

Sheet: +12V

File: POS12_Input.sch

Sheet: +3.3V

File: POS3P3_Power_Supply.sch

Sheet: PIC32

File: PIC32MZ_Programming.sch

Sheet: PIC32

File: PIC32MZ_Clocking.sch

Sheet: PIC32

File: PIC32MZ_Bypass.sch

Sheet: PIC32

File: PIC32MZ.sch

Sheet: USB U

File: USB_UART_Bridge.sch

Sheet: PG00

File: PG00D_LEDs.sch

Sheet: Status

File: Status_LEDs.sch

Sheet: TFT S

File: TFT_Screen.sch

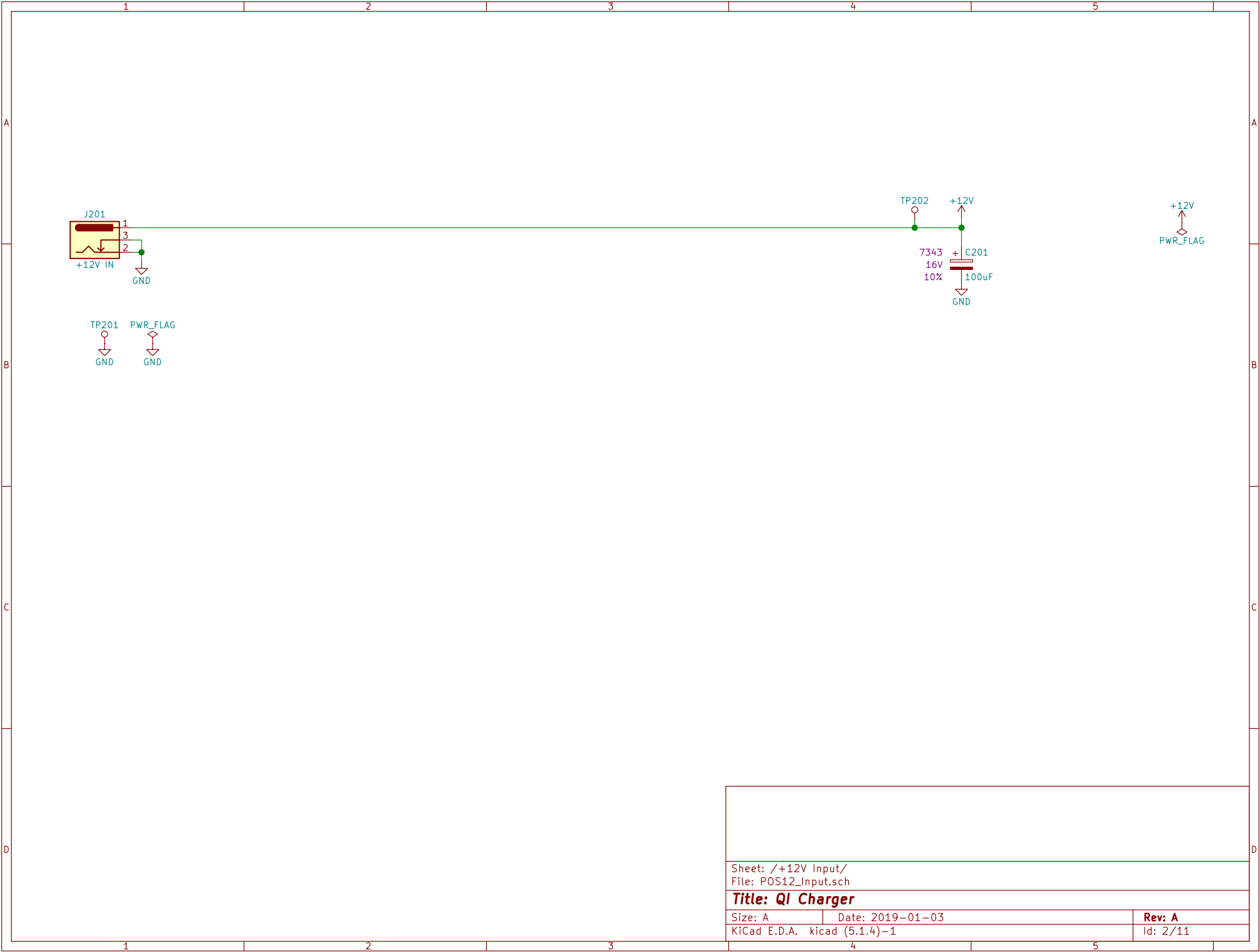
Add Mechanical S

Sheet: /
File: PIC32MZ_TFT_Demo.sch

