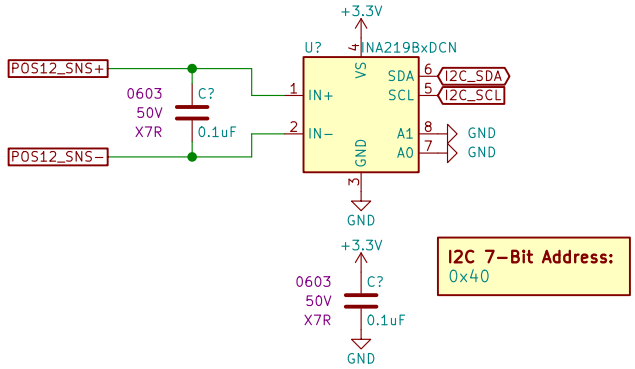
Title:

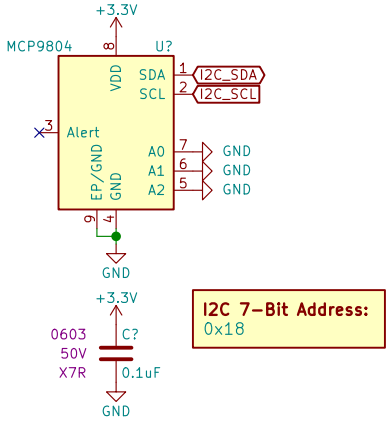
Size: A	Date: 2020-05-02	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 1/19



Sheet: /+12V Input/	
File: POS12_Input.sch	
Title: QI Charger	
Size: A	Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1	Id: 2/19

