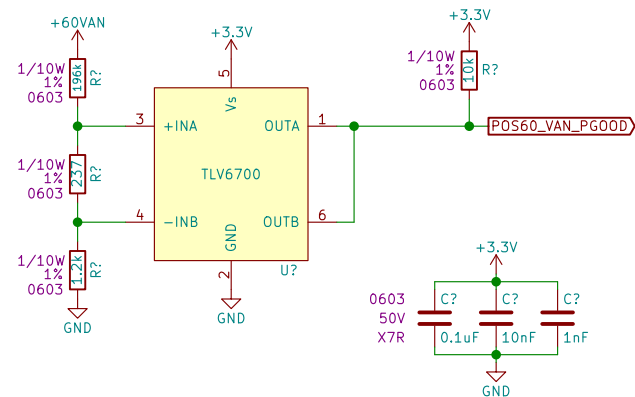
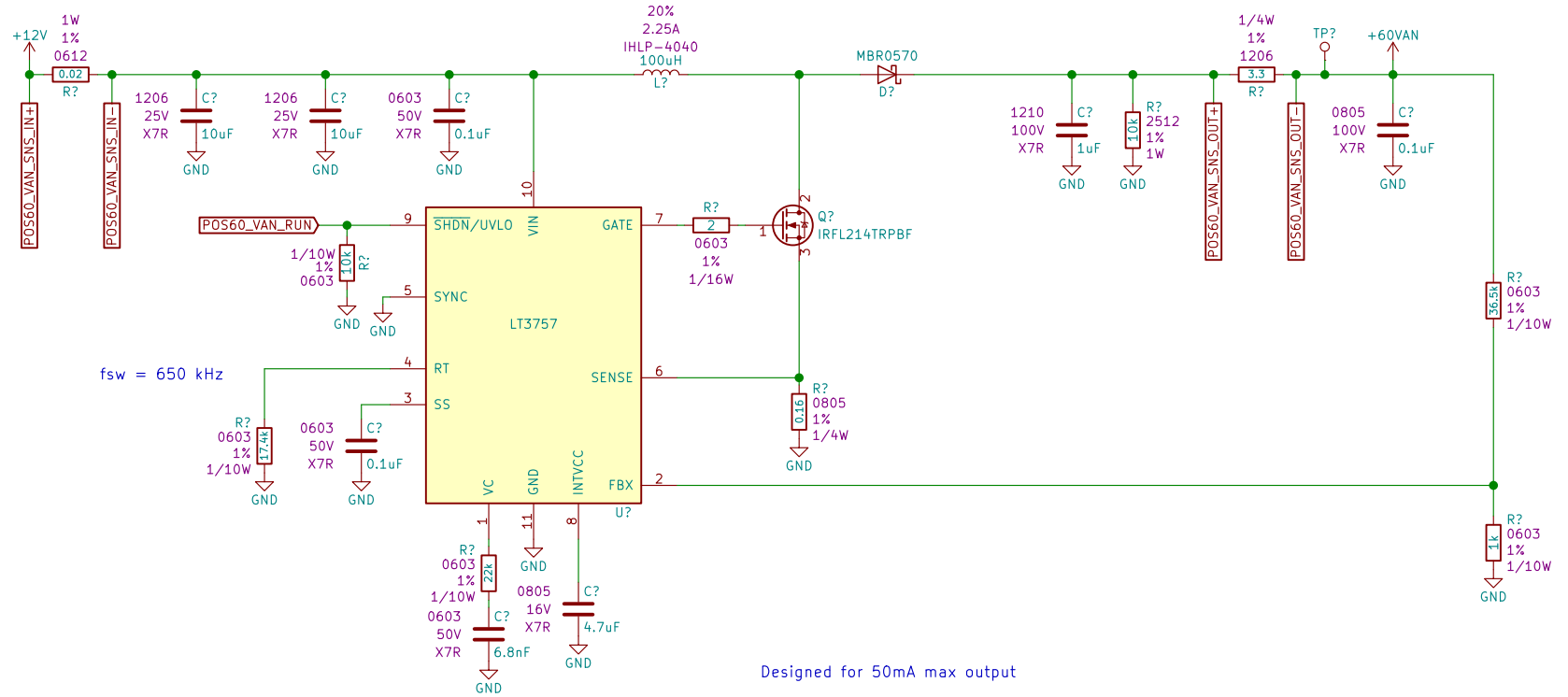