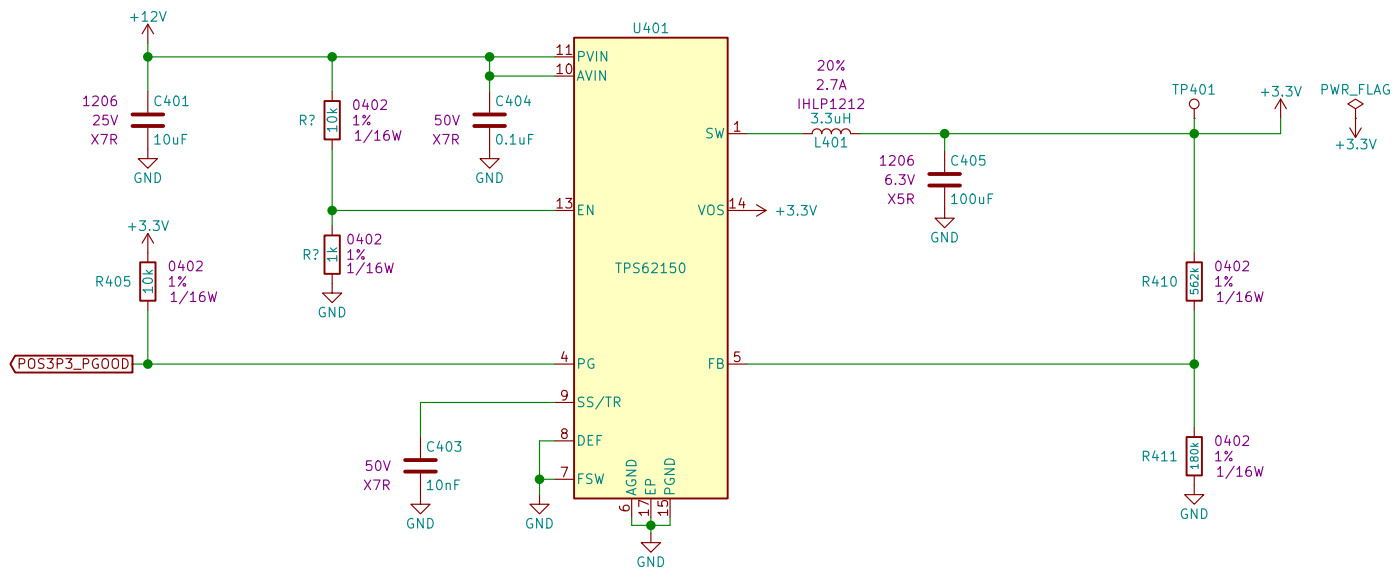
Title:

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| Size: A | Date: |
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Rev: 1/11



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|--|------------------|----------|
| Sheet: /+12V Input/ File: POS12_Input.sch | | |
| Title: Qi Charger | | |
| Size: A | Date: 2019-01-03 | Rev: A |
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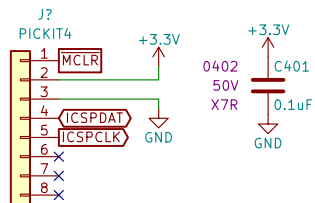
Drew Maatman

