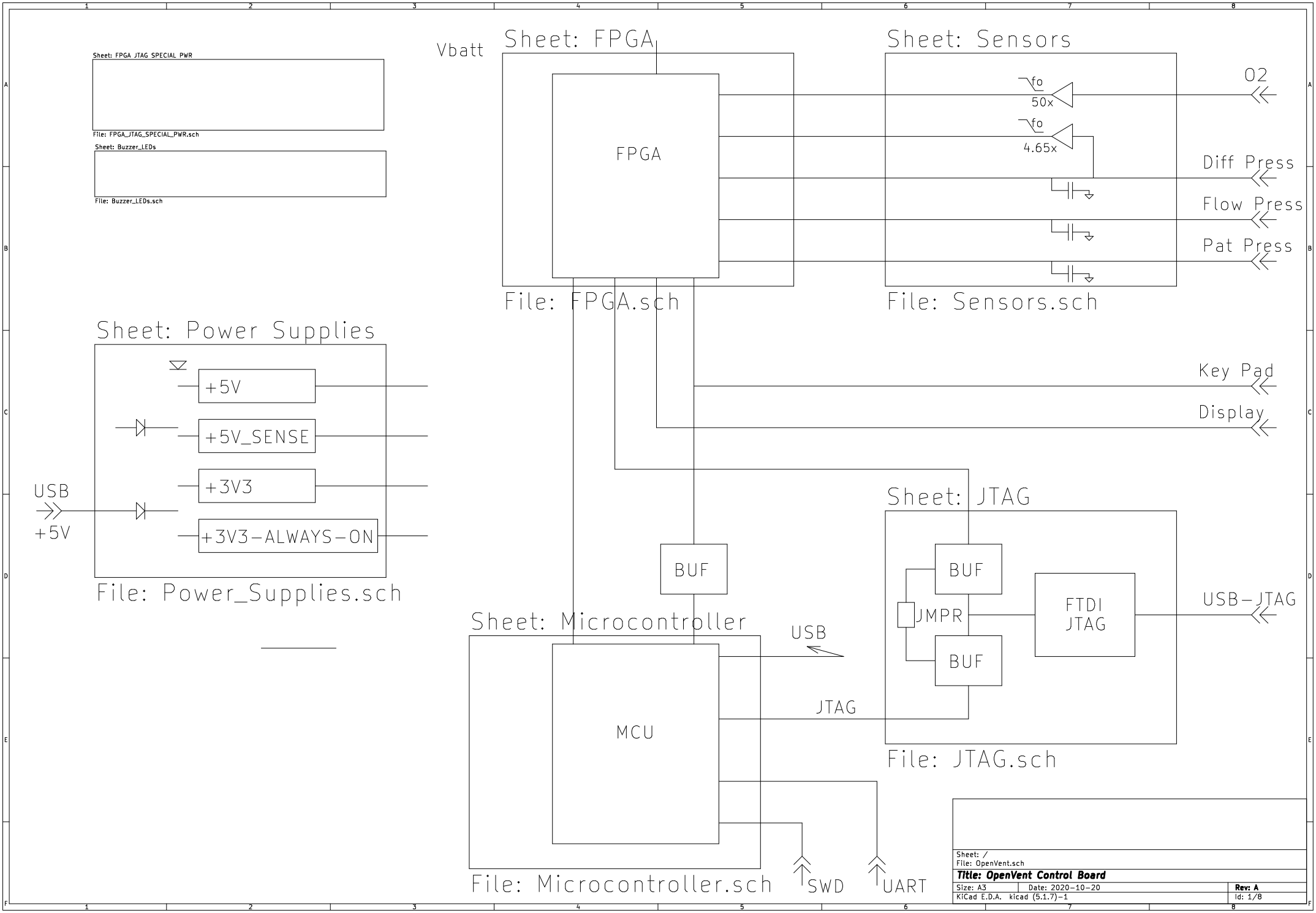
