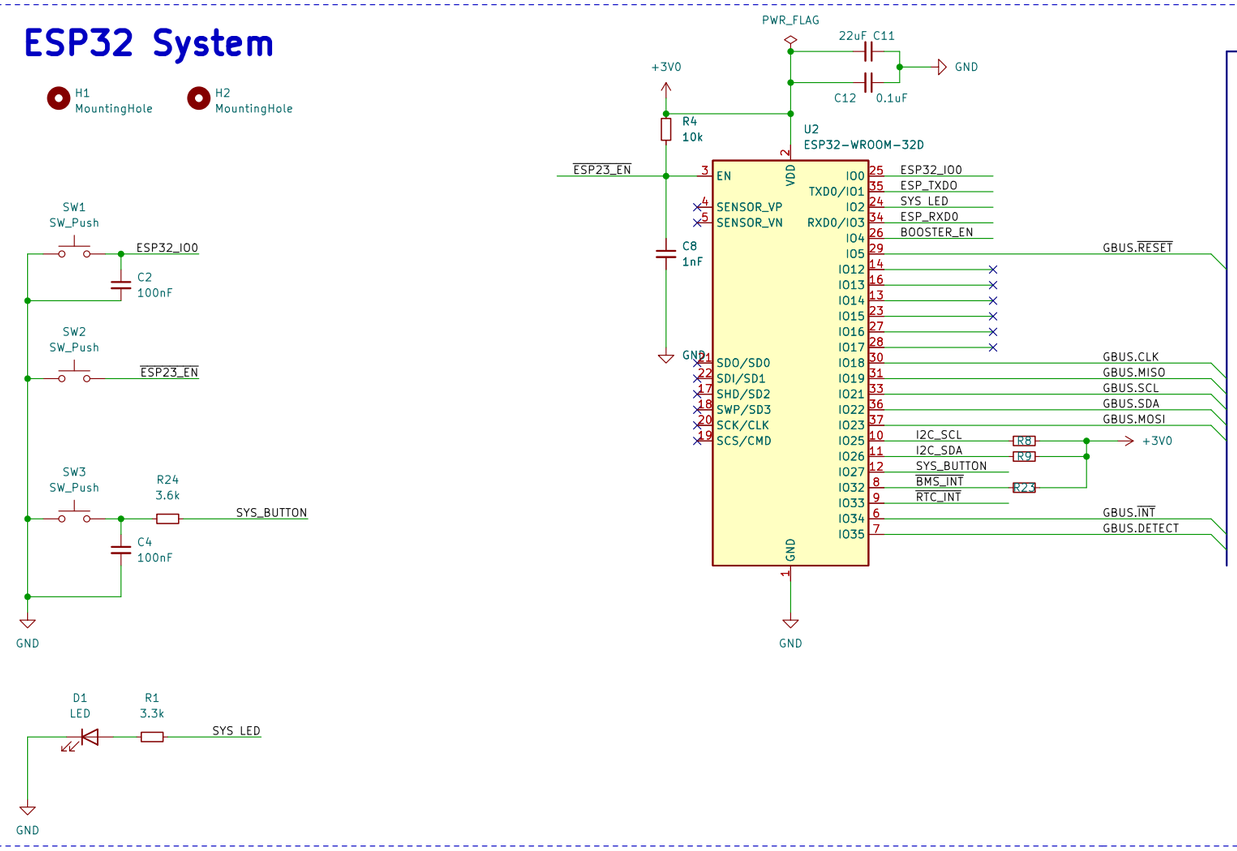
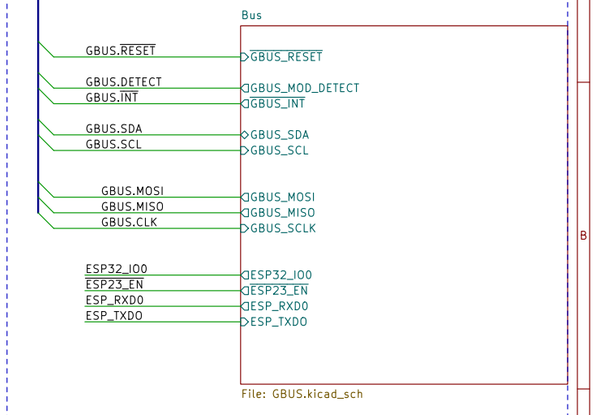
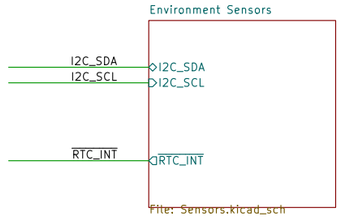
ESP32 System



