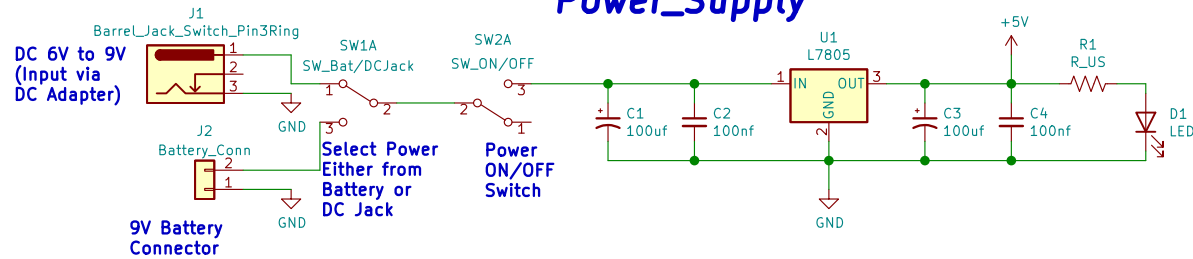
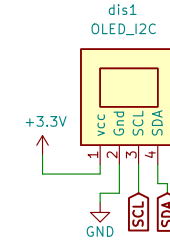


Power_Supply

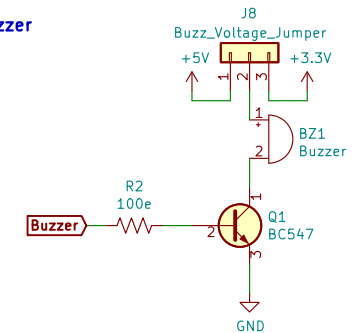


Outputs_ Interfacings

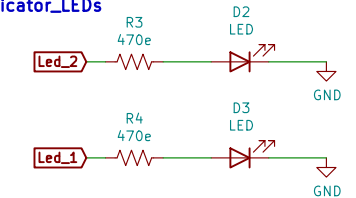
OLED Display
128 x 64



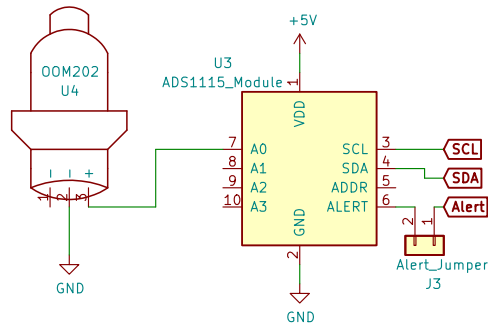
Buzzer



Indicator_LEDs



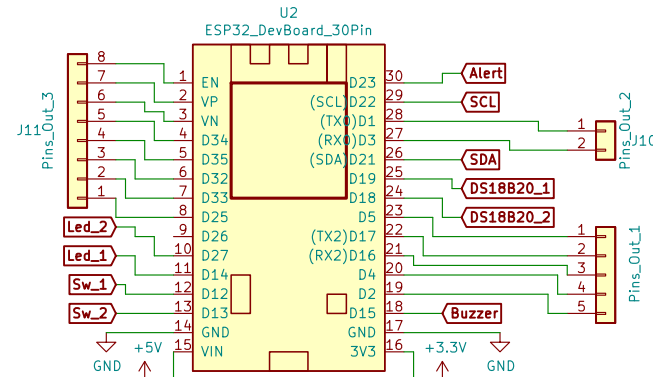
Input Interfacings



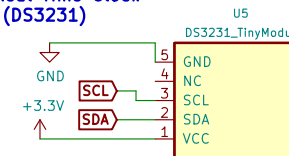
OOM202 Oxygen Sensor

ADS1115 (16-Bit ADC, Upto 16x PGA)

ESP32_Dev_Board (MCU)

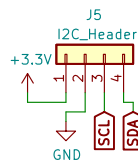
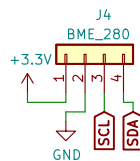


Real Time Clock
(DS3231)



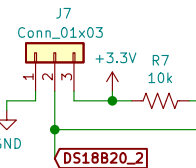
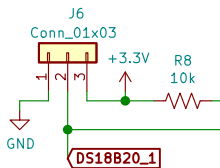
BME280
Temperature & Humidity Sensor

Extra I2C_Header

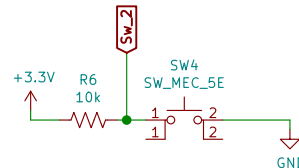
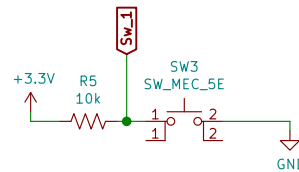


DS18B20

Temperature Sensor Connectors (DHT22 can also be connected)



Two Switches for calibration or General Purpose



Designed By: Ashish Pardeshi
Knowledge Lab, HBCSE – TIFR, Mumbai

Sheet: /
File: DIY_Oxygen_Analyzer.sch

Title: DIY Oxygen Analyzer Prototyping Board

Size: A4 Date:
KiCad E.D.A. kicad 5.1.10-88a1d61d5888ubuntu20.04.1

Rev: V0.1
Id: 1/1