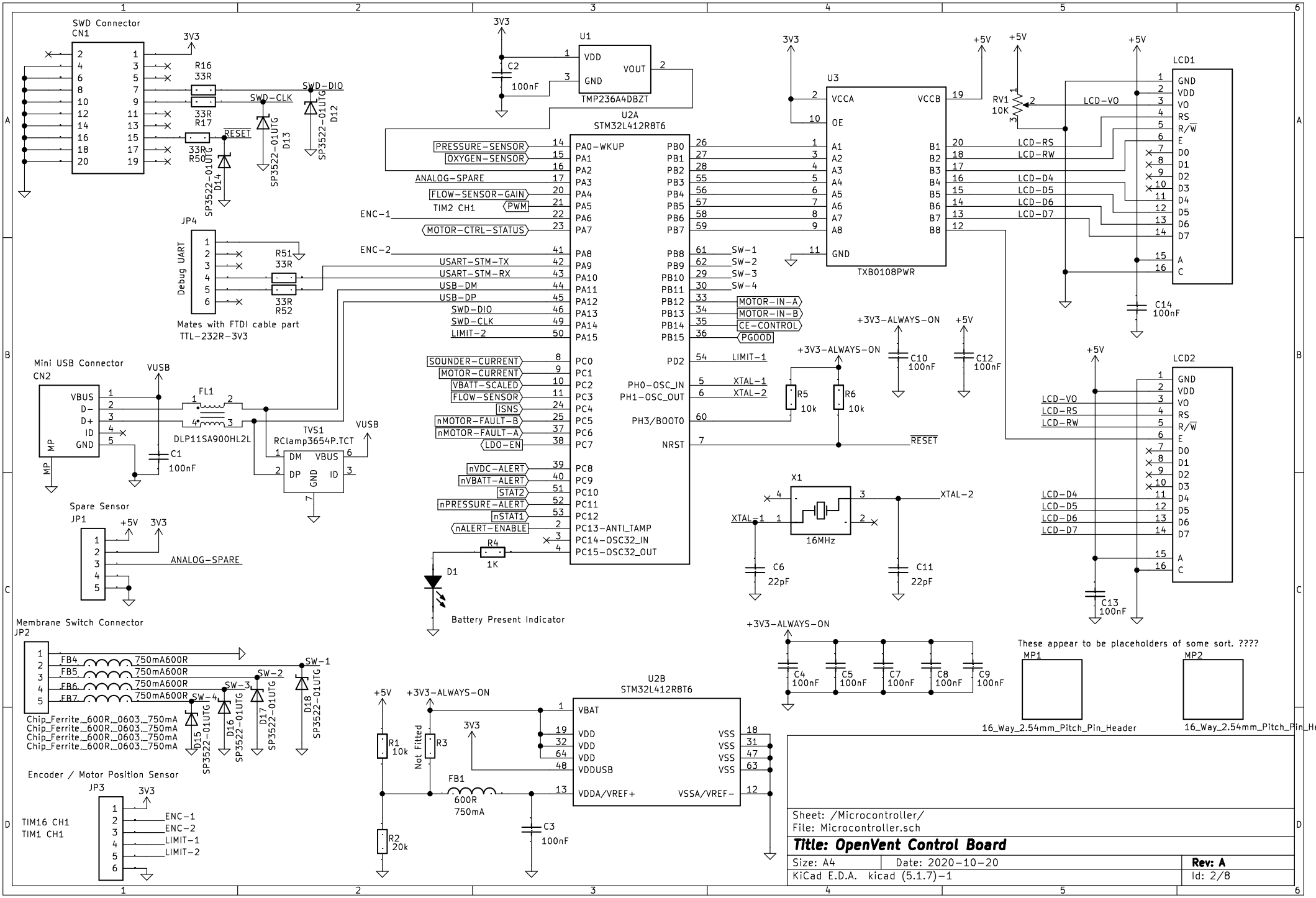
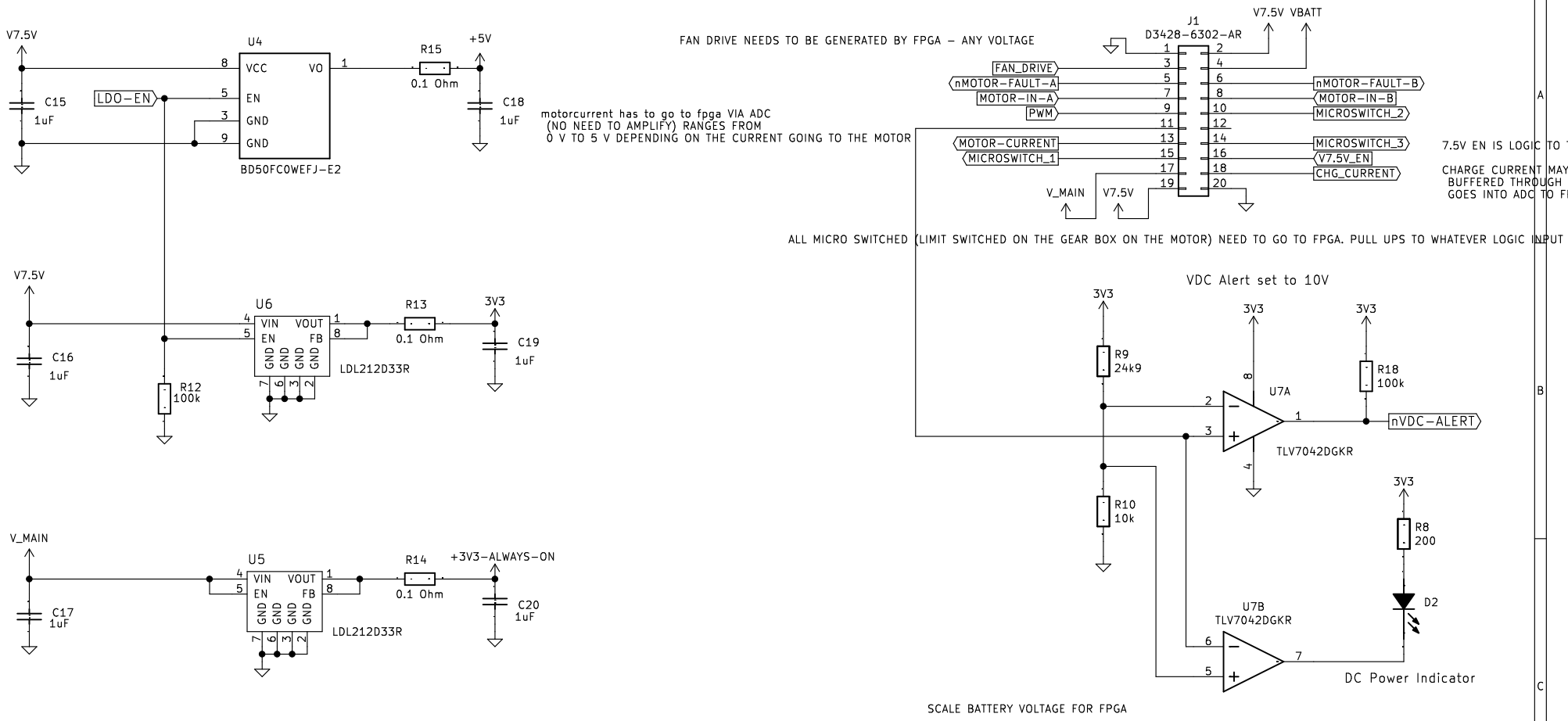
VBATT IS 12V BUT CAN GO UP TO 14V