CONSIDER SWITCHING TO 252MHZ OPTION

Anode/Grid +60V, 50mA Power Supply



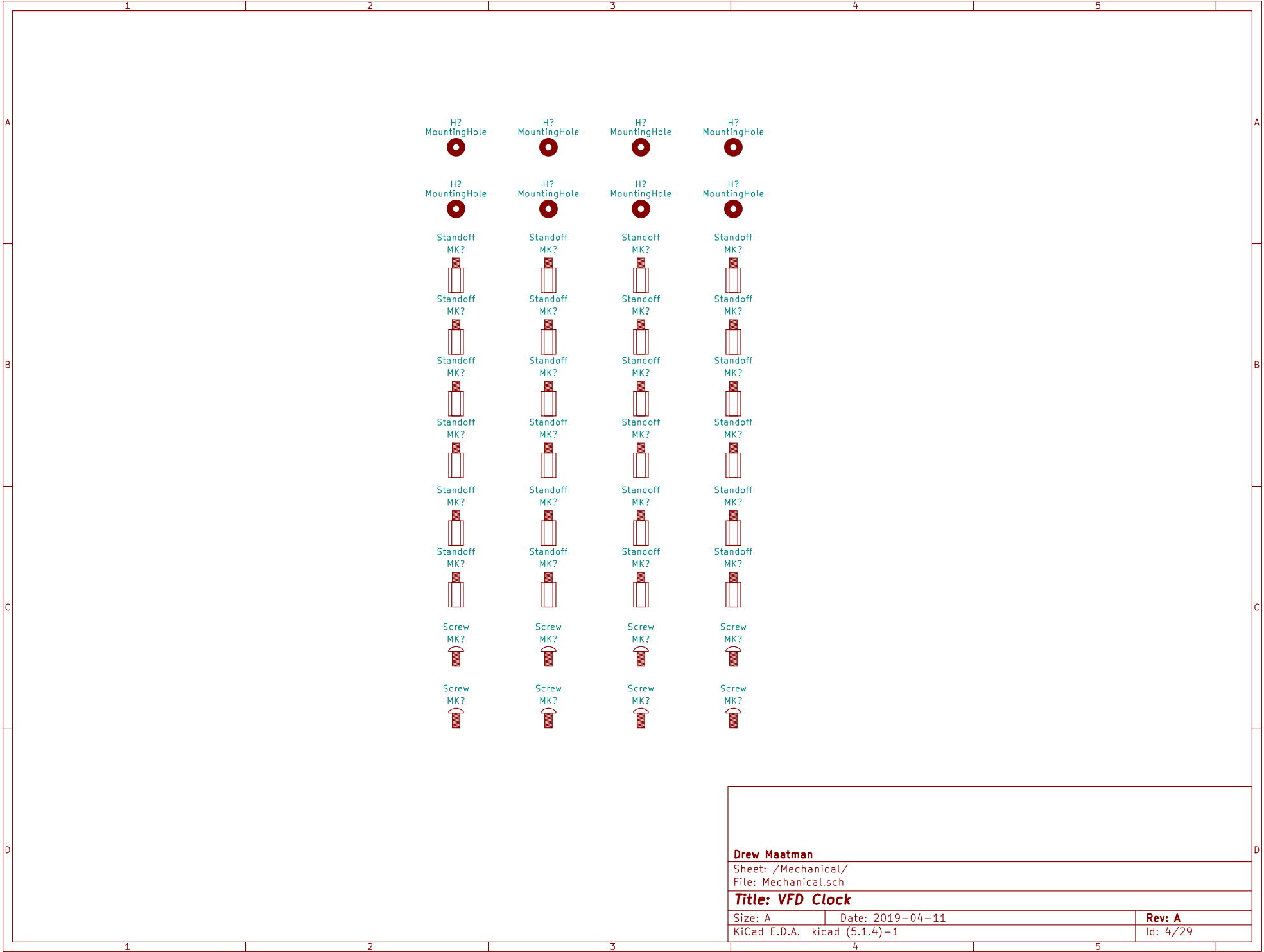
Drew Maatman

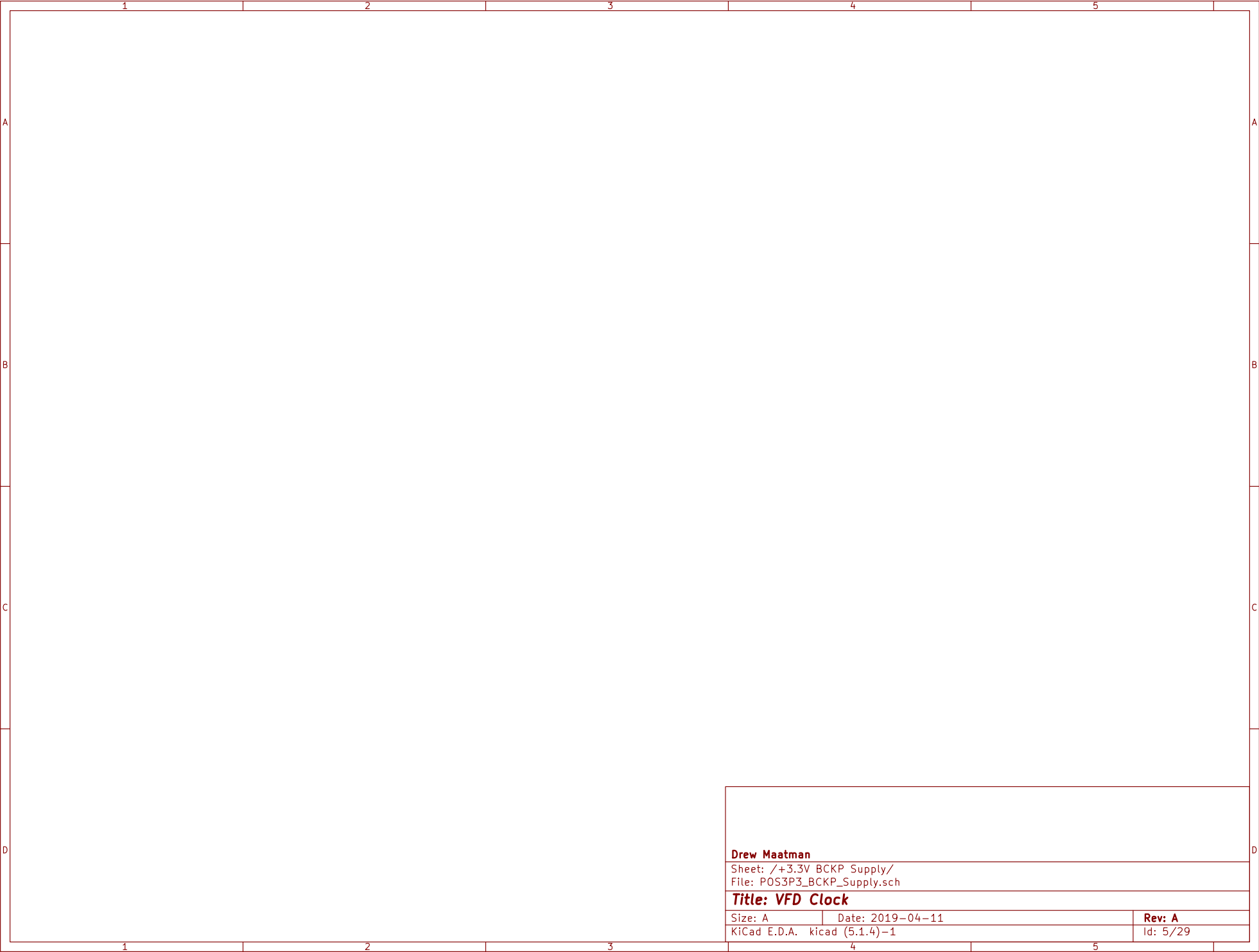
Sheet: //+60VAN Power Supply/
File: POS60_VAN_Power_Supply.sch

