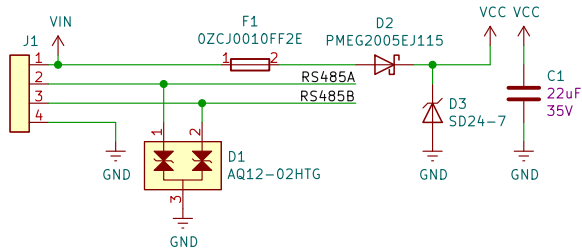
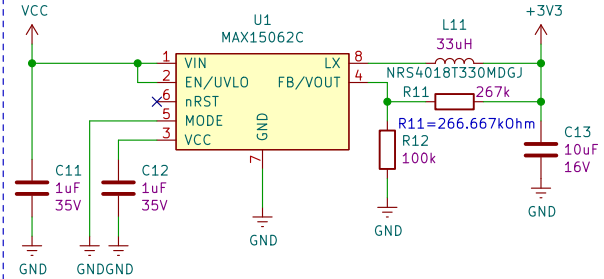


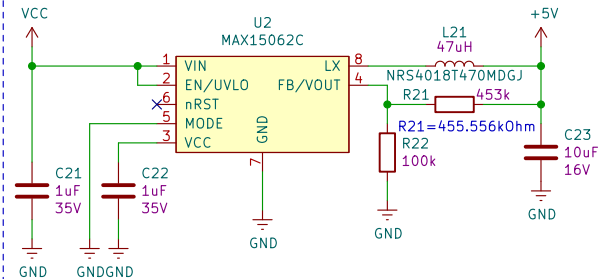
Input Connector and Protections



Step-Down 3.3V

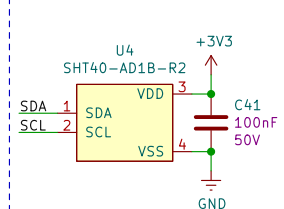


Step-Down 5V

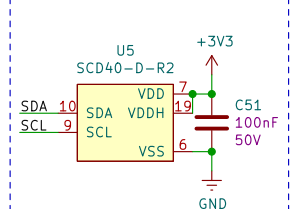


Sensors

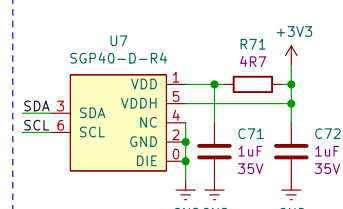
SHT40 RH+T Sensor
I2C ADDR: 0x44



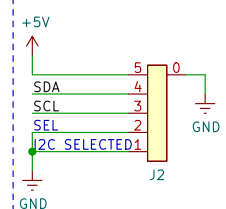
SCD40 CO2 Sensor
I2C ADDR: 0x62



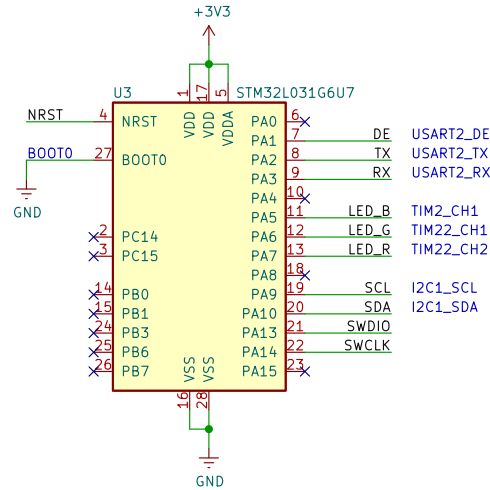
SGP40 VOC Sensor
I2C ADDR: 0x



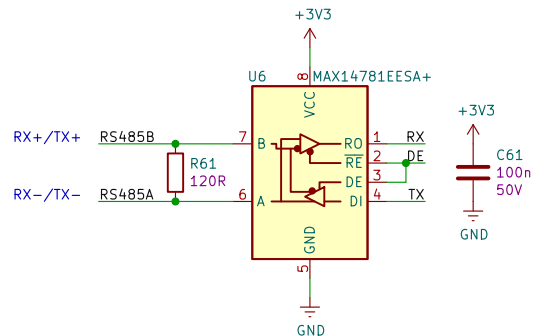
SPS30 Dust Particles Sensor
I2C ADDR: 0x69



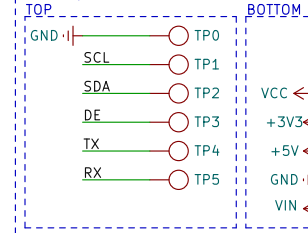
Microcontroller



RS485 to UART Converter



Testpoints



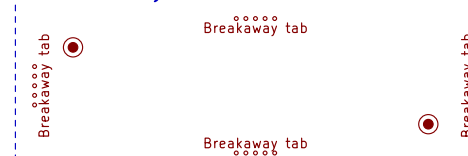
Additional Silkscreen

TAG TESTING
TAG SN

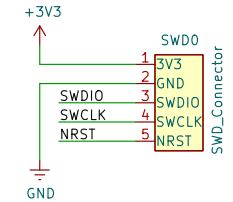
VL Logo
VL Logo



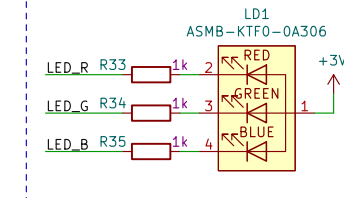
Breakaway Tabs and Fiducials



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 (6.0.6)

Size: A4

Sheet: 1/1