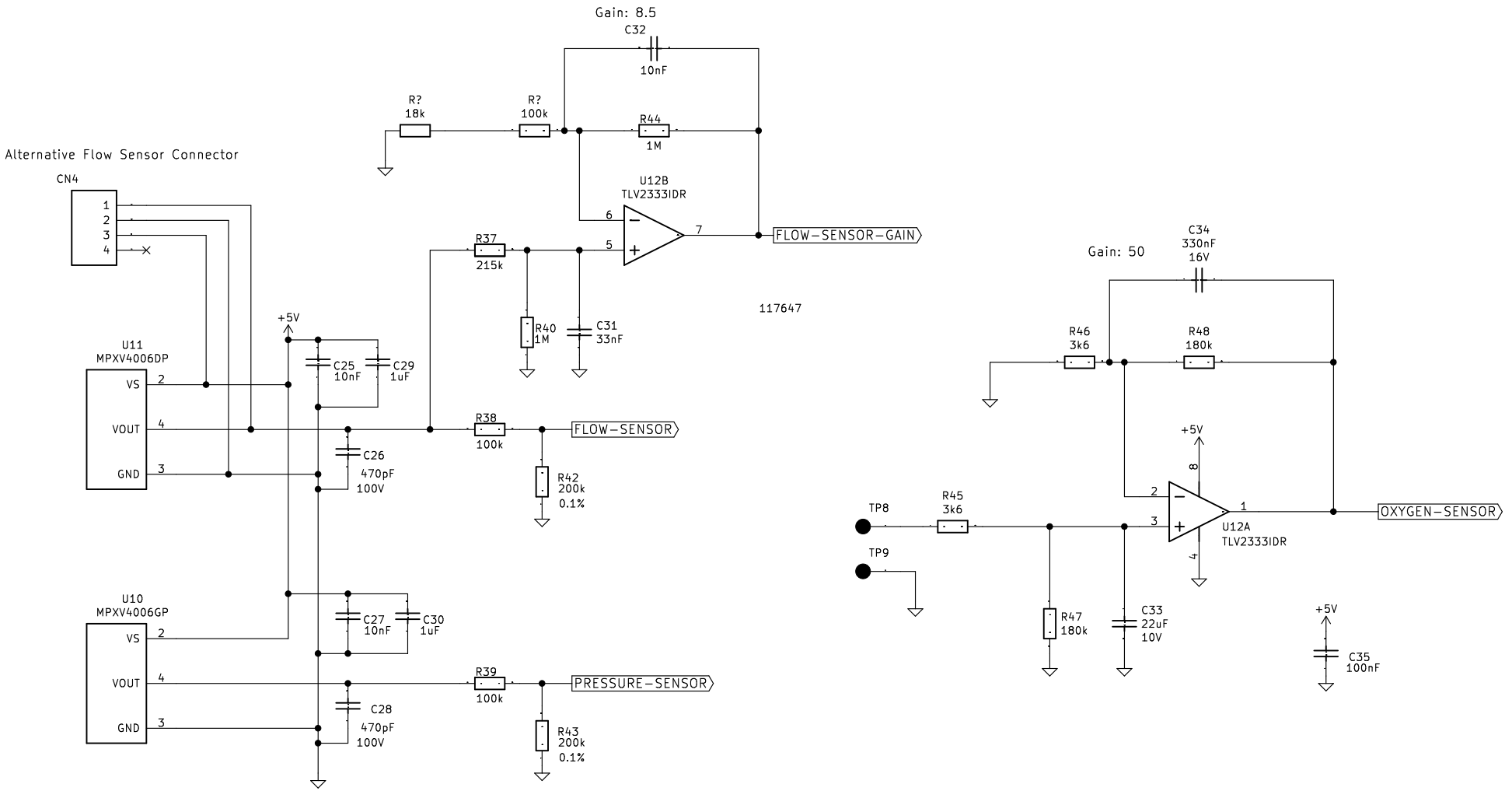




VBATT DOESN'T NEED TO GO INTO MCU IF GOING INTO FPGA
OXYGEN SENSOR MAYBE DOENS'T NEED TO GO TO MCU?



Sheet: /Power Supplies/		
File: Power_Supplies.sch		
Title: OpenVent Control Board		
Size: A4	Date: 2020-10-20	**Rev: A**
KiCad E.D.A. kicad (5.1.7)-1		Id: 3/8