Sheet: /+3.3V Power Supply/
File: POS3P3_Power_Supply.sch

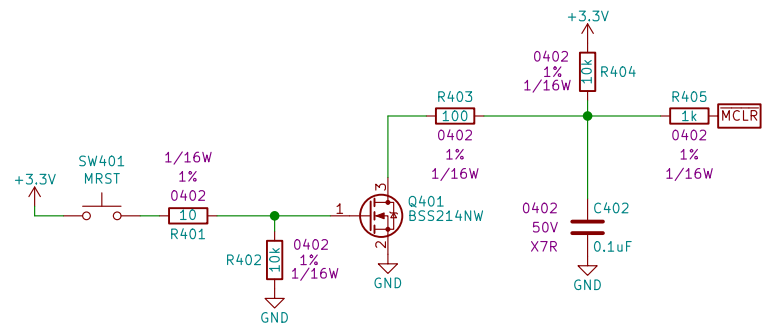
Title: Pulse Oximeter

Size: A Date: 2019-01-03
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Component Setting
 Oscillator: OSC bits set properly
 Power: Supplied by target
 WDT: Disabled (device dependent)
 Code-Protect: Disabled
 Table Read Protect: Disabled
 LVP: Disabled
 BOD: Vdd > BOD Vdd min.
 JTAG: Disabled
 AVdd and AVss Must be connected
 PGCx/PGDx Proper channel selected, if applicable
 Programming Vdd voltage levels meet programming spec



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Sheet: /PIC32MZ Programming/
 File: PIC32MZ_Programming.sch

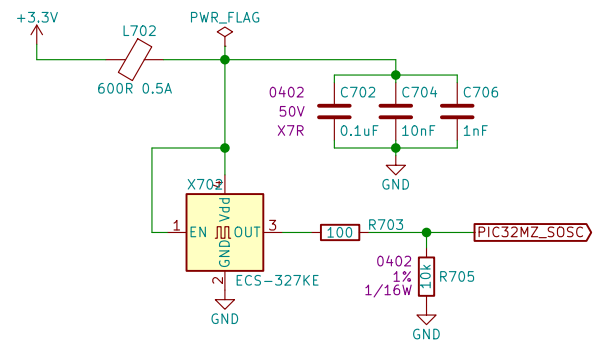
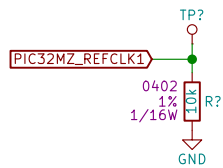
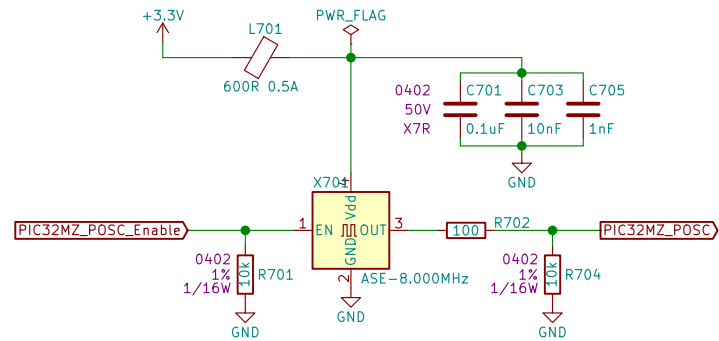
Title: VFD Clock

Size: A Date: 2019-04-11

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Rev: A

Id: 4/11



Sheet: /PIC32MZ Clocking/
File: PIC32MZ_Clocking.sch

Title:

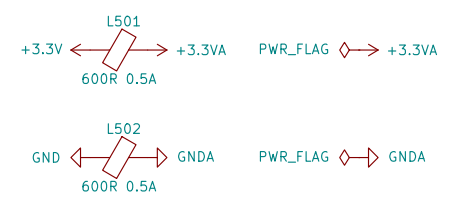
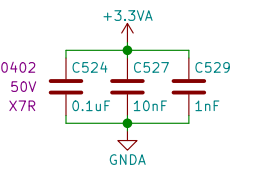
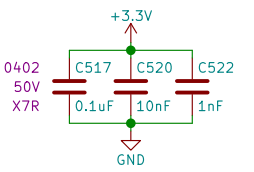
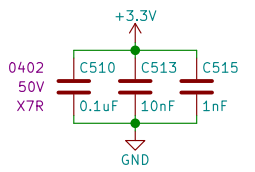
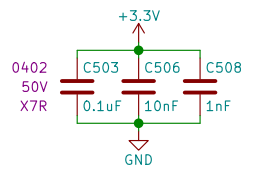
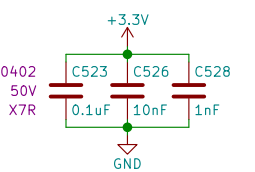
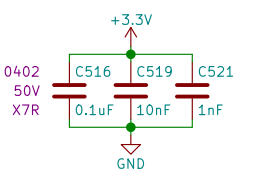
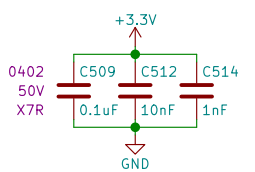
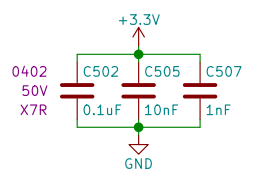
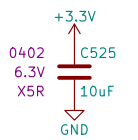
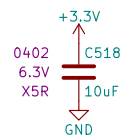
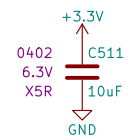
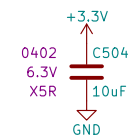
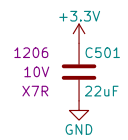
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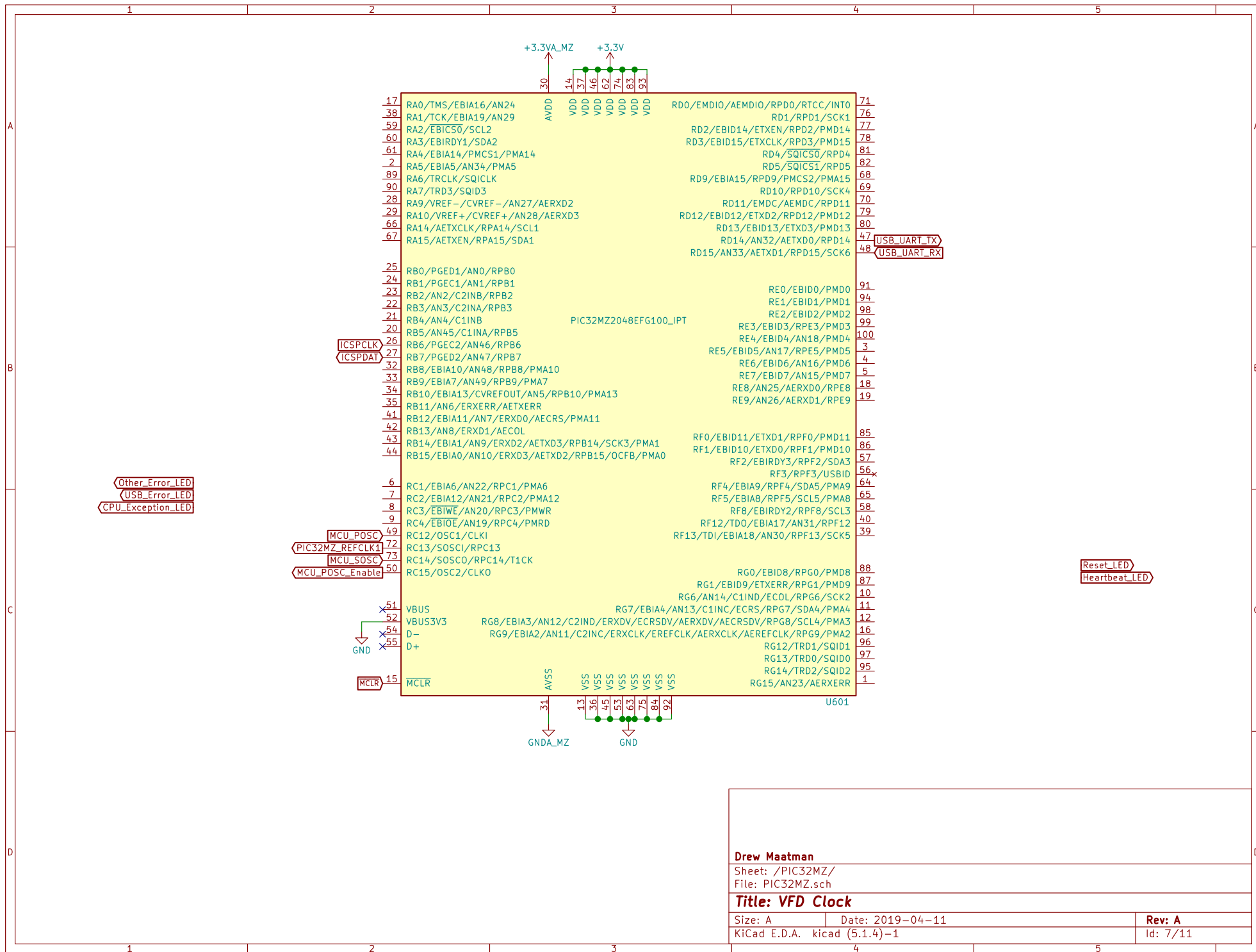
Date:

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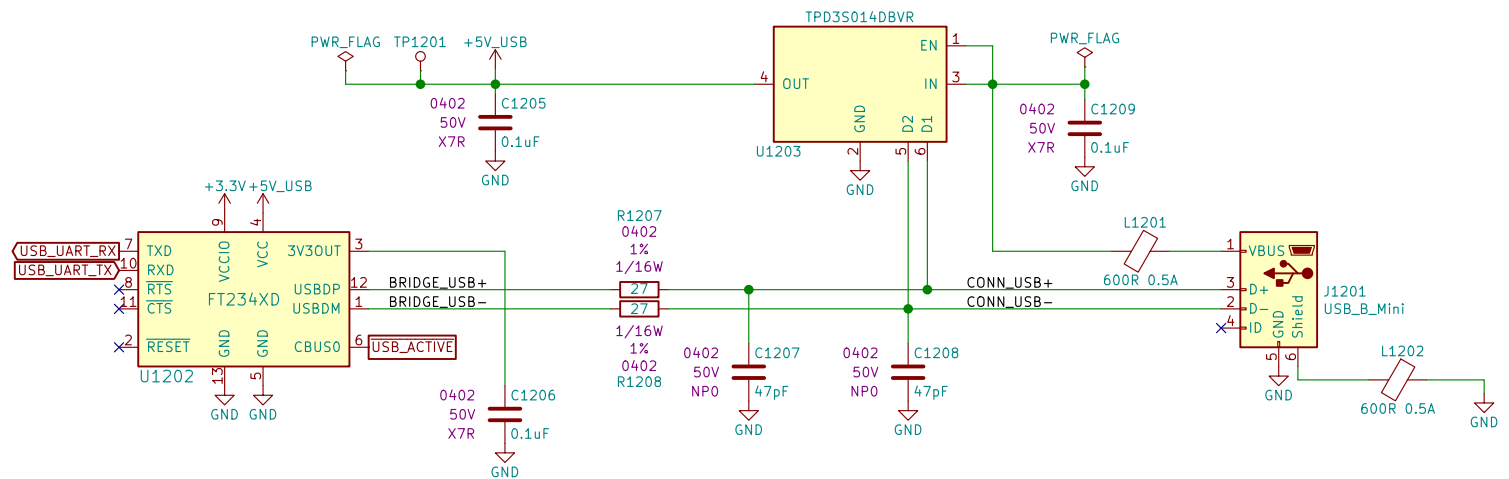
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Sheet: /PIC32MZ/
File: PIC32MZ.sch