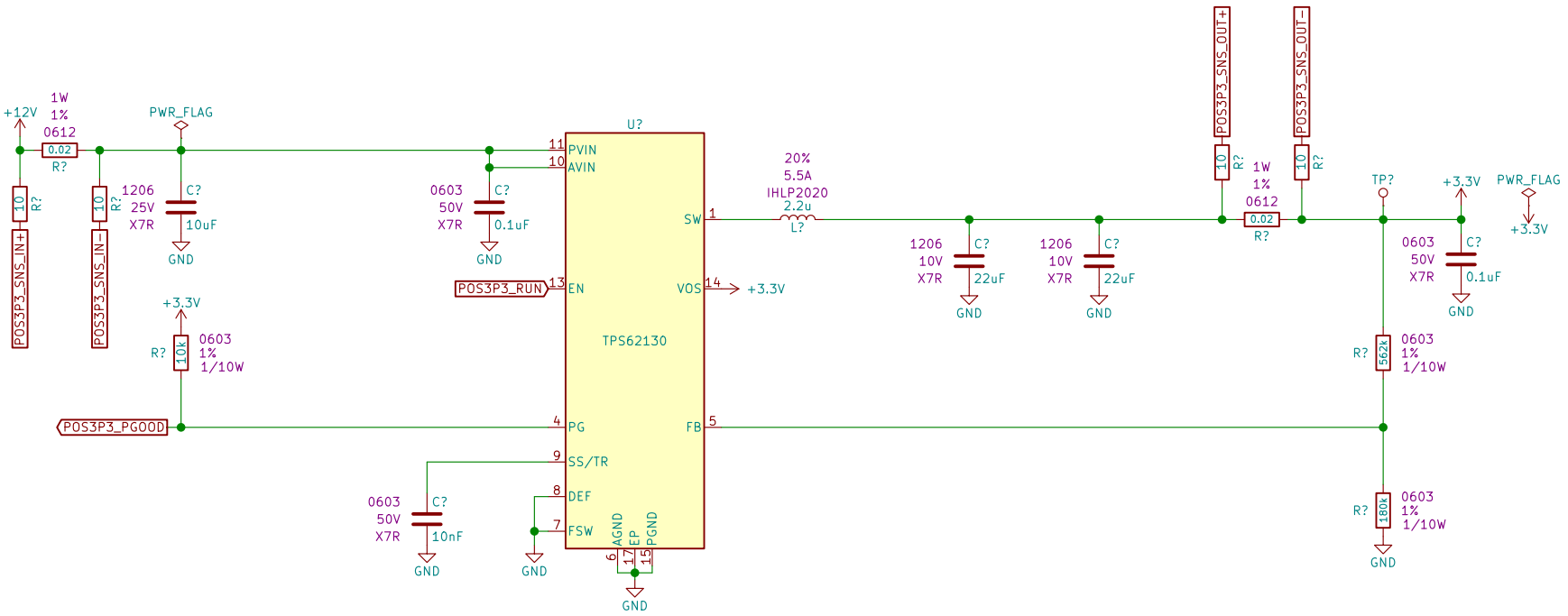
Rev: A

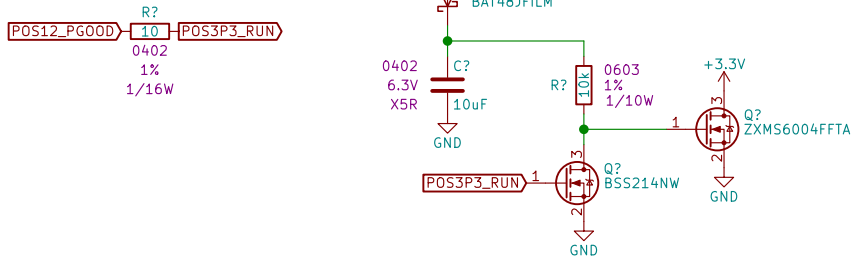




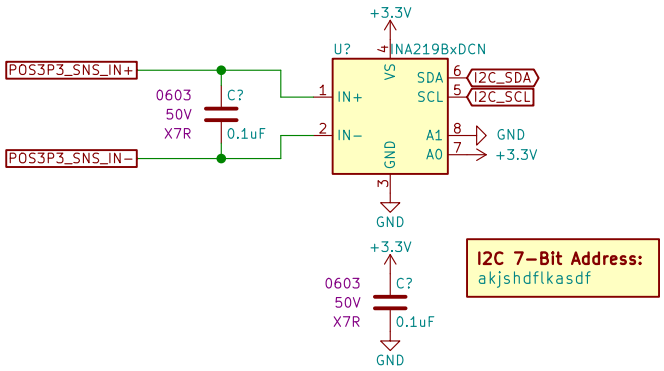
Sheet: /+12V Telemetry/		
File: POS12_Telemetry.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)−1		Id: 3/19

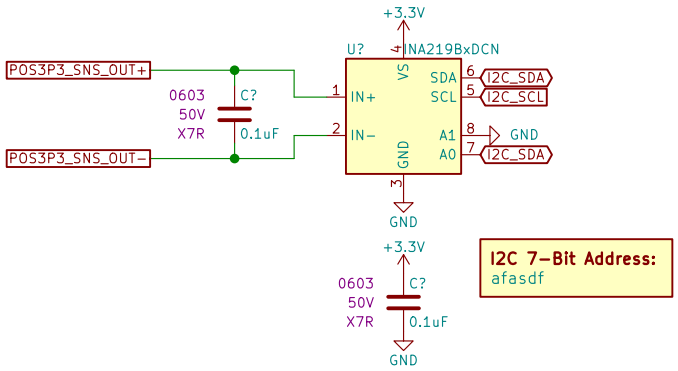
NSIDER A SMALLER SOLUTION WITH LOWER OUTPUT CURRE

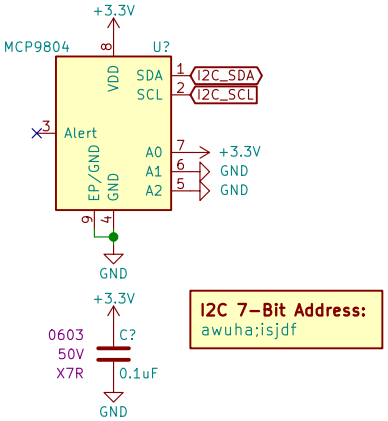




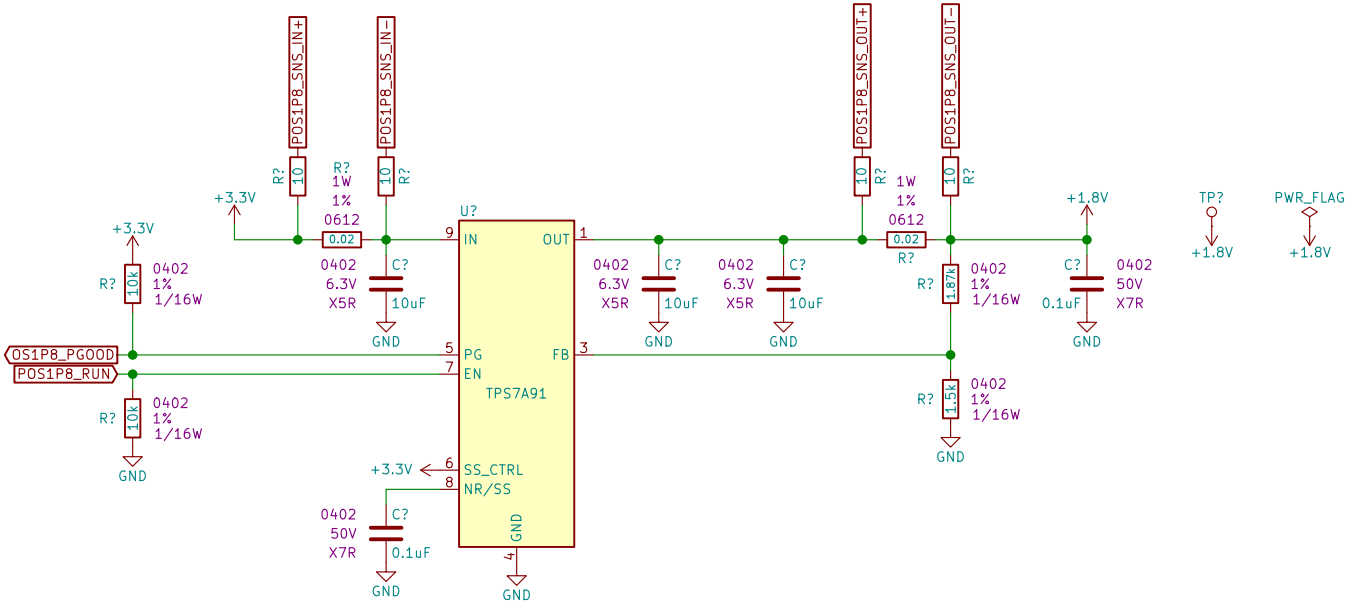
Sheet: /+3.3V Power Supply/		
File: POS3P3_Power_Supply.sch		
Title: QI Charger		
Size: A	Date: 2019-01-03	**Rev: A**
KiCad E.D.A. kicad (5.1.4)-1		Id: 4/19