Title: VFD Clock

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

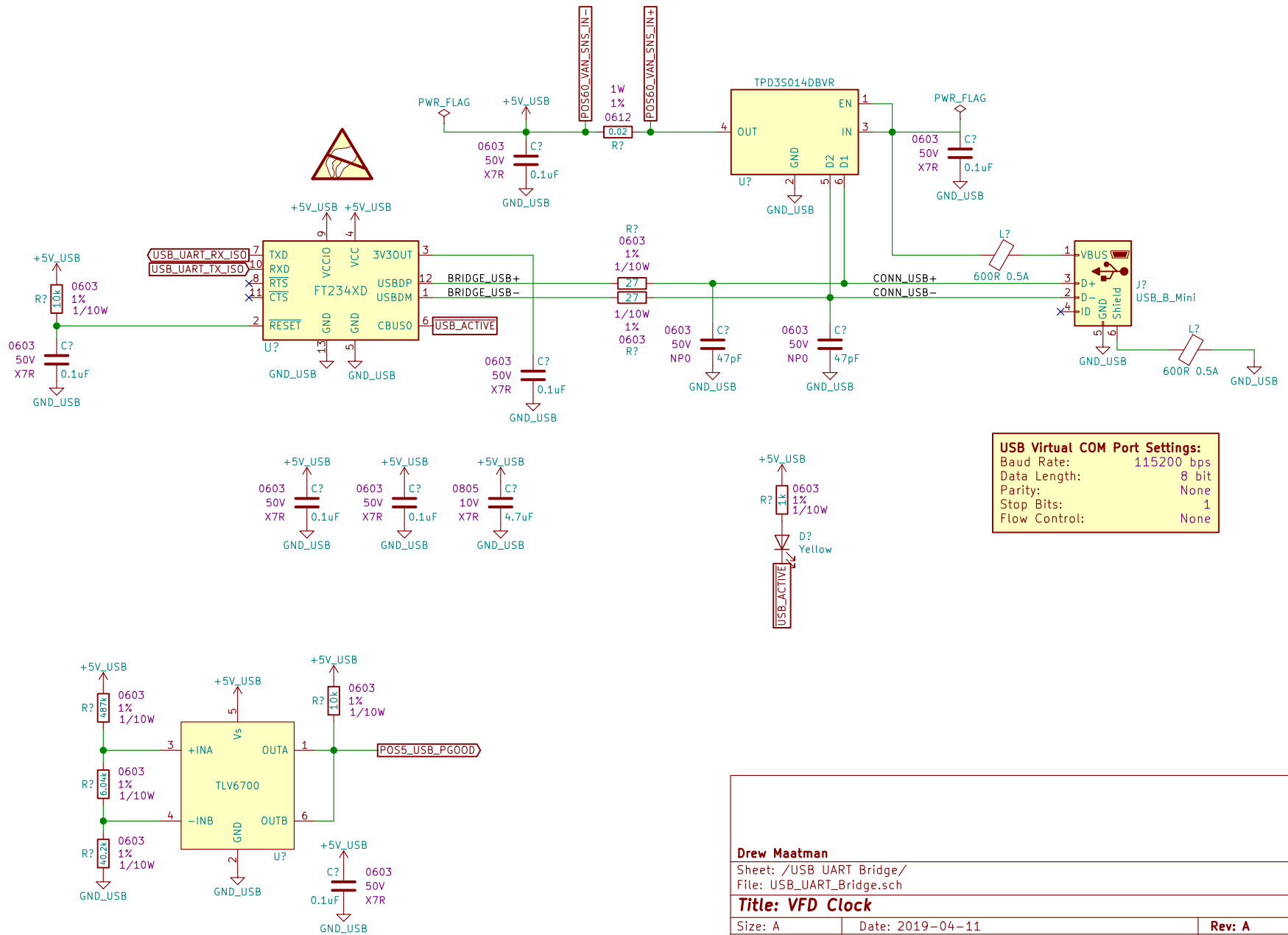
Rev: A
Id: 3/29

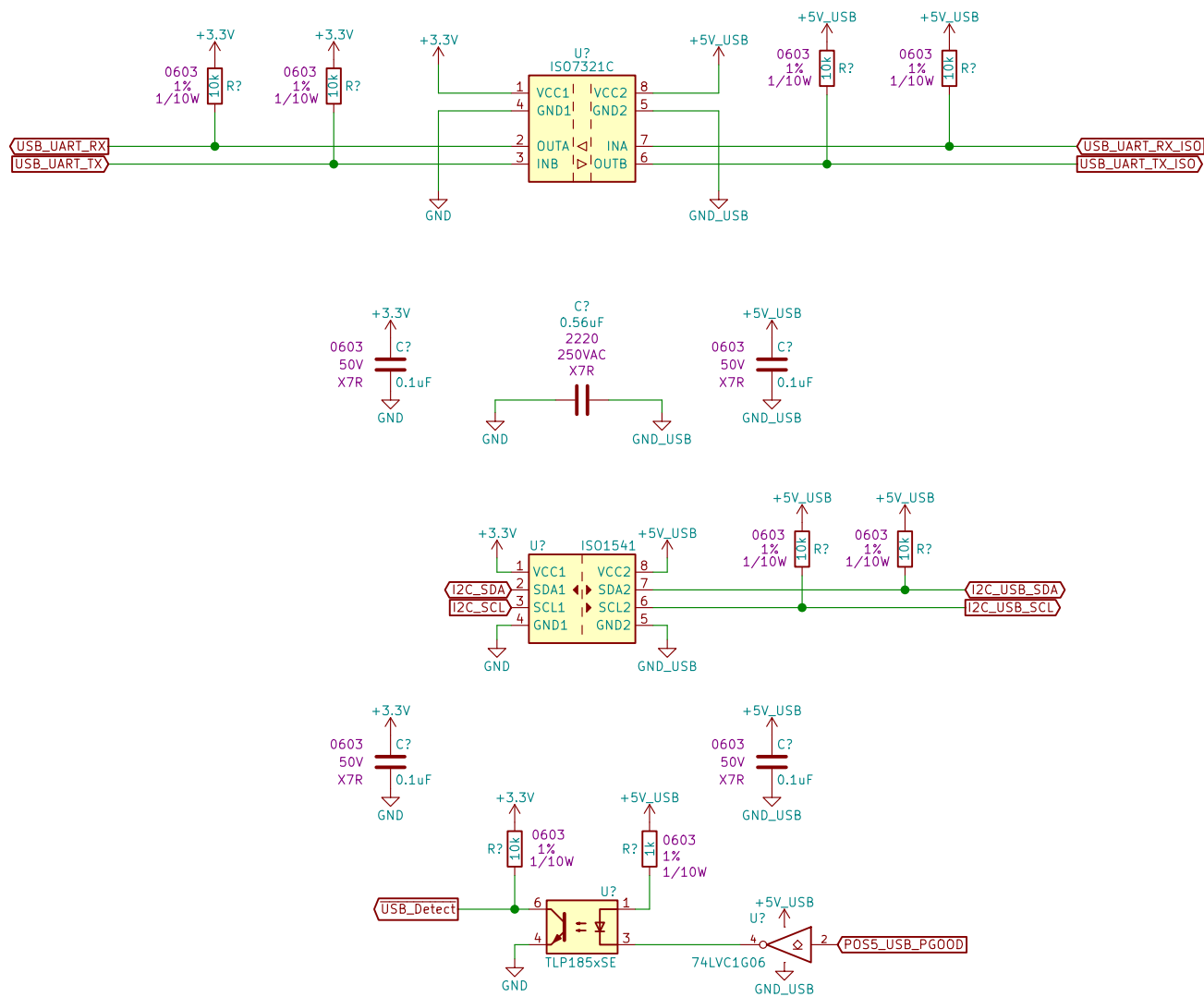




Drew Maatman		
Sheet: /+3.3V BCKP Supply/ File: POS3P3_BCKP_Supply.sch		
Title: VFD Clock		
Size: A	Date: 2019-04-11	Rev: A
KiCad E.D.A. kicad (5.1.4)-1		Id: 5/29

11. USB UART Bridge





Drew Maatman

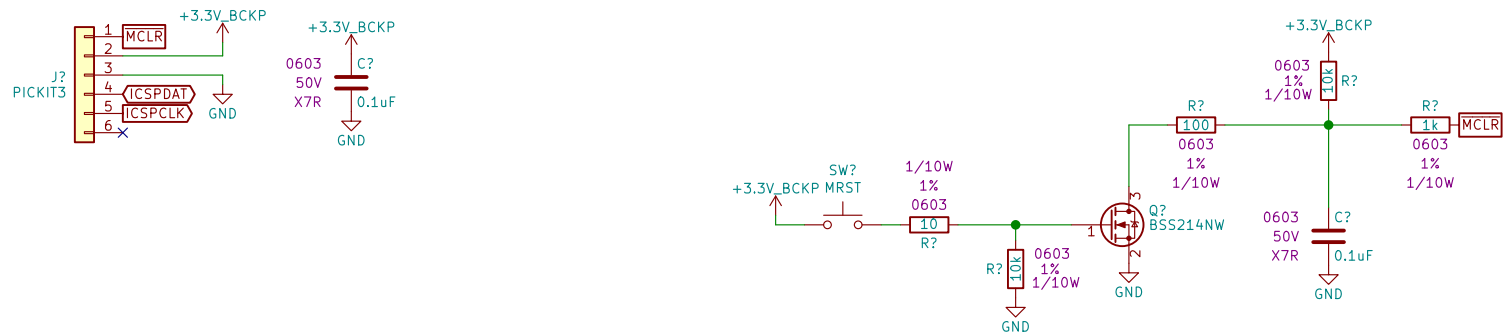
Sheet: /USB UART Isolation/
File: USB_UART_Isolation.sch