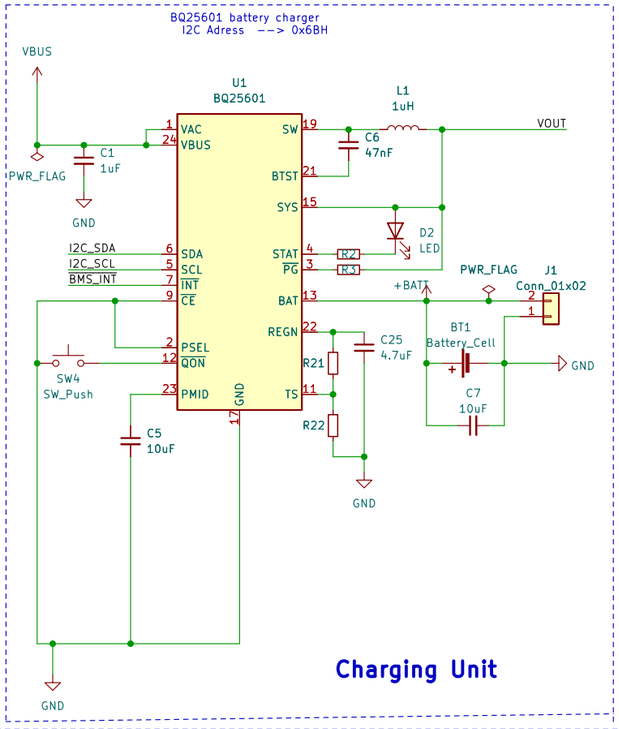
GAVESHA BUS INTERFACE

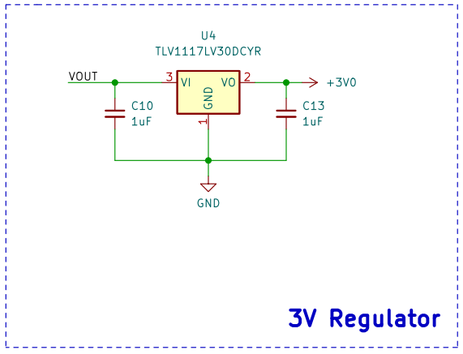


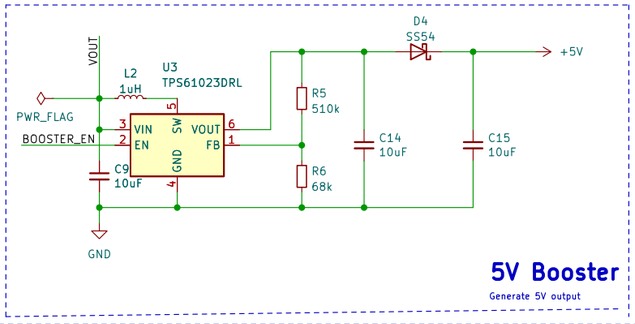
SENSORS

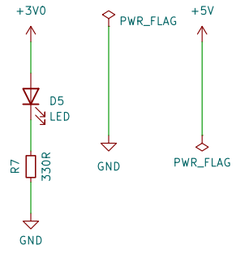


Power Sub System









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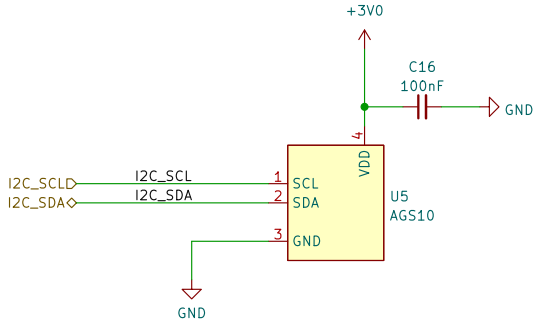
KiCad E.D.A. kicad (6.0.9)		Id: 1/3