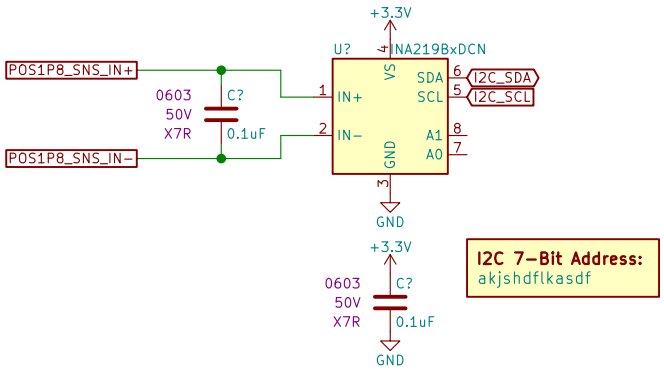


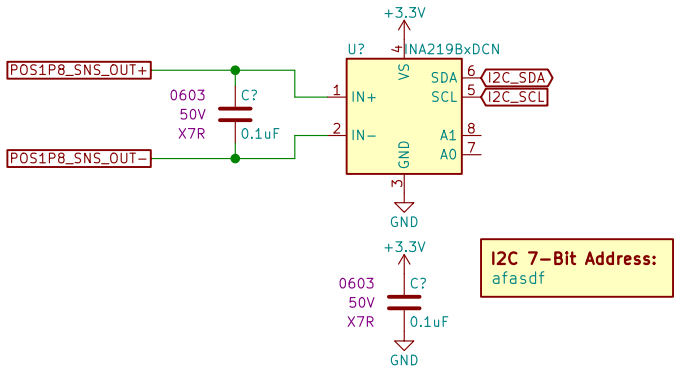


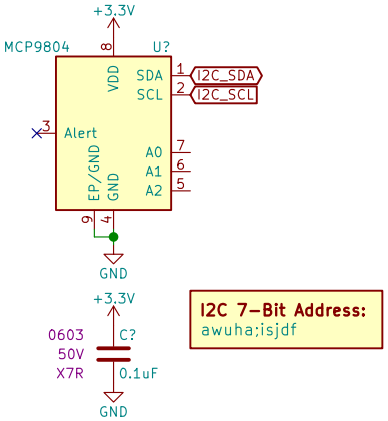
Sheet: /+3.3V Telemetry/		
File: POS3P3_Telemetry.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)−1		Id: 5/19



Sheet: /+1.8V Power Supply/		
File: POS1P8_Power_Supply.sch		
Title:		
Size: A	Date: 2020-05-02	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 6/19