MAKE TWO OF THE 6GP

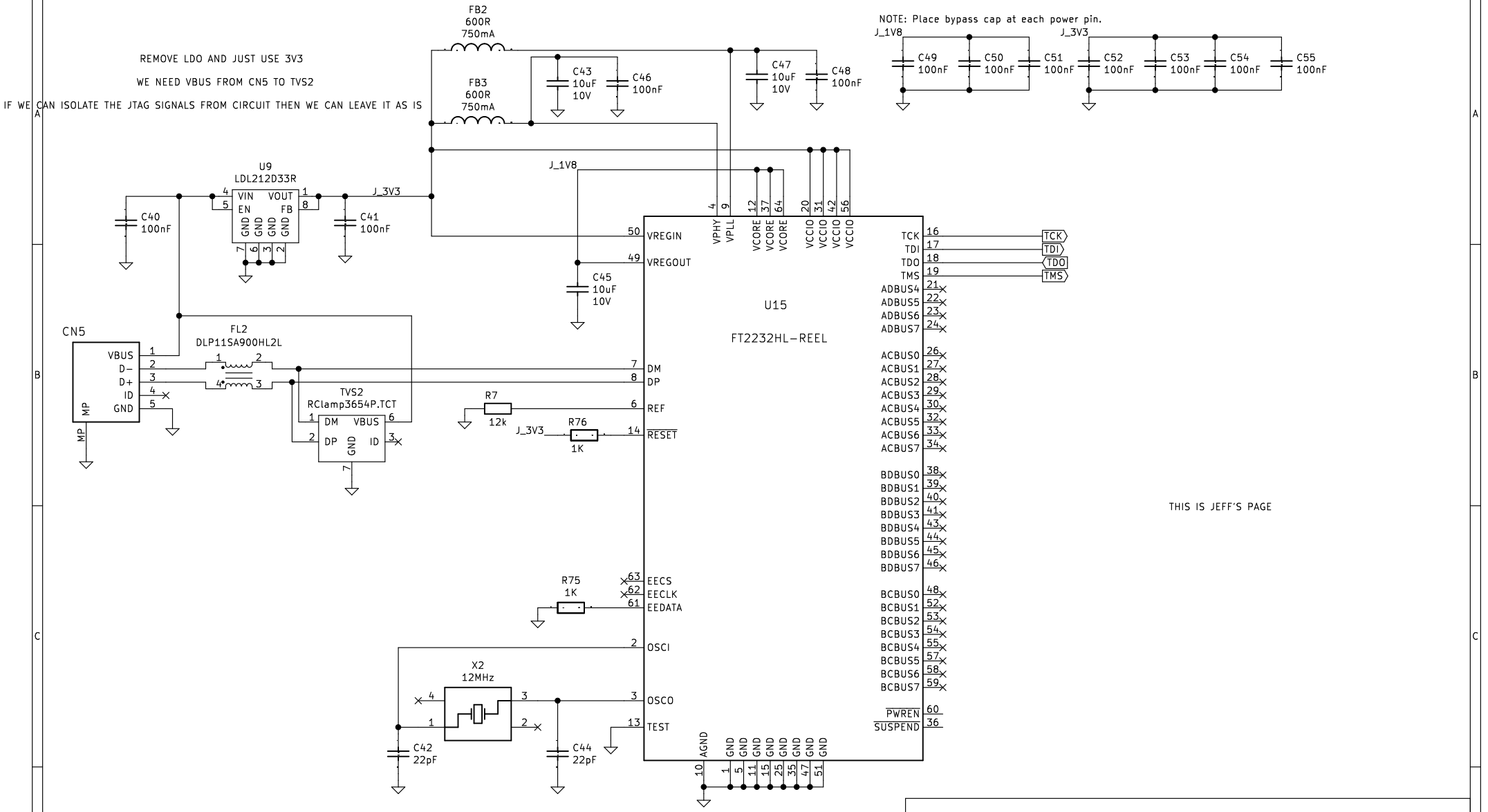
Darren's Flow senser, maybe plus opamps or whatever is needed

https://drive.google.com/file/d/1mZiFeJ4HfEkPdwHjtlVVL5XULqvMIZ-r/view

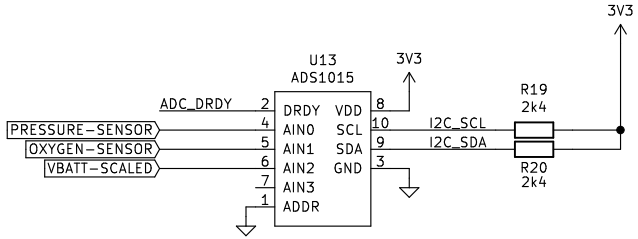
Speak with DON ABOUT THE LACK OF PINS FOR EXTRA SENSOR