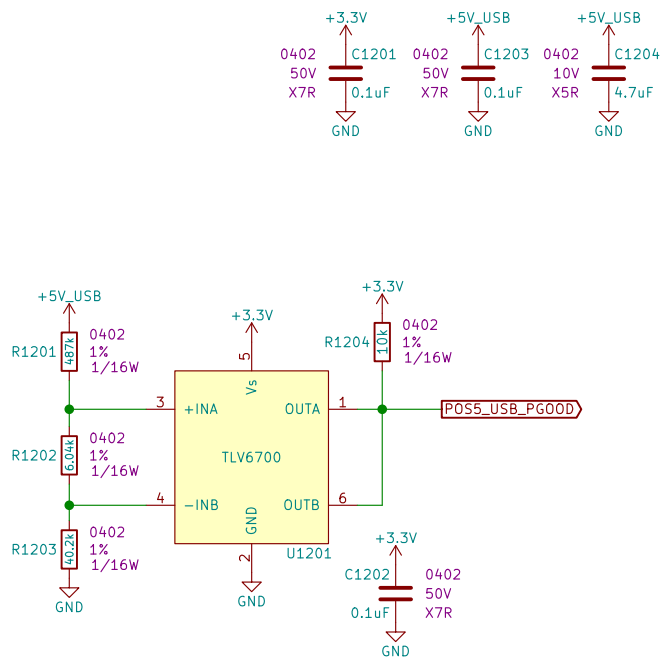
Title: VFD Clock

Size: A Date: 2019-04-11
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Rev: A
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USB Virtual COM Port Settings:
 Baud Rate: 115200 bps
 Data Length: 8 bit
 Parity: None
 Stop Bits: 1
 Flow Control: None



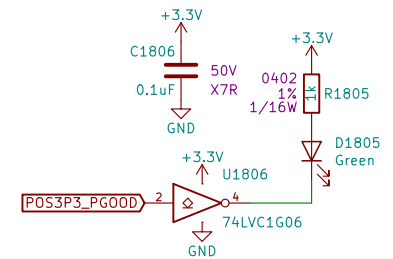
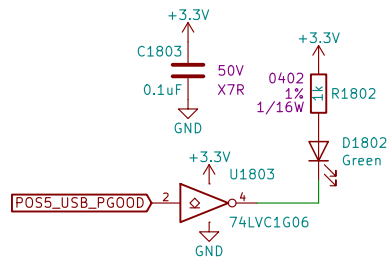
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Sheet: /USB UART Bridge/
 File: USB_UART_Bridge.sch

Title: Pulse Oximeter

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

Rev: A
 Id: 8/11



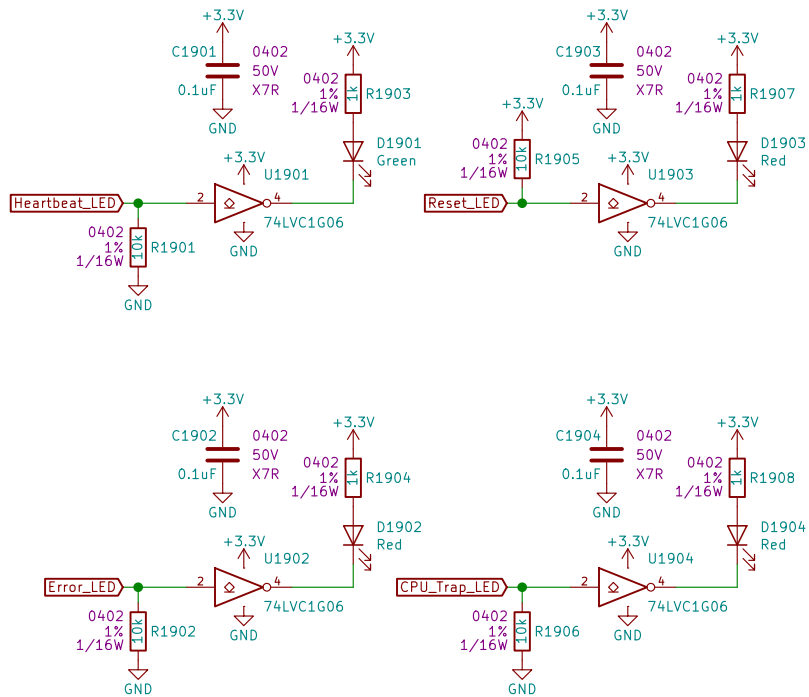
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Sheet: /PGOOD LEDs/
File: PGOOD_LEDs.sch