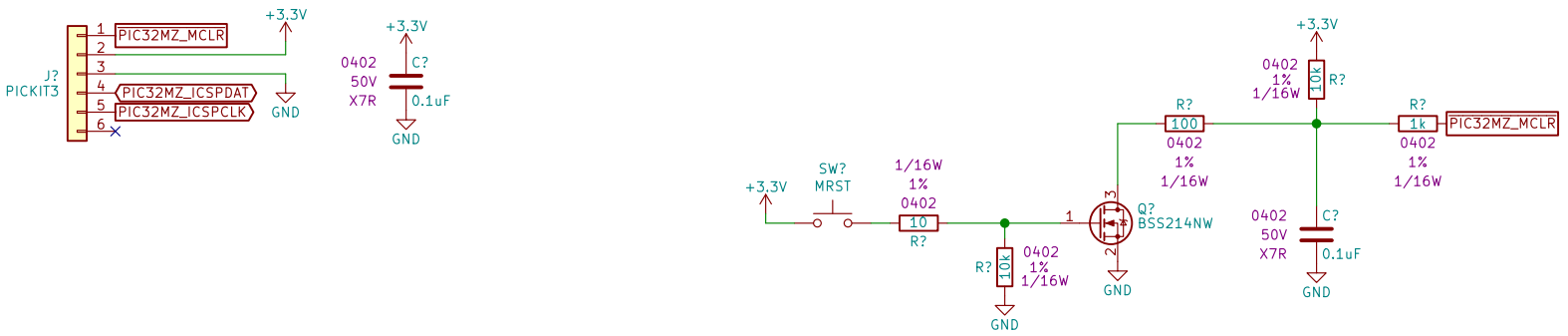




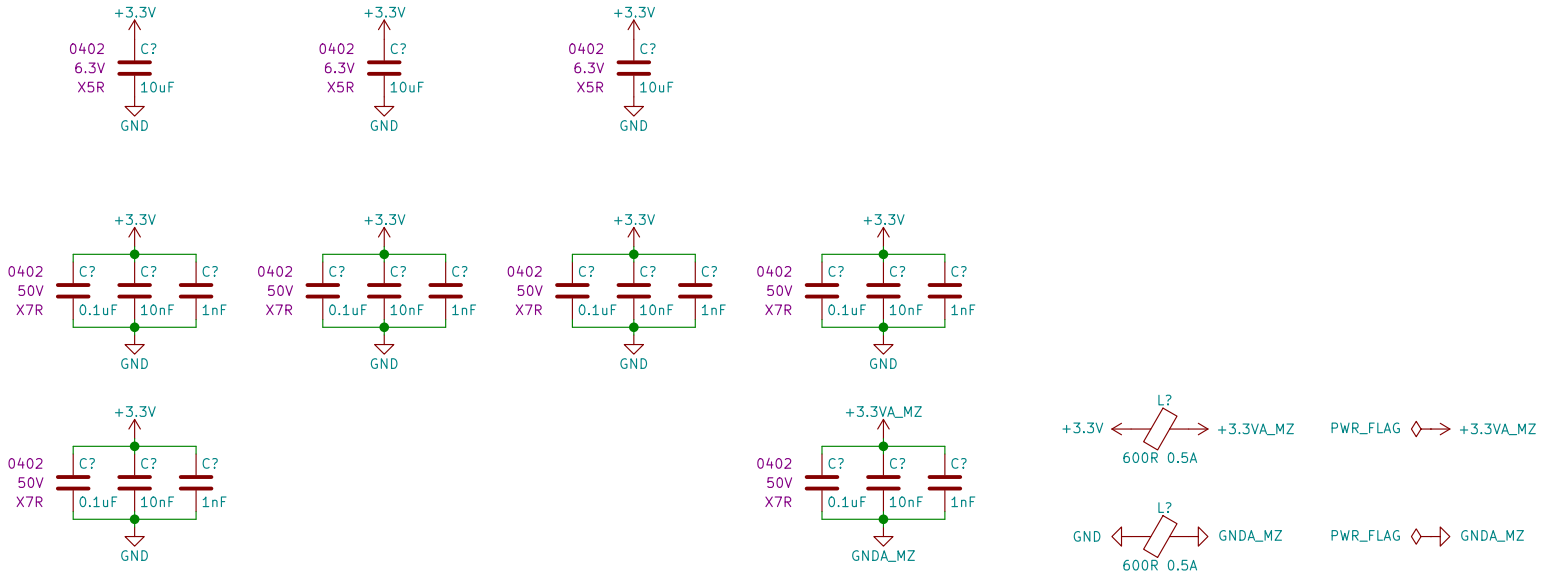
Sheet: /+1.8V Telemetry/
File: POS1P8_Telemetry.sch

Title:

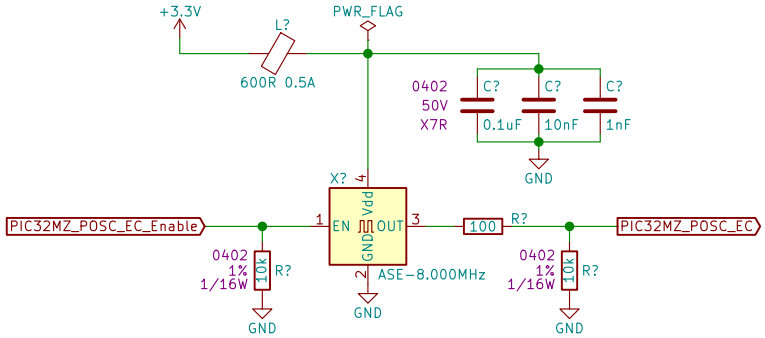
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)−1		Id: 7/19

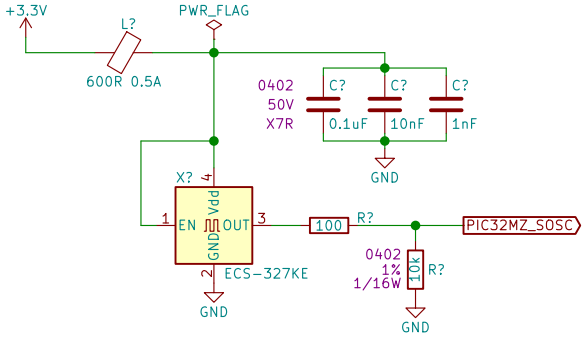


Drew Maatman		
Sheet: /PIC32MZ Programming/		
File: PIC32MZ_Programming.sch		
Title: VFD Clock		
Size: A	Date: 2019-04-11	**Rev: A**
KiCad E.D.A. kicad (5.1.4)-1		Id: 8/19