Sheet: /Sensors/ File: Sensors.sch		
Title: OpenVent Control Board		
Size: A4	Date: 2020-10-20	**Rev: A**
KiCad E.D.A. kicad (5.1.7)-1		Id: 4/8

This page is prepared for the FPGA power supply aswell as the JTAG USB interface



Sheet: /JTAG/		
File: JTAG.sch		
Title: OpenVent Control Board		
Size: A4	Date: 2020-10-20	**Rev: A**
KiCad E.D.A. kicad (5.1.7)-1		Id: 5/8



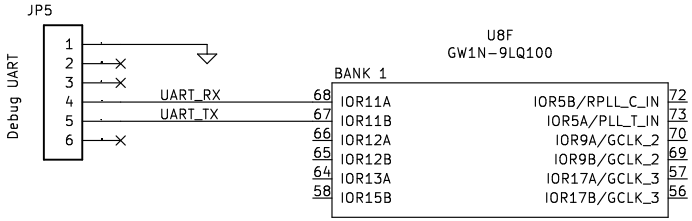
DRDY CHECK IF NEEDS PULL UP

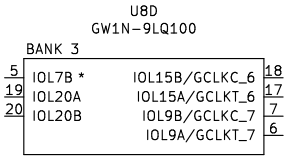
ADD BAROMETRIC PRESSURE SENSOR – WAITING FOR PART NUMBER FROM TOM

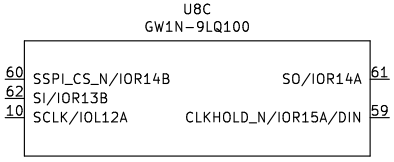
stuff that the FPGA needs for support

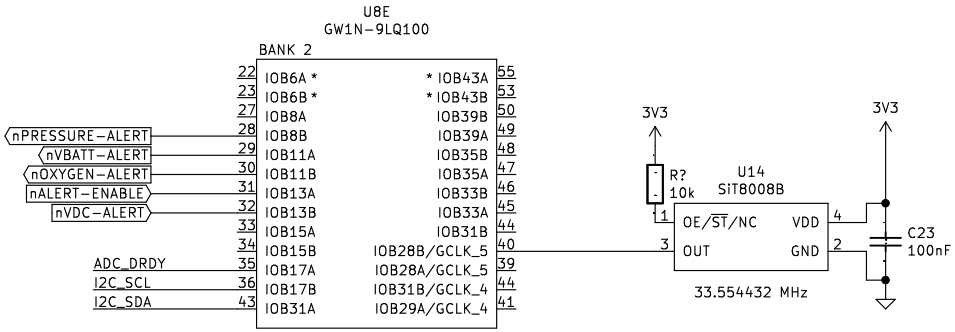
ADC COMPARATER STUFF AS PER RICK'S MESSAGE (USE SAME FROM POWER SUPPLY PAGE)