Title: VFD Clock

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

Rev: A
Id: 7/29

Microcontroller Programming



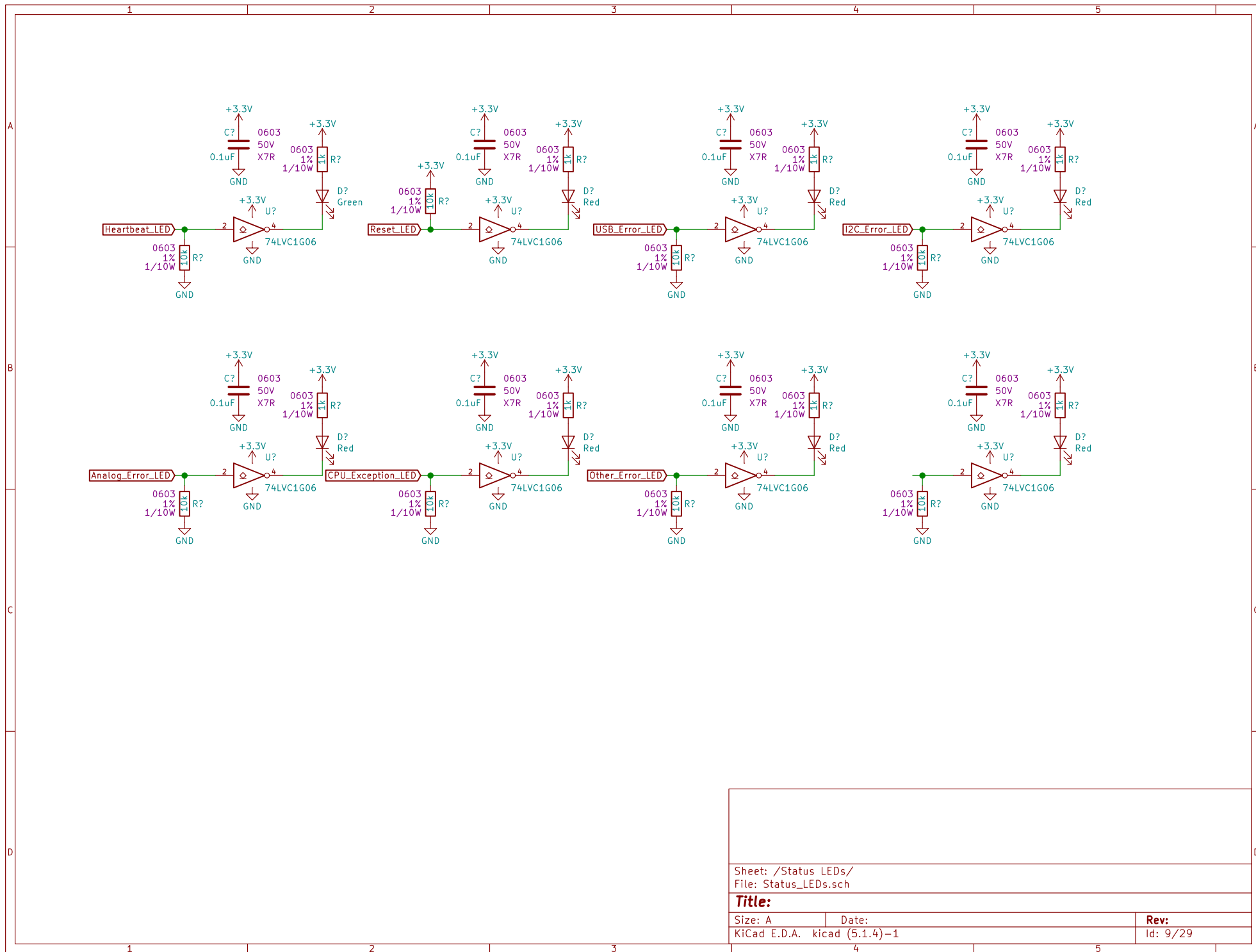
Drew Maatman

Sheet: /Microcontroller Programming/
File: Microcontroller_Programming.sch

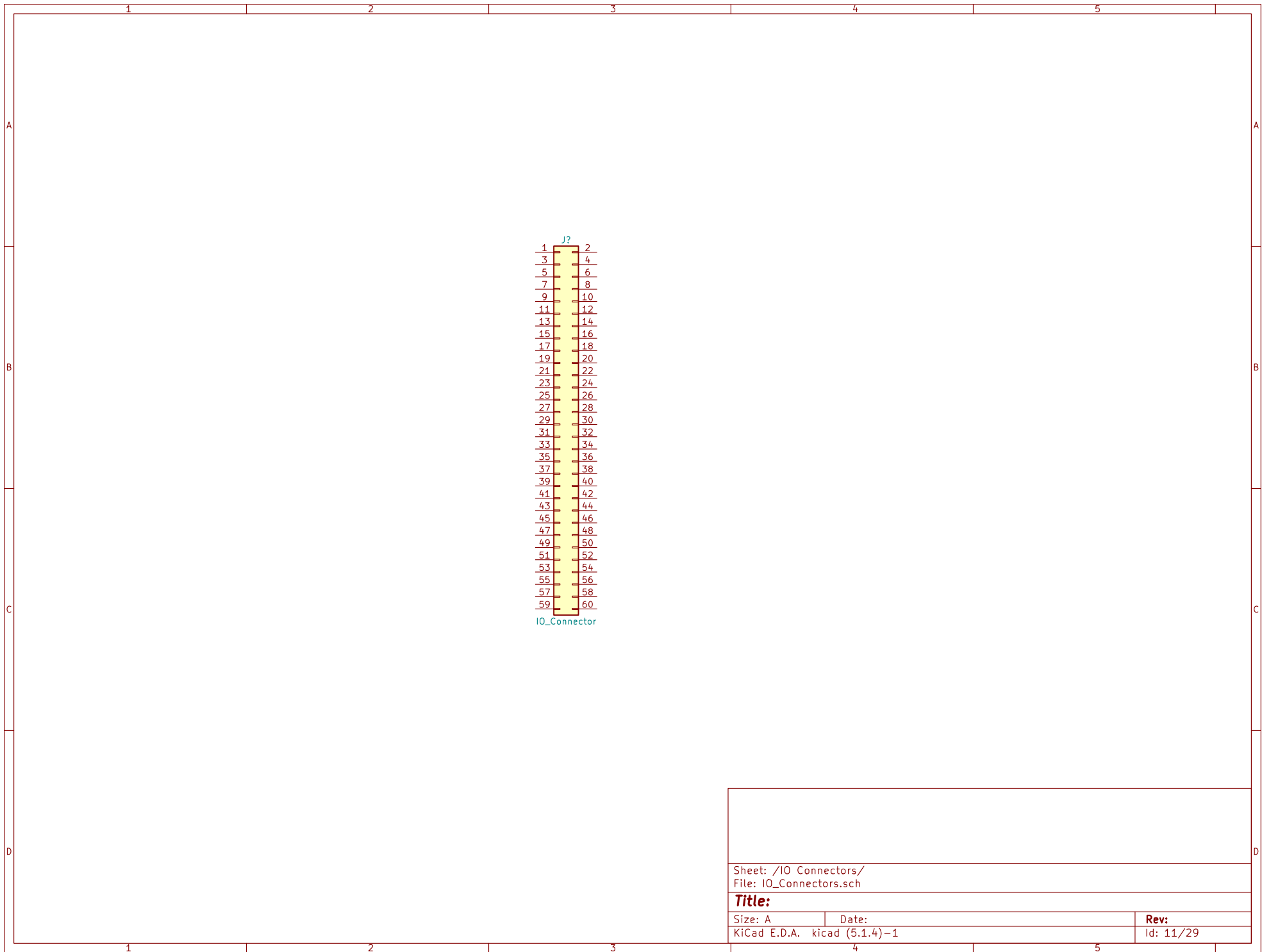
Title: VFD Clock

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

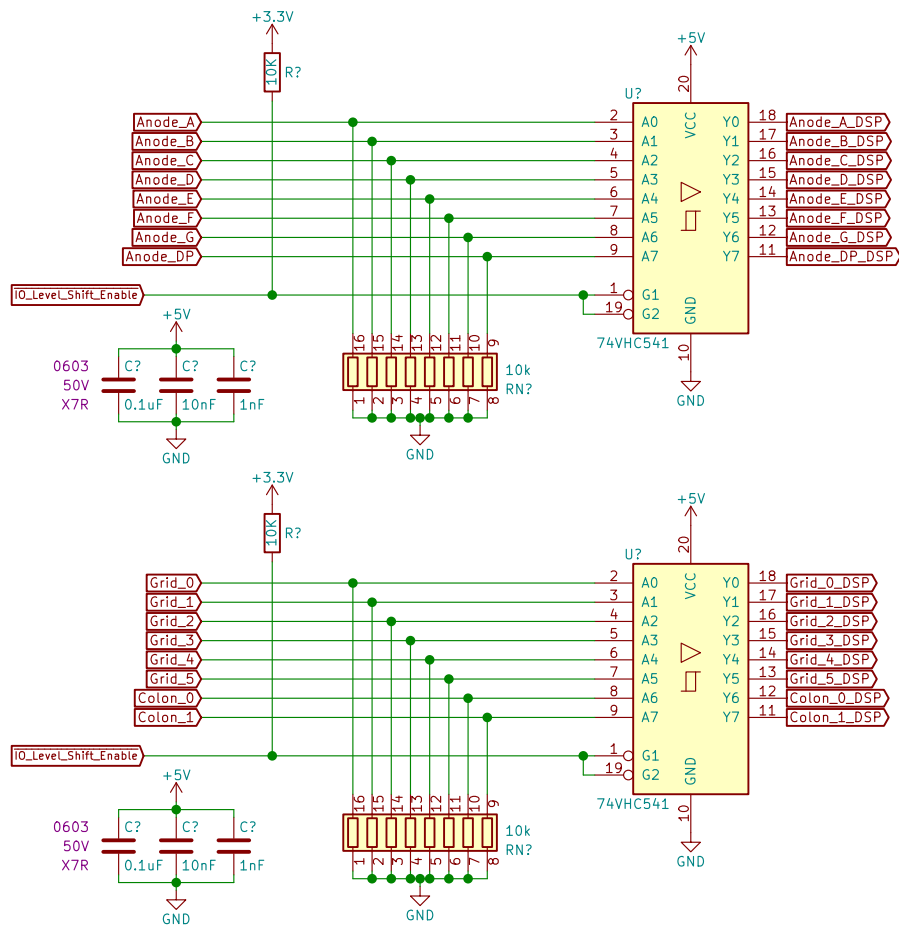
Rev: A
Id: 8/29



Sheet: /Status LEDs/ File: Status_LEDs.sch		
Title:		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.1.4)-1		Id: 9/29



I/O Buffers



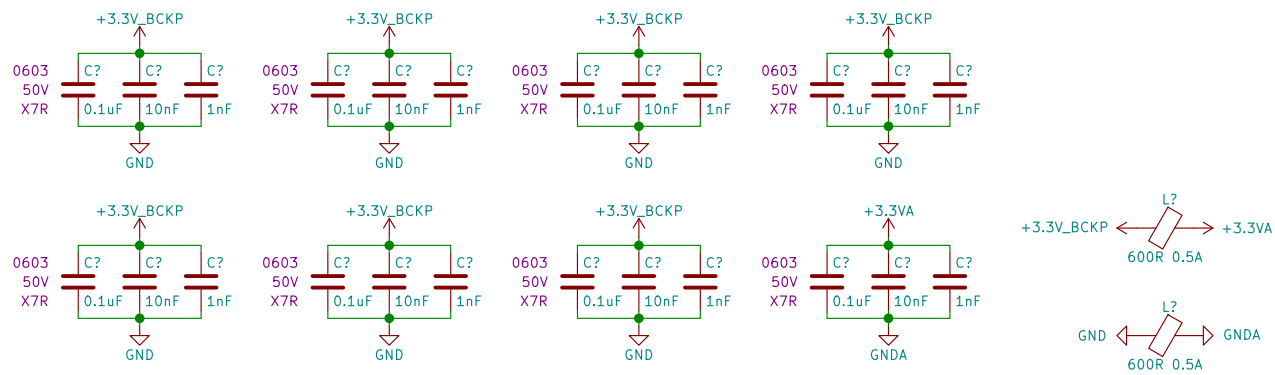
Marquette University Senior Design 2018/2019 Group E44

Sheet: /IO Buffers 1/
File: IO_Buffers_1.sch

Title: Electronic Display Logic Board

Size: A Date: 2018-12-15
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 12/29



Sheet: /Microcontroller Bypass/
File: Microcontroller_Bypass.sch

Title:

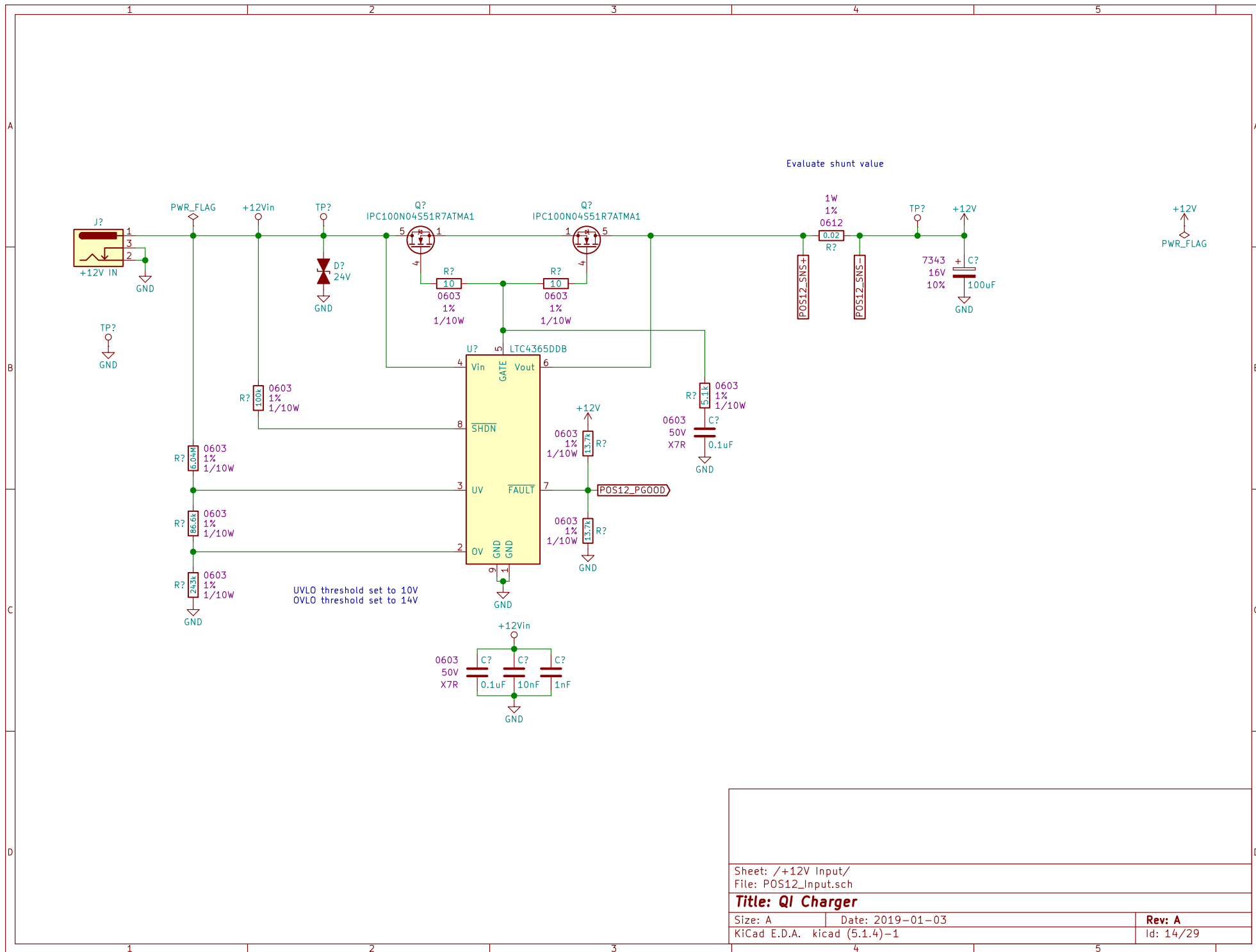
Size: A

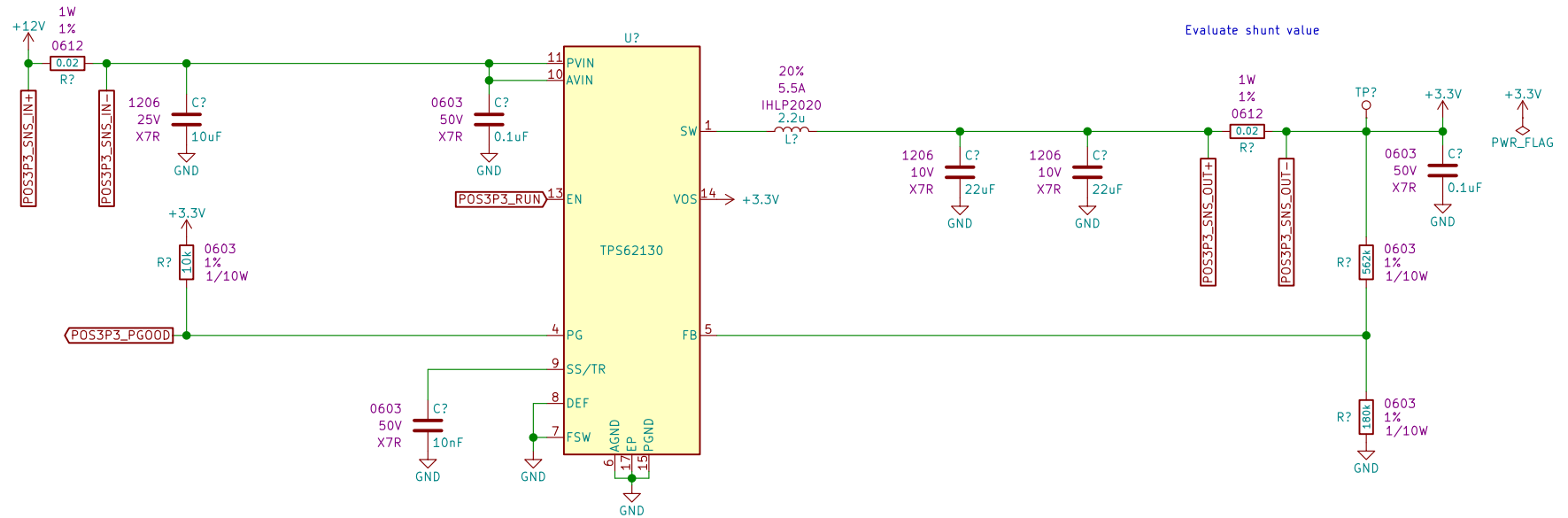
Date:

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

Rev:

Id: 13/29



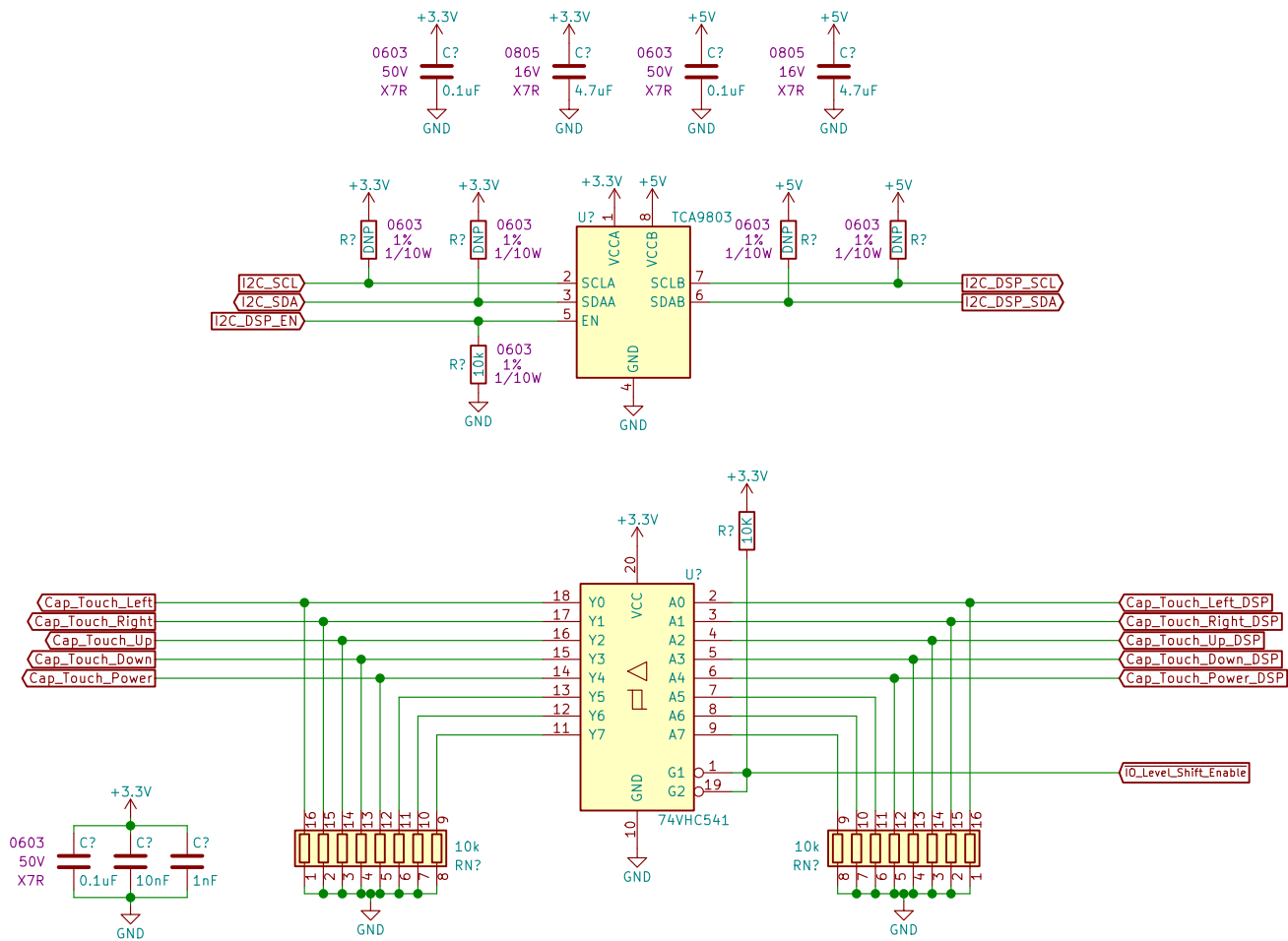


Sheet: /+3.3V Power Supply/
File: POS3P3_Power_Supply.sch

Title: QI Charger

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

Rev: A
Id: 15/29



Sheet: /IO Buffers 2/
File: IO_Buffers_2.sch

Title:

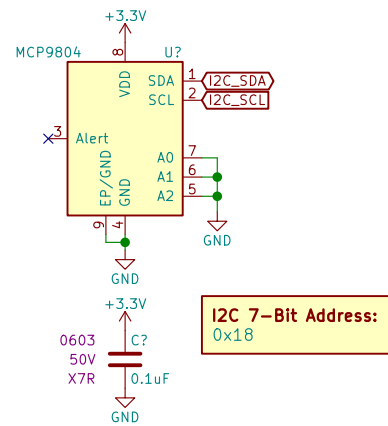
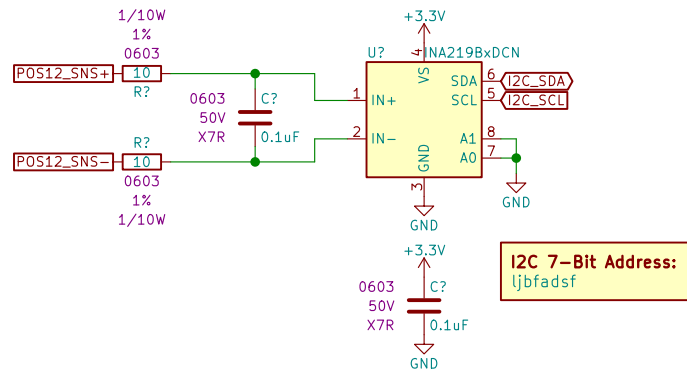
Size: A