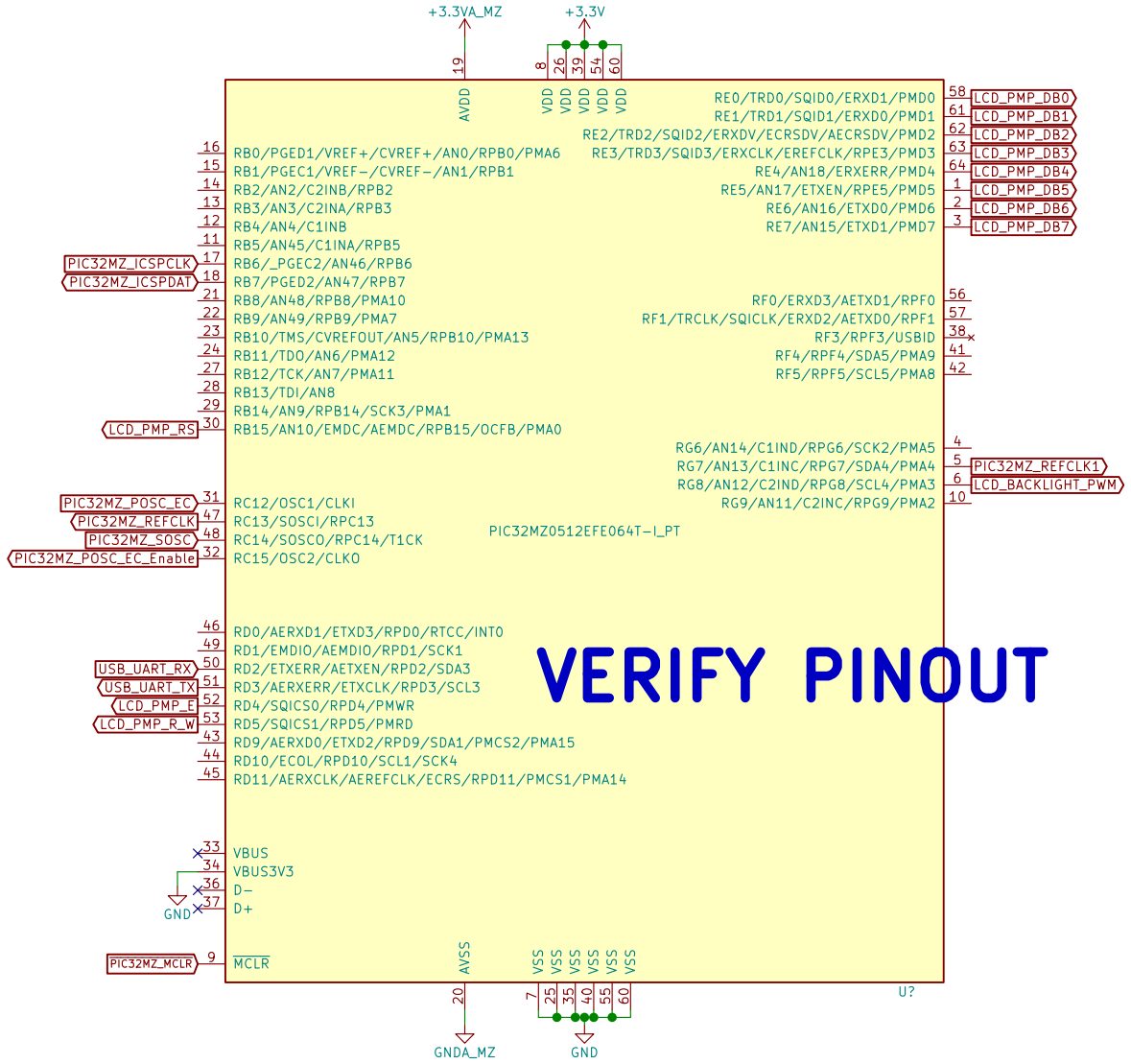


Sheet: /PIC32MZ Bypass/		
File: PIC32MZ_Bypass.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 9/19





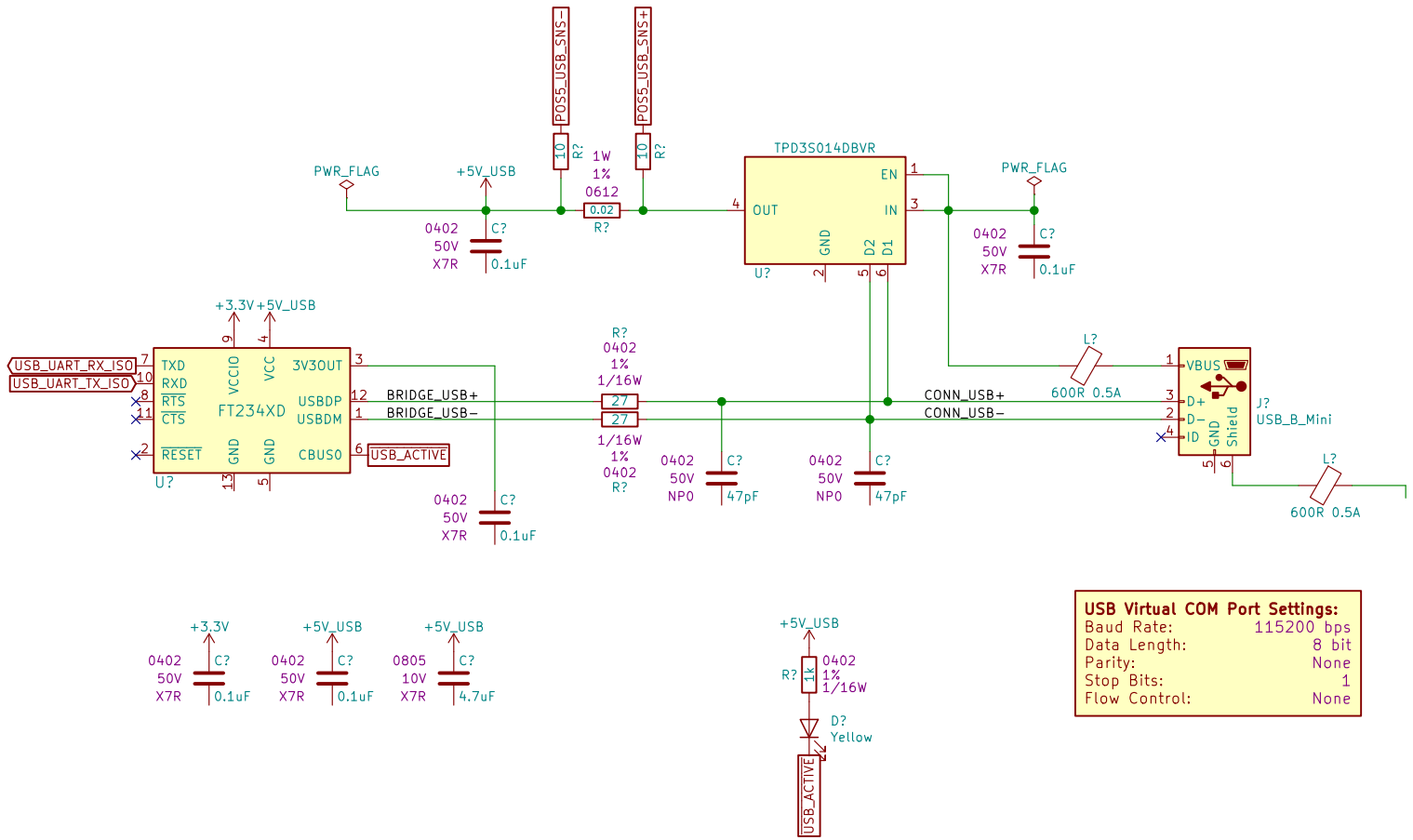
Sheet: /PIC32MZ Clocking/ File: PIC32MZ_Clocking.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 10/19