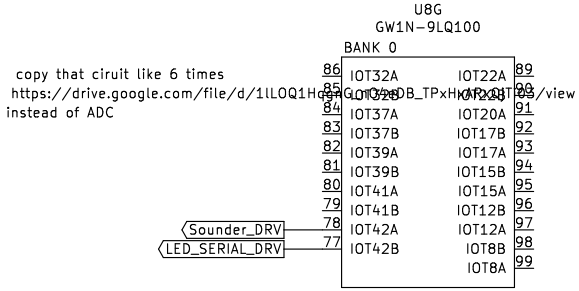
2 x NHD-0216K1Z-FL-YBW





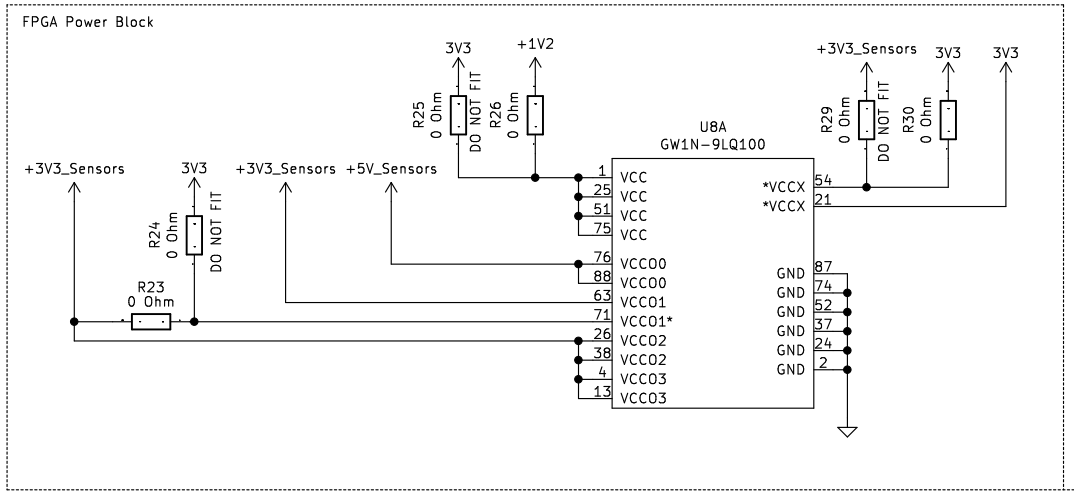


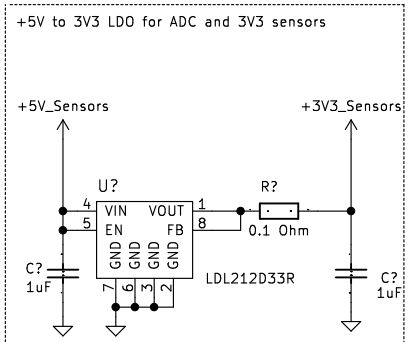


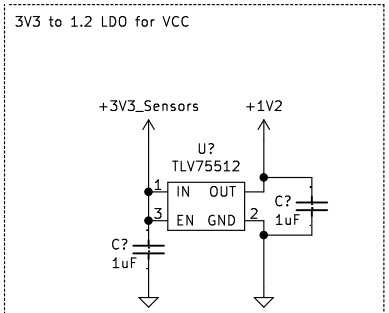


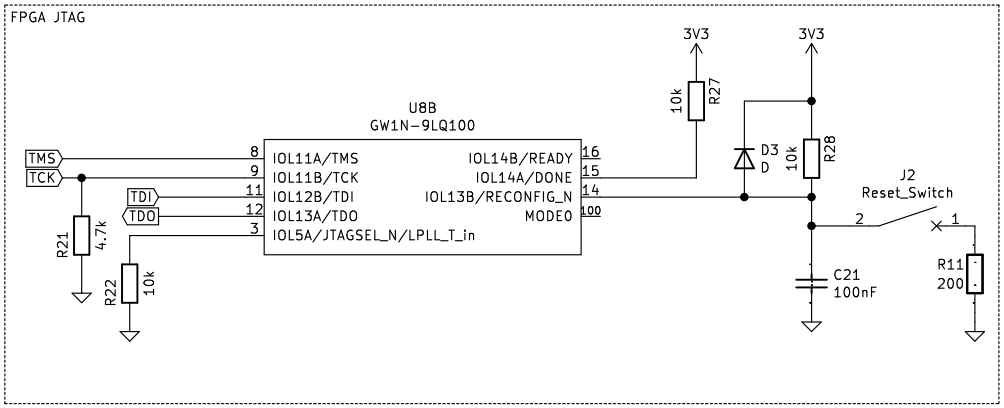
MEMBRANE SWITCH CONNECTORS

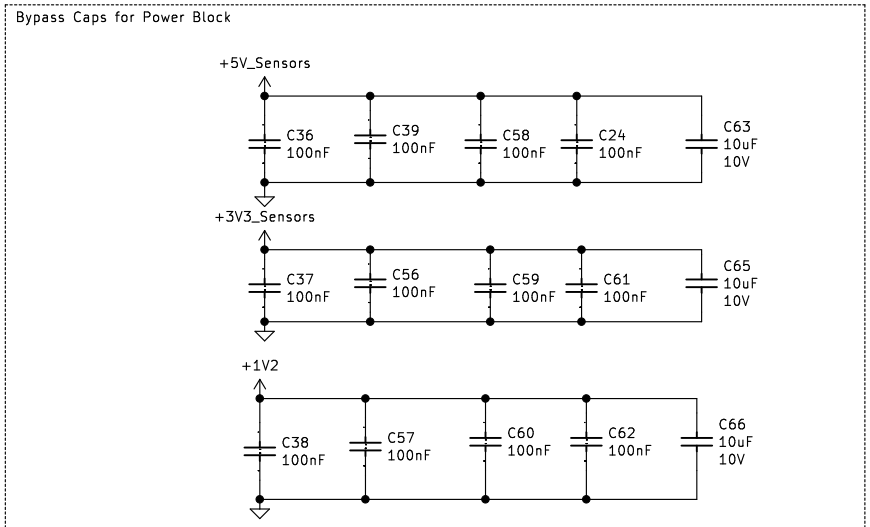
Sheet: /FPGA/		
File: FPGA.sch		
Title: OpenVent Control Board		
Size: A4	Date: 2020-10-20	**Rev: A**
KiCad E.D.A. kicad (5.1.7)-1		Id: 6/8







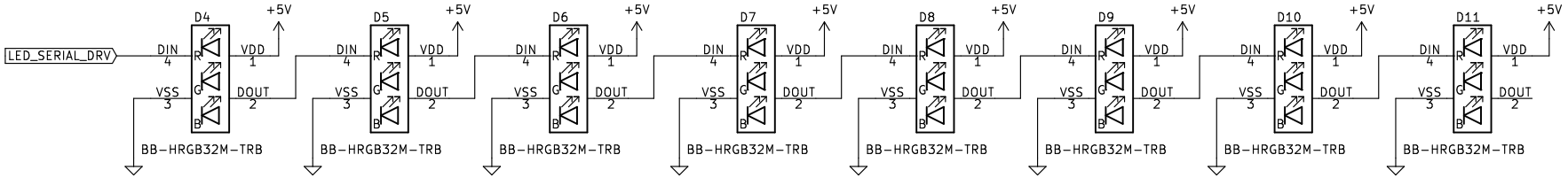




Sheet: /FPGA JTAG SPECIAL PWR/