Date:

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

Rev:

Id: 16/29



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

Title:

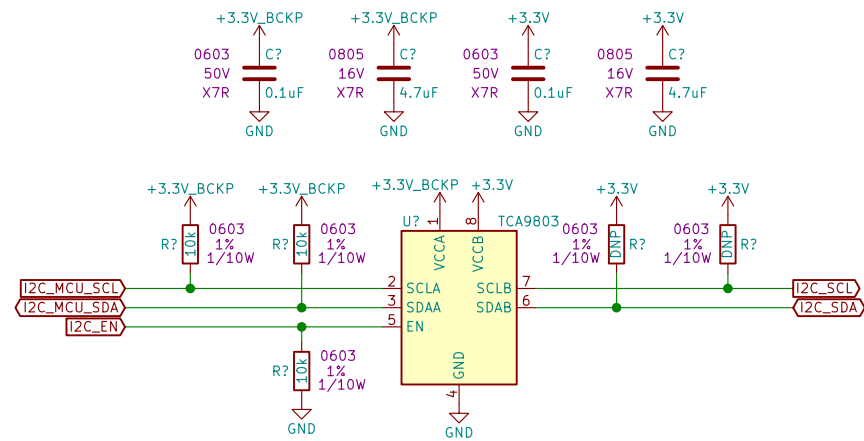
Size: A

Date:

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

Rev:

Id: 17/29



Sheet: /I2C Buffer/
File: I2C_Buffer.sch

Title:

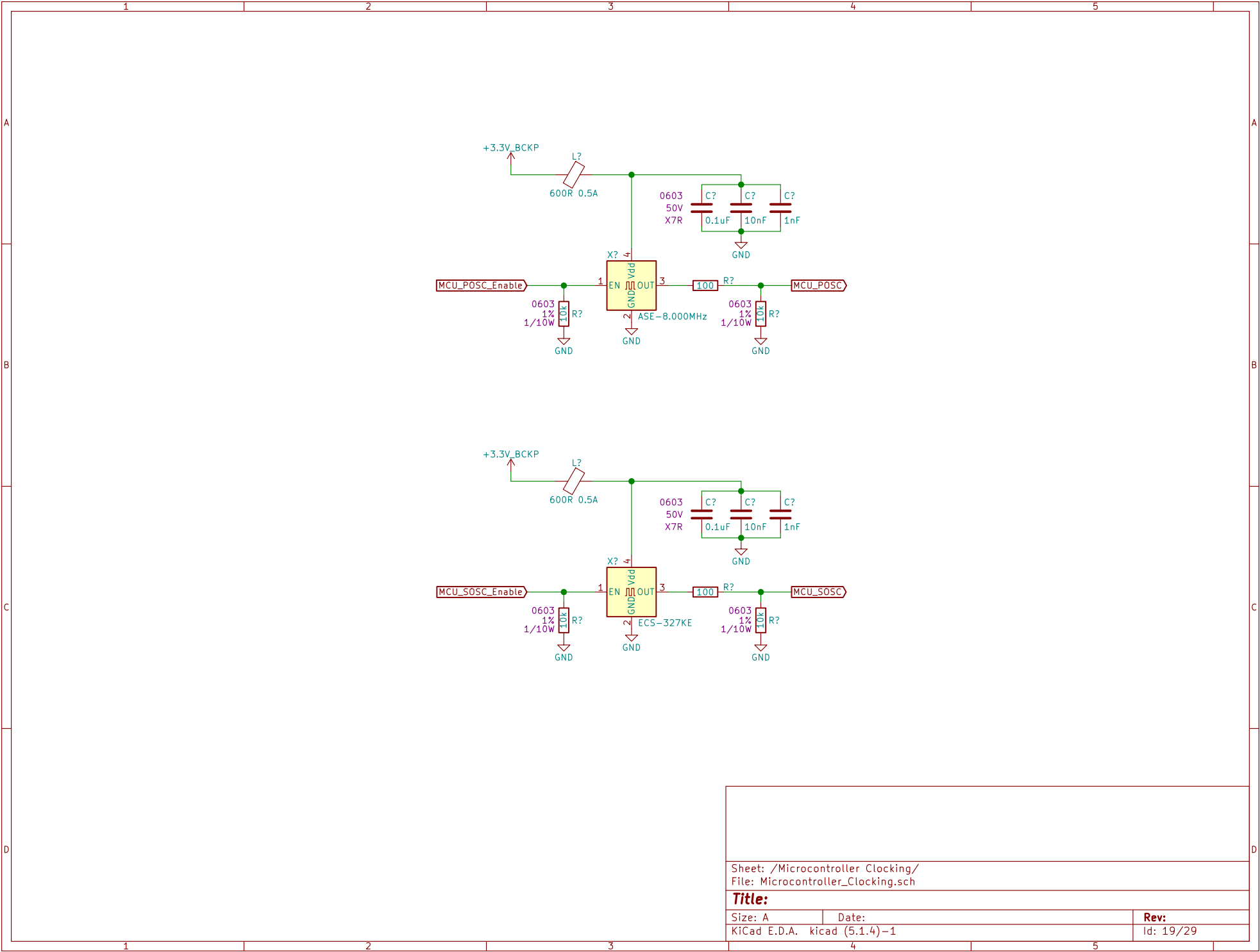
Size: A

Date:

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

Rev:

Id: 18/29



Sheet: /Microcontroller Clocking/
File: Microcontroller_Clocking.sch

Title:

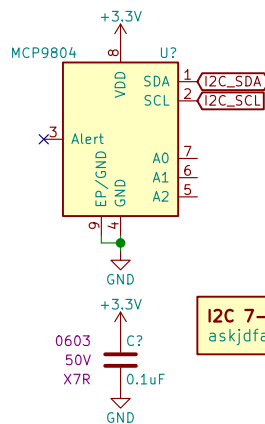
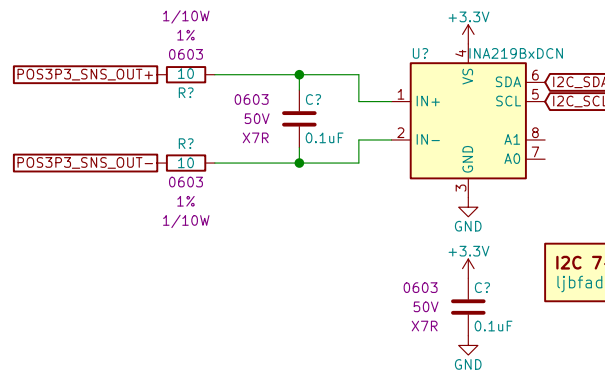
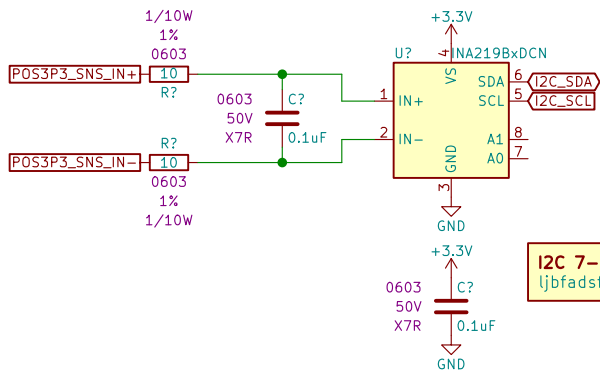
Size: A

Date:

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

Rev:

Id: 19/29



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

Title:

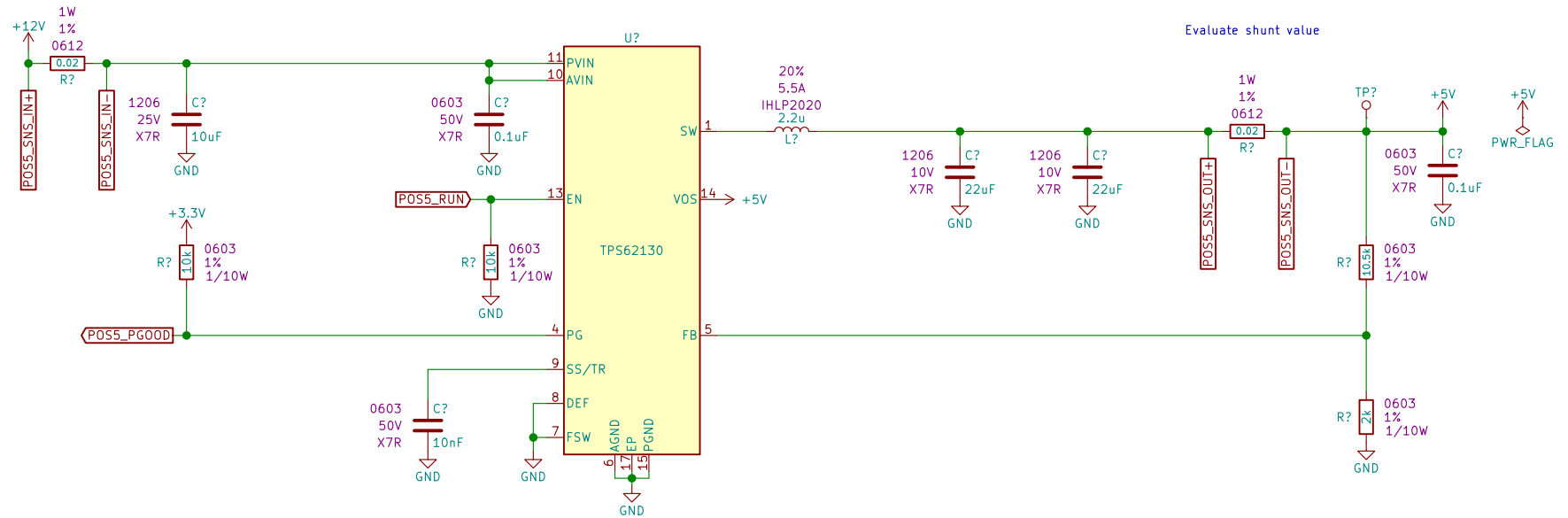
Size: A

Date:

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

Rev:

Id: 20/29

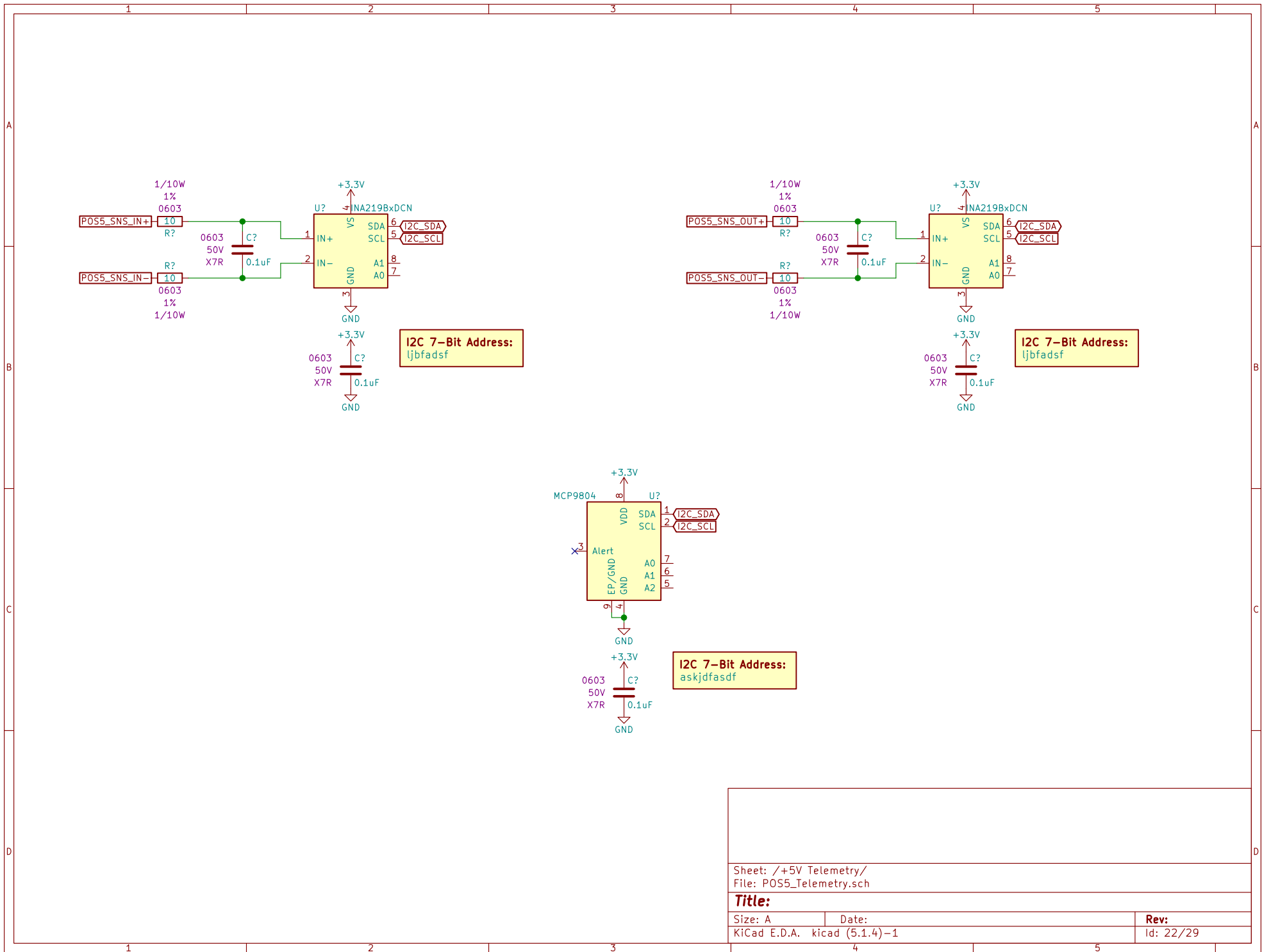


Sheet: /+5V Power Supply/
File: POS5_Power_Supply.sch

Title: QI Charger

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

Rev: A
Id: 21/29

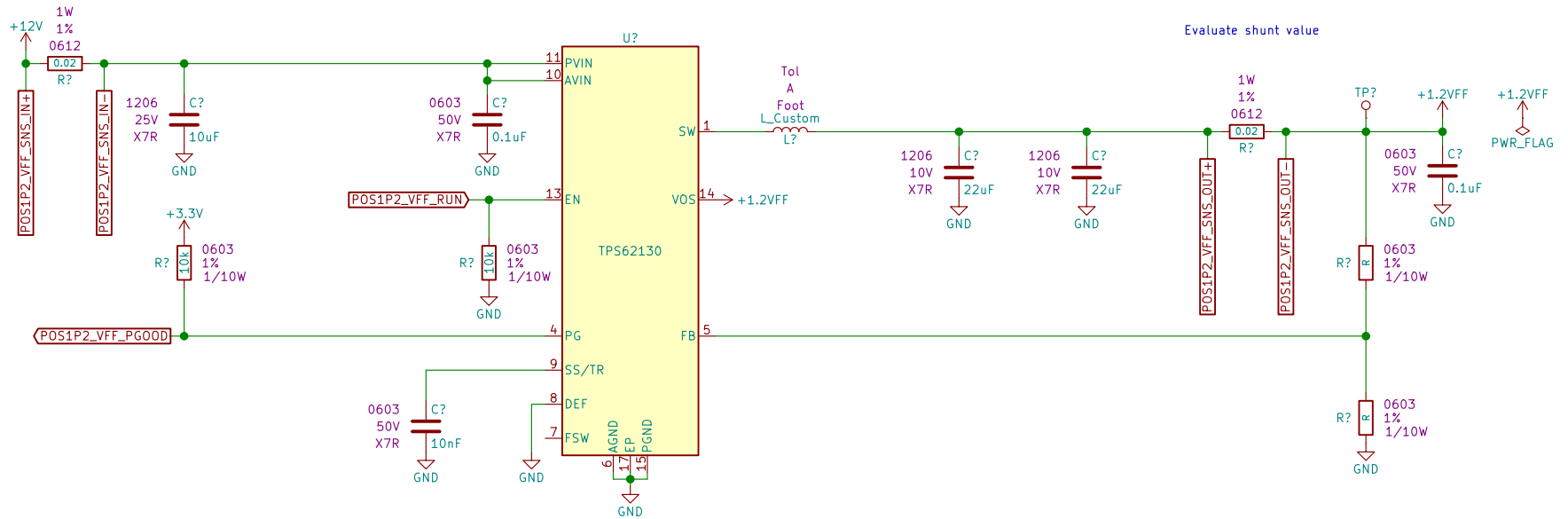


Sheet: /+5V Telemetry/
File: POS5_Telemetry.sch

Title:

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

Rev:
Id: 22/29

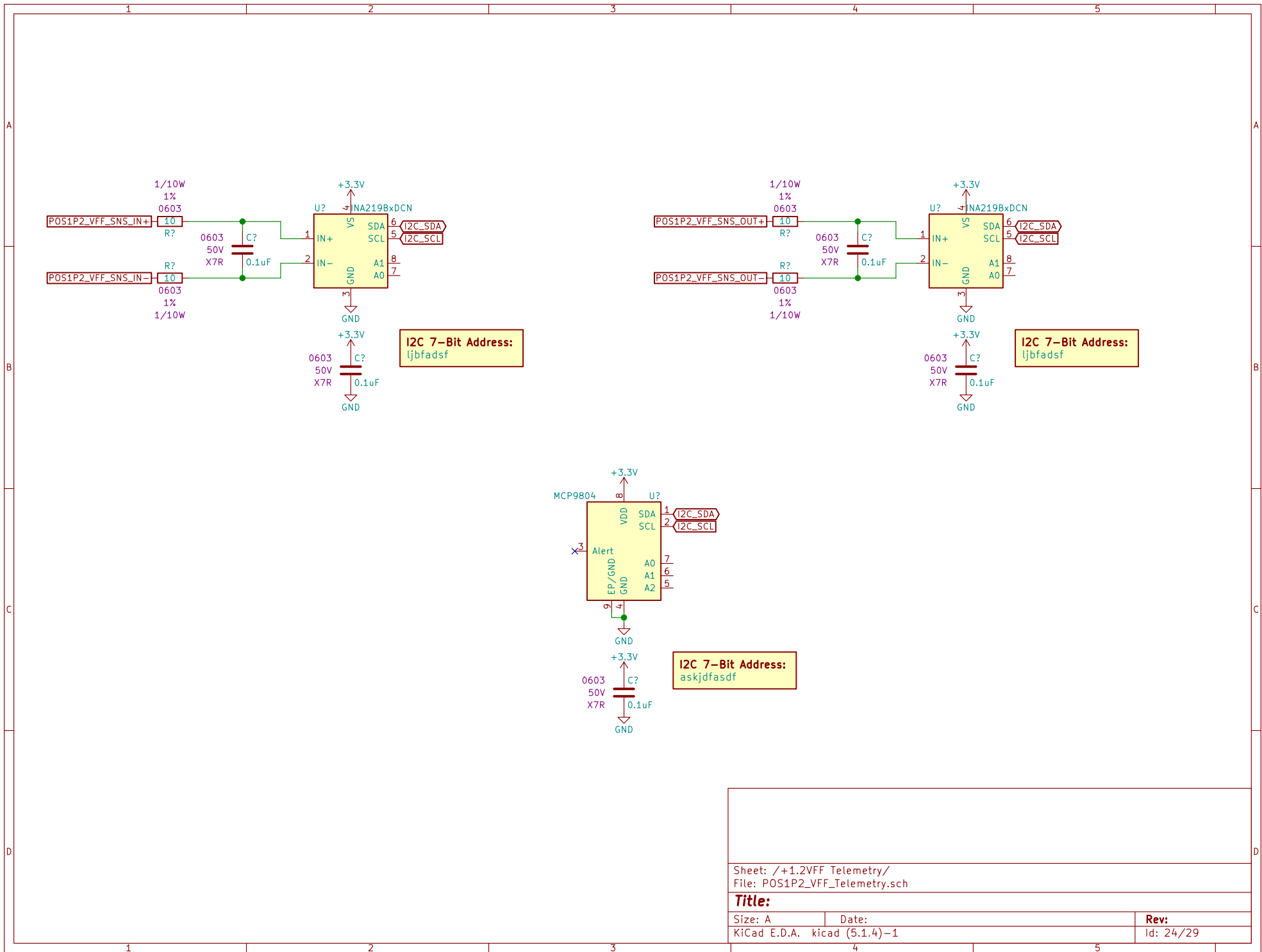


Sheet: /+1.2VFF Power Supply/
File: POS1P2_VFF_Power_Supply.sch

Title: QI Charger

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

Rev: A
Id: 23/29



Sheet: /+1.2VFF Telemetry/
File: POS1P2_VFF_Telemetry.sch

Title:

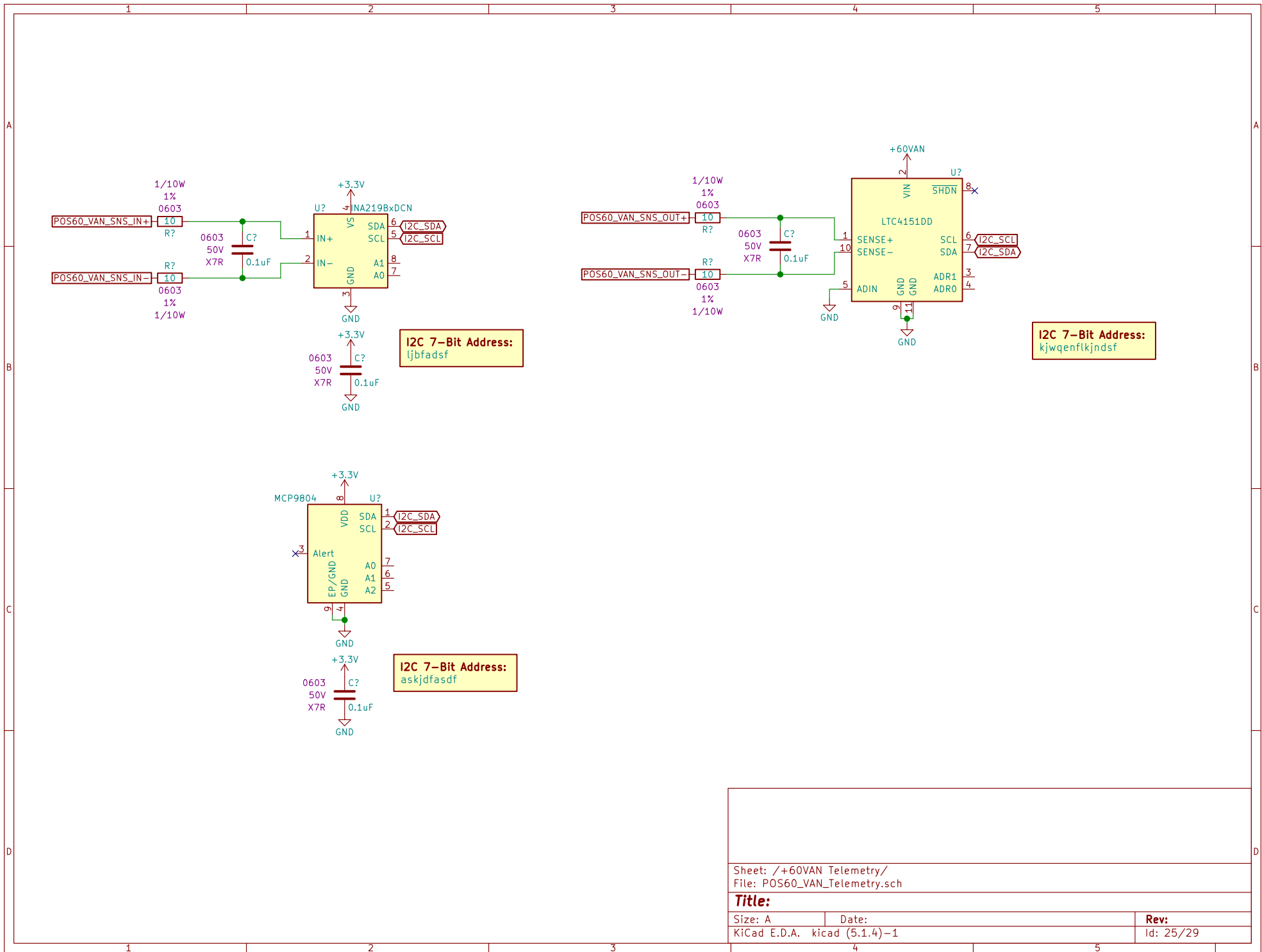
Size: A

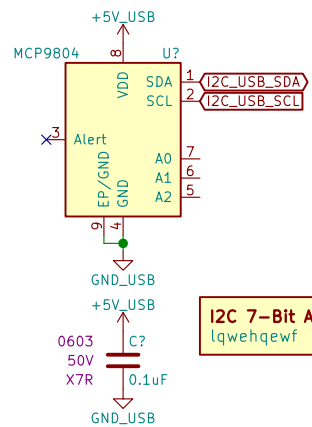
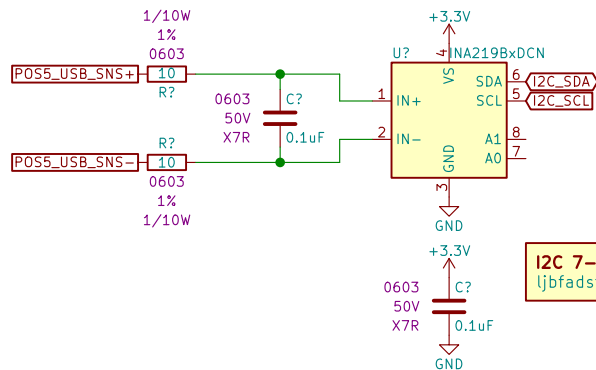
Date:

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

Rev:

Id: 24/29





Sheet: /USB Telemetry/
File: USB_Telemetry.sch

Title:

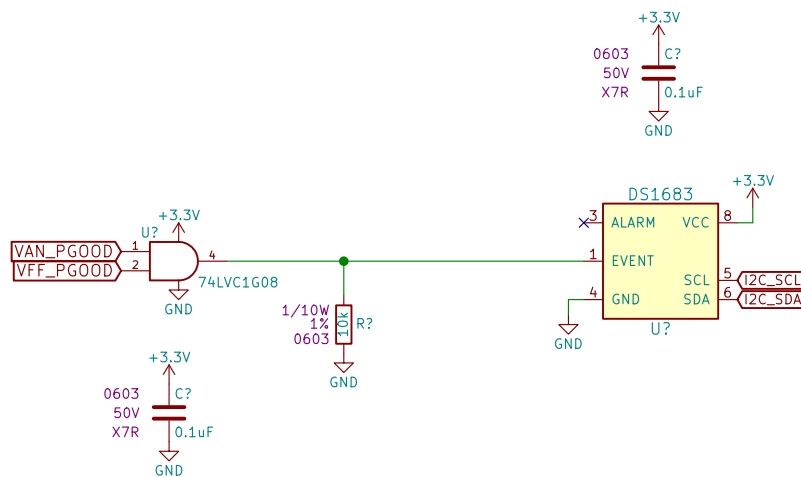
Size: A

Date:

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

Rev:

Id: 26/29



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

Title:

Size: A

Date:

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

Rev:

Id: 27/29