Drew Maatman	
Sheet: /PIC32MZ/	
File: PIC32MZ.sch	
Title: VFD Clock	
Size: A	Date: 2019-04-11
KiCad E.D.A. kicad (5.1.4)-1	Id: 11/19

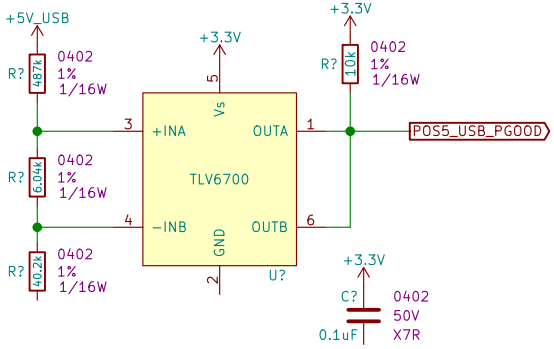
Rev: A

11. USB UART Bridge



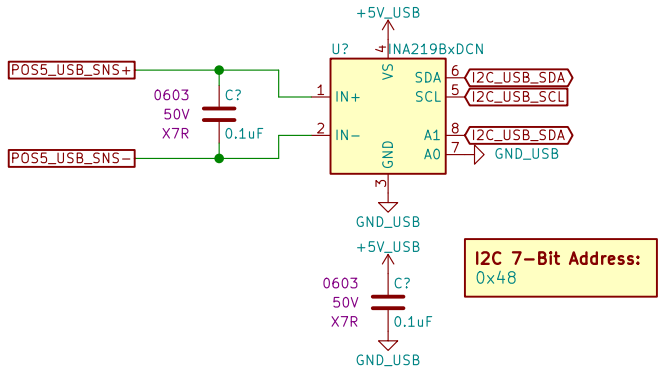
USB Virtual COM Port Settings:

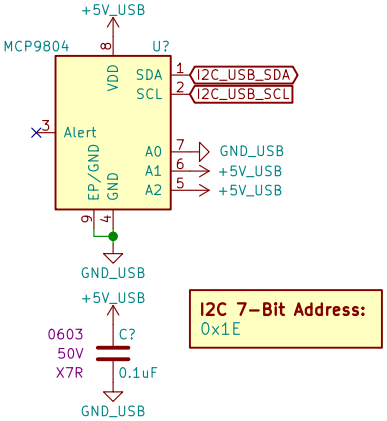
Baud Rate:	115200 bps
Data Length:	8 bit
Parity:	None
Stop Bits:	1
Flow Control:	None



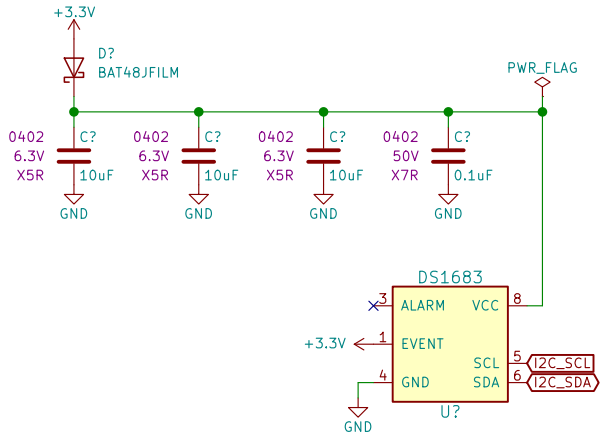
Drew Maatman	
Sheet: /USB UART Bridge/	
File: USB_UART_Bridge.sch	
Title: VFD Clock	
Size: A	Date: 2019-04-11
KiCad E.D.A. kicad (5.1.4)-1	Id: 12/19

Rev: A



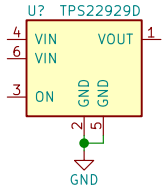


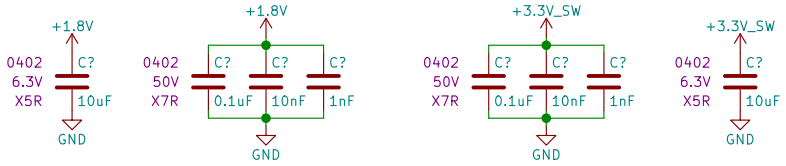
Sheet: /USB Telemetry/		
File: USB_Telemetry.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 13/19

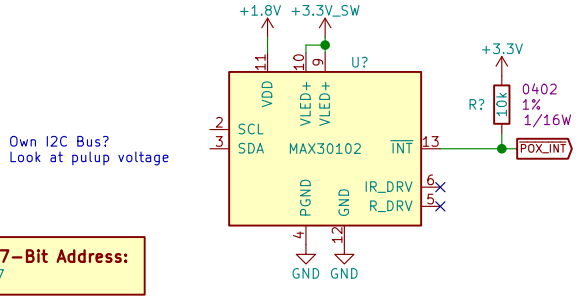


I2C 7-Bit Address:
0x6B

Sheet: /Time of Flight/ File: Time_of_Flight.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 14/19