File: FPGA_JTAG_SPECIAL_PWR.sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.7)-1		Id: 7/8



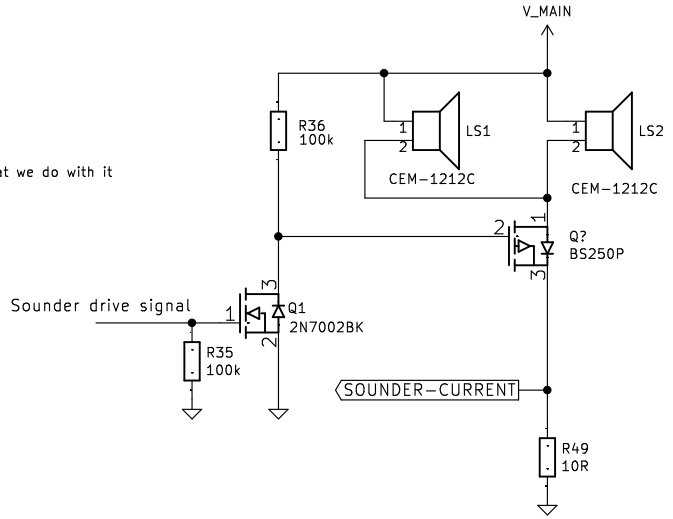
Put a 100nF on the end and one in the middle

Sounder current, what is it? feedback signal that indigates that the beeper is working. We need to know what that signal looks like and the figure out what we do with it

sounder drive is ggoing to be 3v3 or 5v

Sounder drive will be global thing too, comingf from the FPGA

Sounder current coming into pin 8 on the micro



Sheet: /Buzzer_LEDs/ File: Buzzer_LEDs.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.7)-1		Id: 8/8