Title: Pulse Oximeter

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

Rev: A
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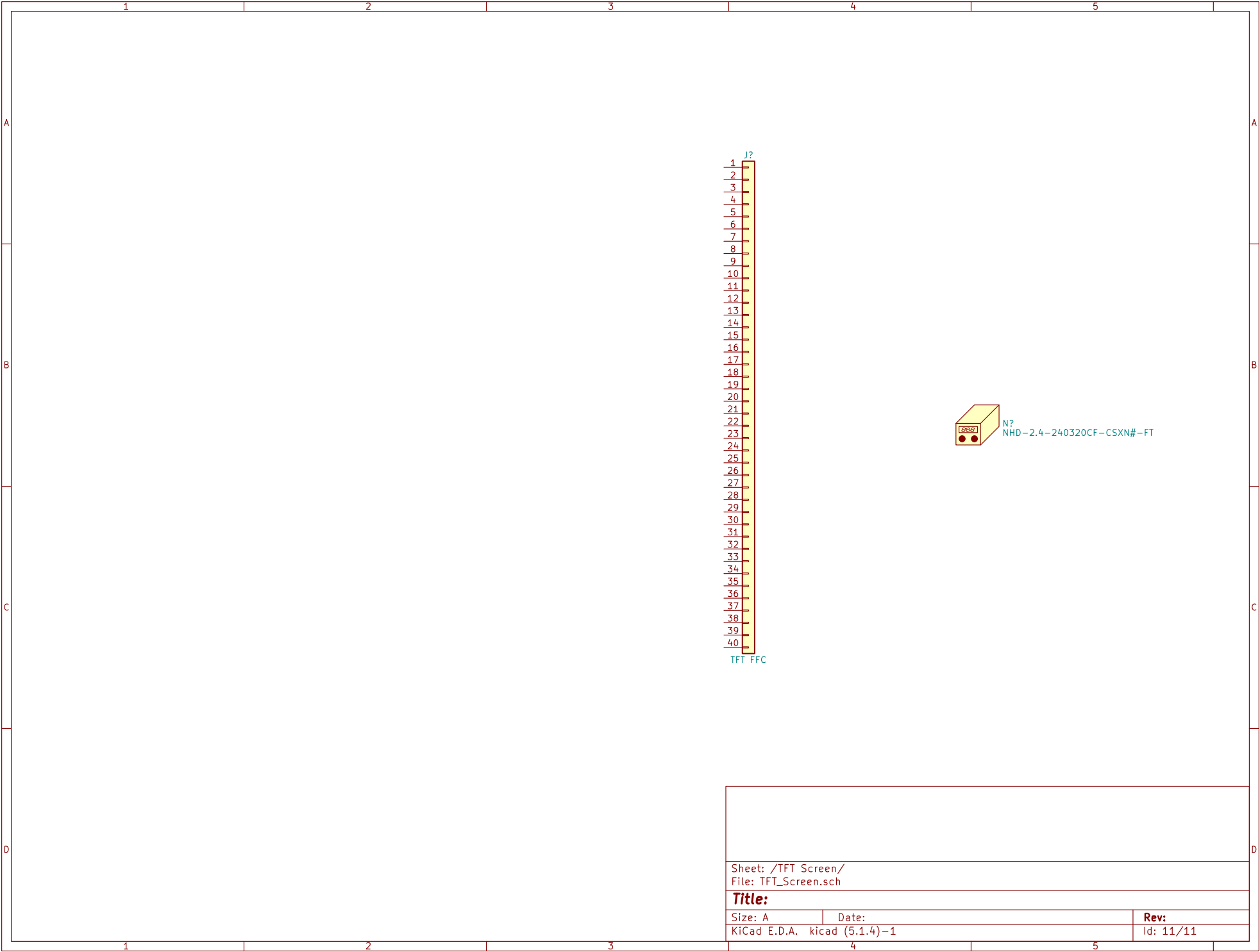
Drew Maatman

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: 10/11



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|---|-------|-----------|
| Sheet: /TFT Screen/ File: TFT_Screen.sch | | |
| Title: | | |
| Size: A | Date: | Rev: |
| KiCad E.D.A. kicad (5.1.4)-1 | | Id: 11/11 |