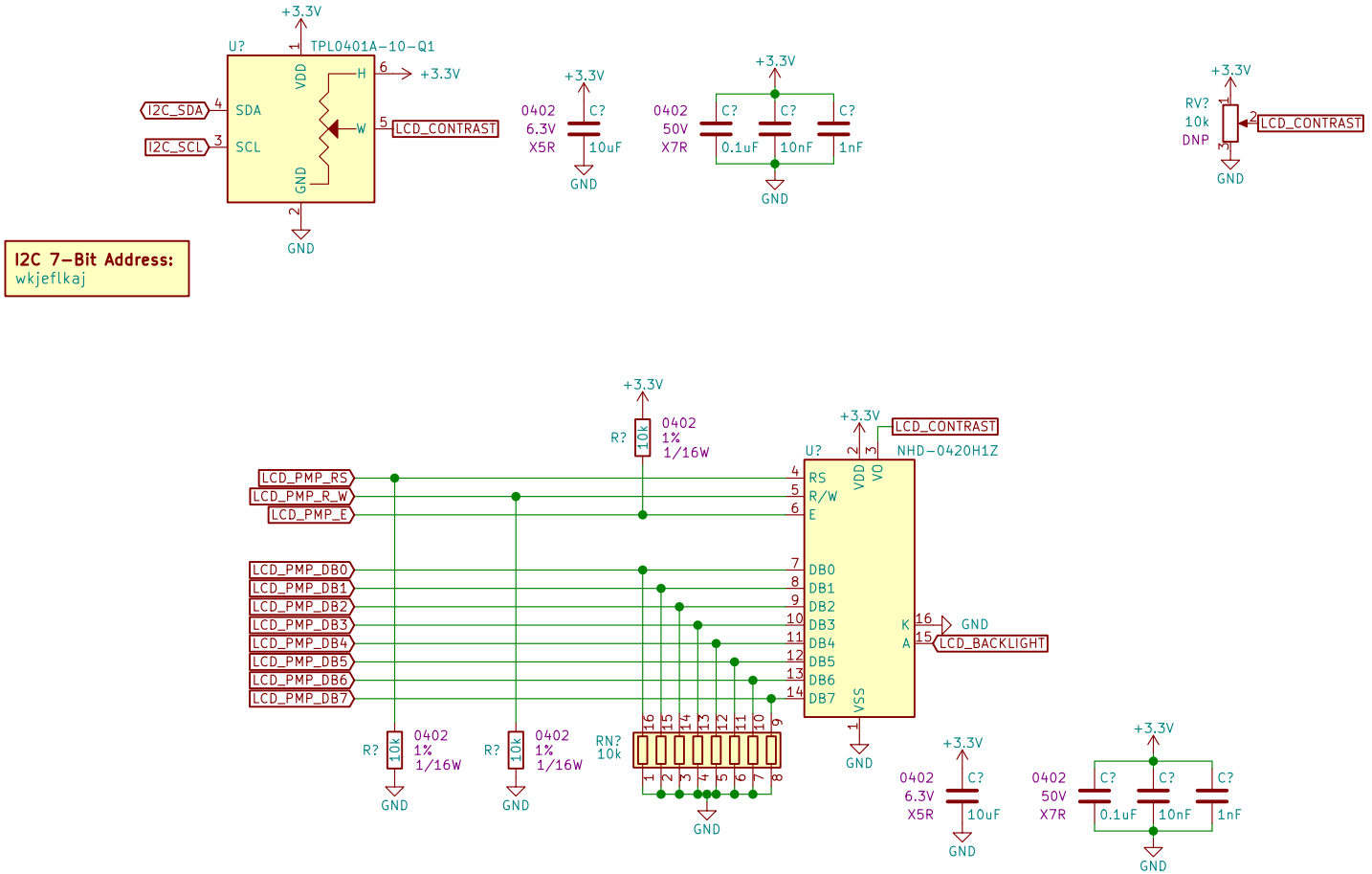




Own I2C Bus?
Look at pulup voltage

I2C 7-Bit Address:
0x57

Sheet: /POX Sensor/ File: POX_Sensor.sch		
Title:		
Size: A	Date: 2020-05-02	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 15/19

