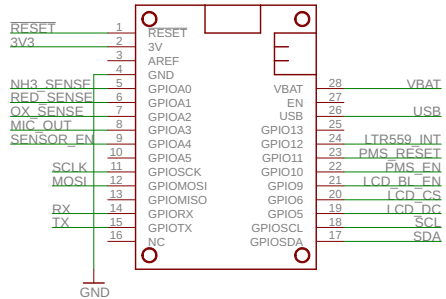
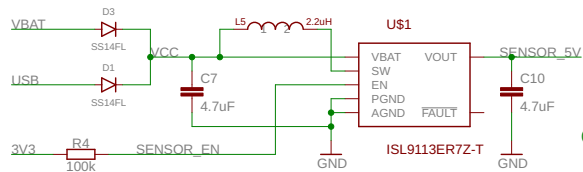


Enviro+ FeatherWing

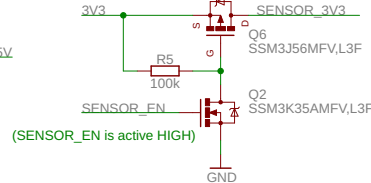
Feather connector



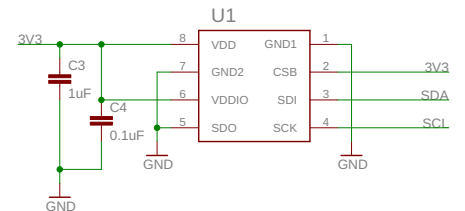
5V Boost converter



3V3 Sensor rail switch

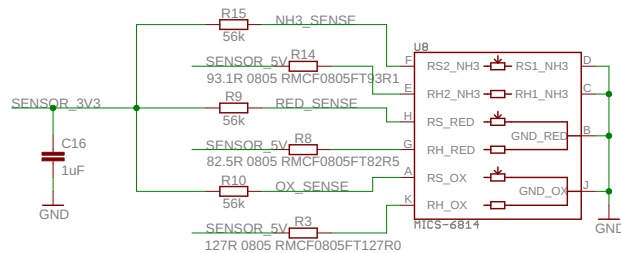


BME280 Temperature + Humidity + Pressure
I2C: 0x76
Current <1mA

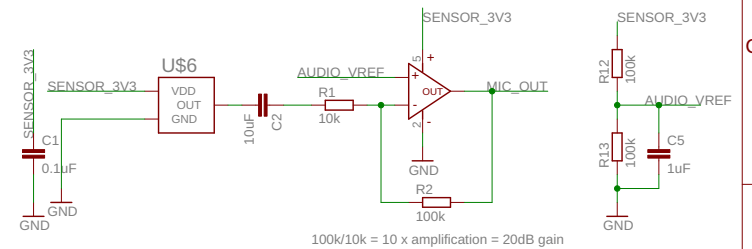


MICS-6814 Analog NO2 & CO & NH3 Sensor

OX (NO2): for 5V
R3 resistor target current: 26mA
R3 resistor selection: $(5V-1.7V)/.026A = 126.9 \text{ ohm}$
R3 resistor power = $.026A * .026A * 126.9 \text{ ohm} = 86mW$
RED (CO):
R8 resistor target current: 32mA
R8 resistor selection: $(5V-2.4V)/.032A = 81.3 \text{ ohm}$
R8 resistor power = $.032A * .032A * 81.3 \text{ ohm} = 83mW$
NH3:
R15 resistor target current: 30mA
R15 resistor selection: $(5V-2.2V)/.03A = 93.3 \text{ ohm}$
R15 resistor power = $.03A * .03A * 93.3 \text{ ohm} = 84mW$



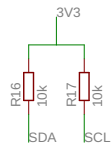
SPU0410HR5H Analog MEMS microphone + amplifier



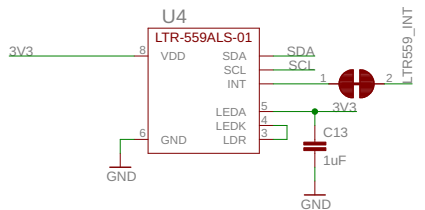
Reset switch



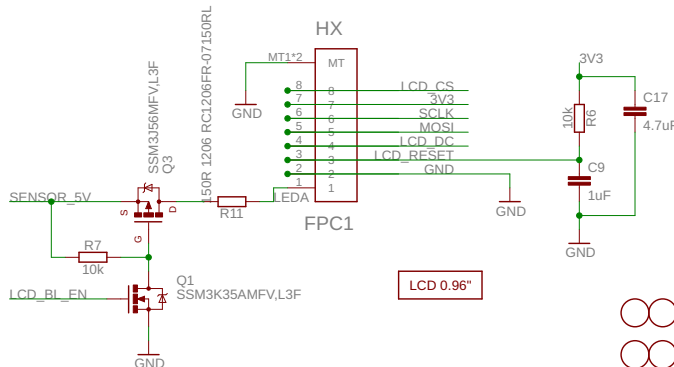
I2C pullups



LTR-559 digital light sensor



0.96" 160x80 LCD



Connection for PMS5003 / 7003 PM Sensor
Current < 100mA @ 5V

