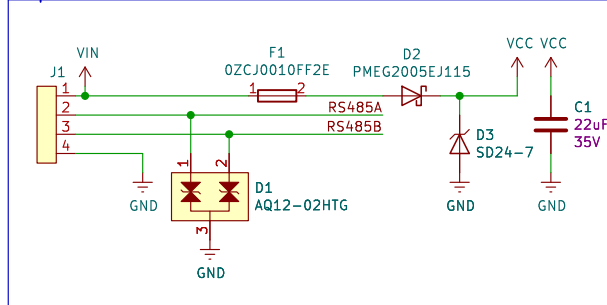
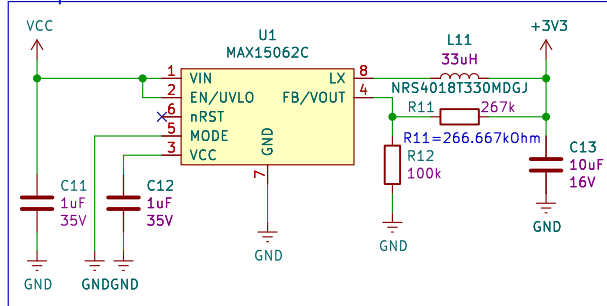


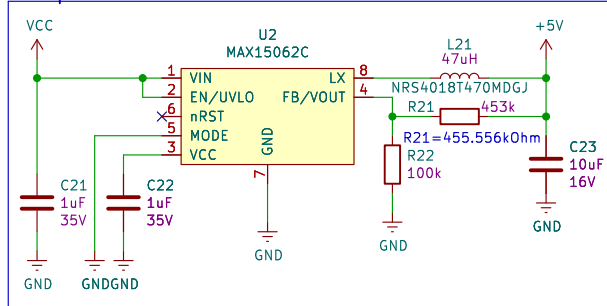
Input Connector and Protections



Step-Down 3.3V

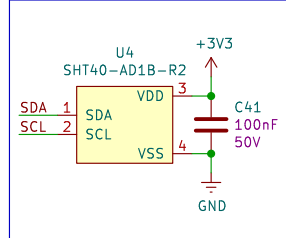


Step-Down 5V

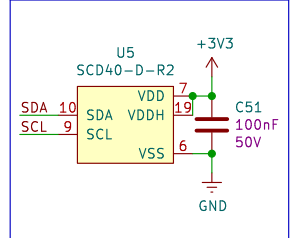


Sensors

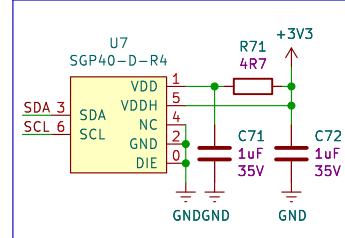
SHT40 RH+T Sensor
I2C ADDR: 0x44



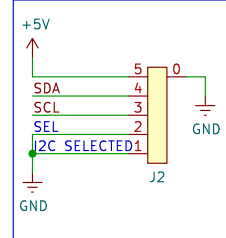
SCD40 CO2 Sensor
I2C ADDR: 0x62



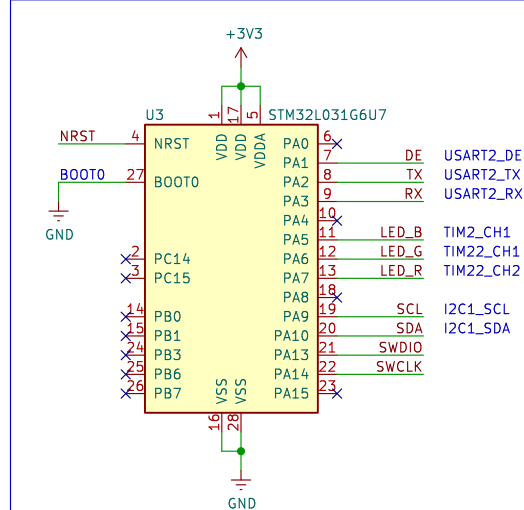
SGP40 VOC Sensor
I2C ADDR: 0x



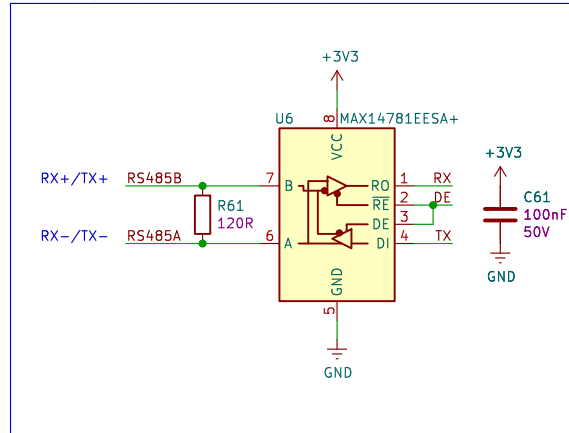
SPS30 Dust Particles Sensor
I2C ADDR: 0x69



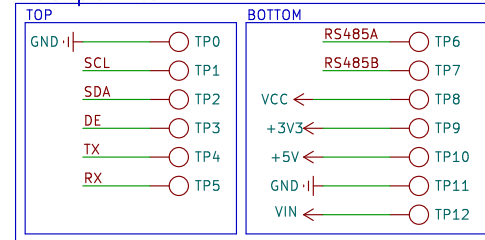
Microcontroller



RS485 to UART Converter



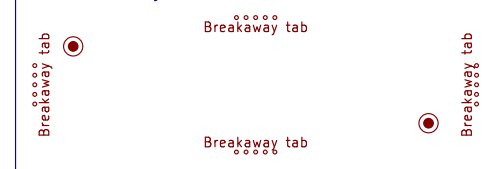
Testpoints



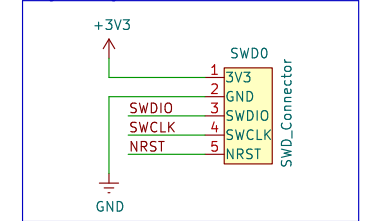
Additional Silkscreen



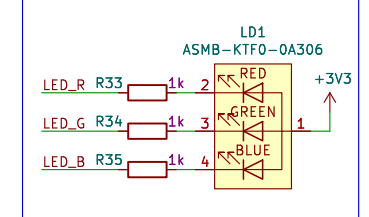
Breakaway Tabs and Fiducials



Programming Connector



Signal LED



Notes

- * The 5V Step-Down is assembled only for the variant with the particular matter sensor.
- * The programming connector shall be placed on the bottom side.
- * The testpoints on the top side are only for debugging and will not be used for automated testing.
- * The testpoints on the bottom side will be used for debugging and automated testing.



Title: Wired IAQ Sensor

Rev: 1
Sheet Name:
Author: David Žaitlik, Jan Mrňa

File: iaq_wired_sensor.kicad_sch
Date: 2022-04-28
KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu22.04.1

Sheet: 1/1
Size: A4