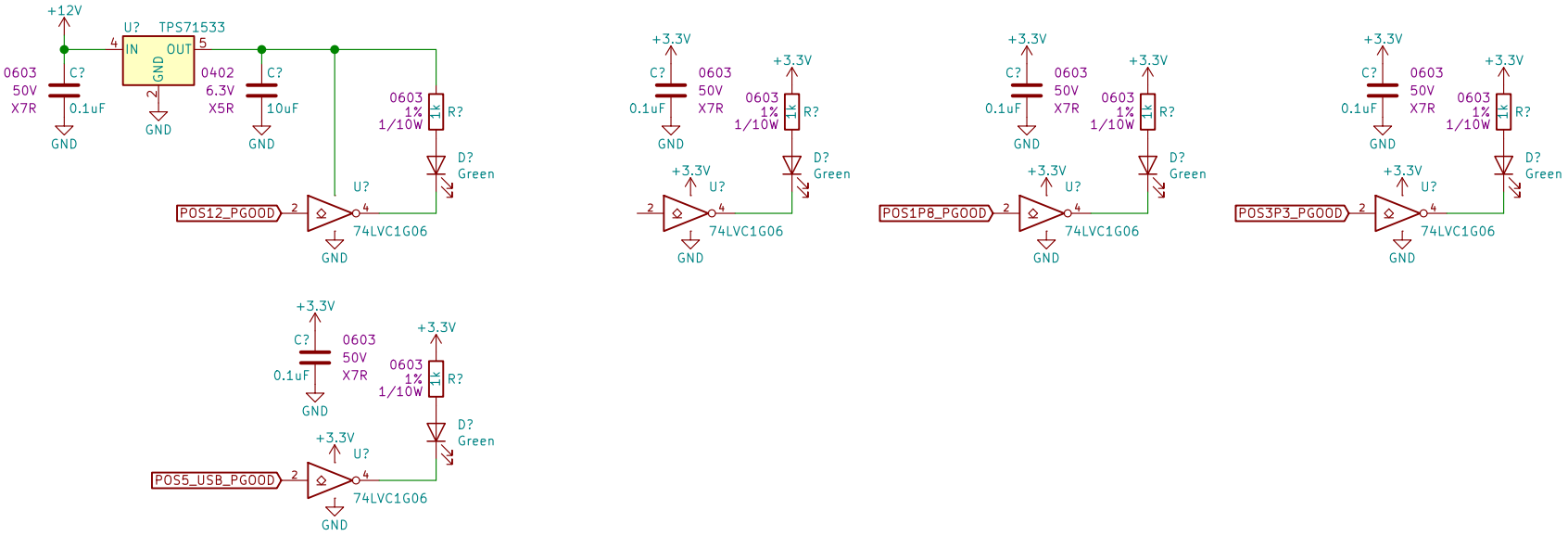


Sheet: /Display/	
File: Display.sch	
Title:	
Size: A	Date: 2020-05-02
KiCad E.D.A. kicad (5.1.4)-1	Id: 16/19

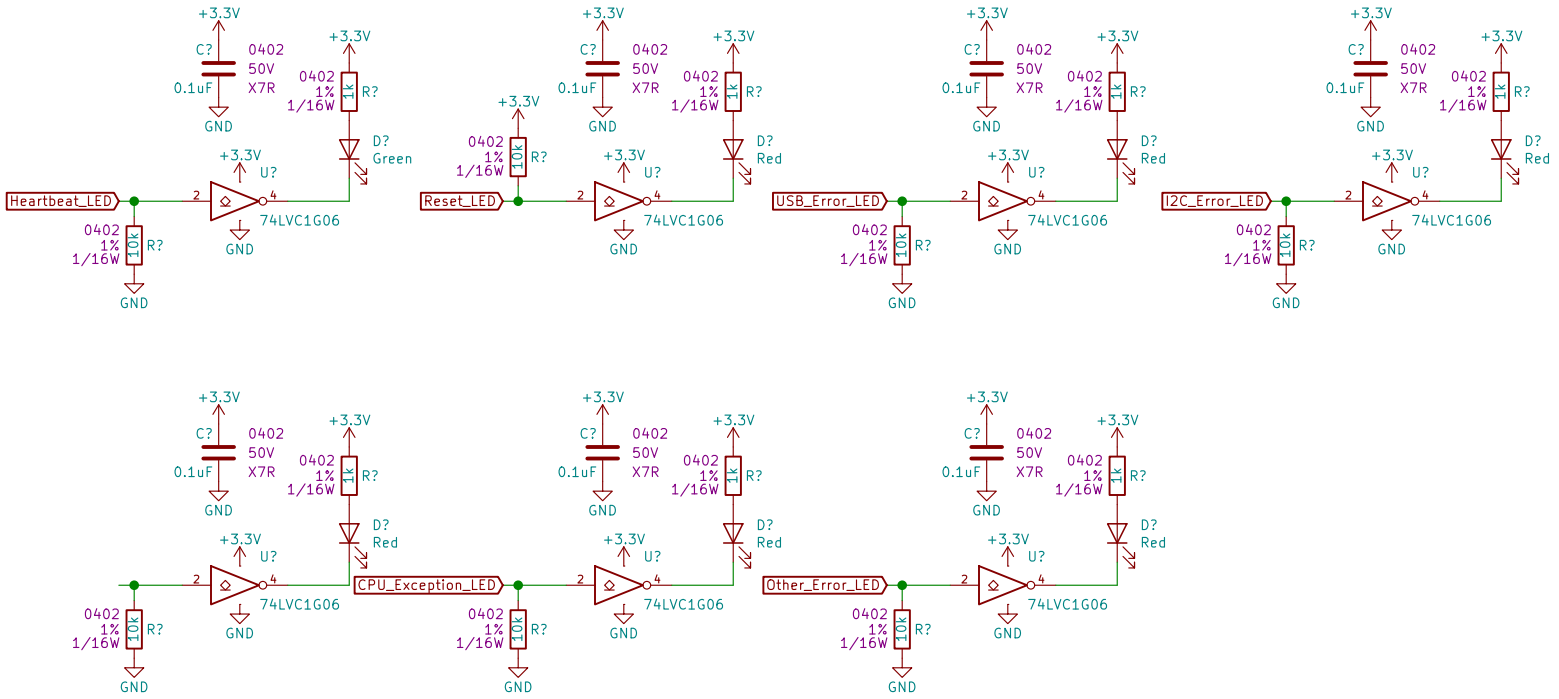
Sheet: /Pushbuttons/
File: Pushbuttons.sch

Title:

Size: A	Date: 2020-05-02	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 17/19



Sheet: /PGOOD LEDs/		
File: PGOOD_LEDs.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 18/19



Sheet: /Status LEDs/		
File: Status_LEDs.sch		
Title:		
Size: A	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.4)-1		Id: 19/19