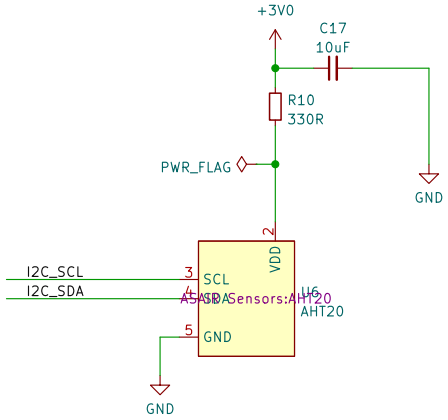
VOC sensor

Sensor --> AGS10
Communication Interface --> I2C
I2C address --> 0x1A



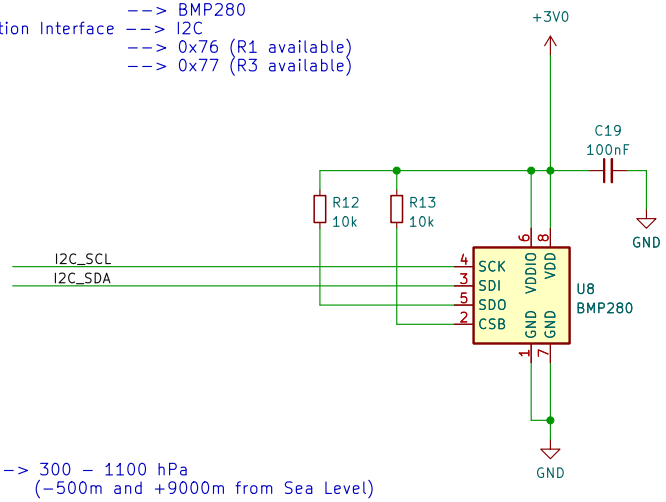
RH and Temp Sensor

Sensor --> AHT20
Communication Interface --> I2C
I2C address --> 0x38



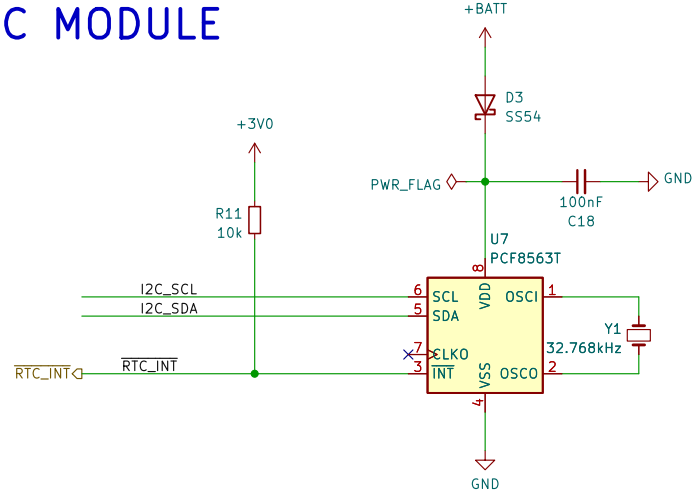
Absolute Pressure Sensor

Sensor --> BMP280
Communication Interface --> I2C
I2C address --> 0x76 (R1 available)
I2C address --> 0x77 (R3 available)



Range --> 300 – 1100 hPa
(-500m and +9000m from Sea Level)

RTC MODULE



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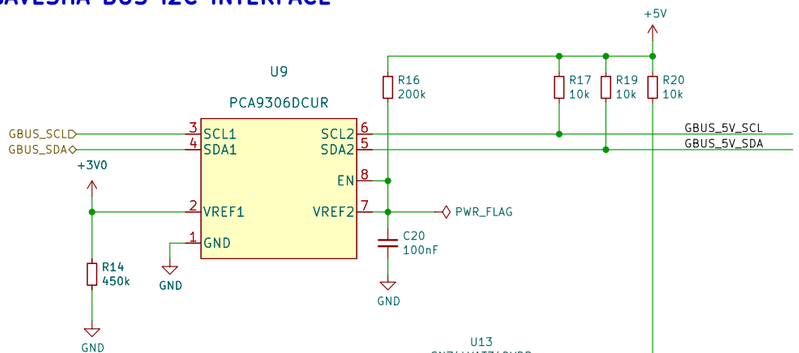
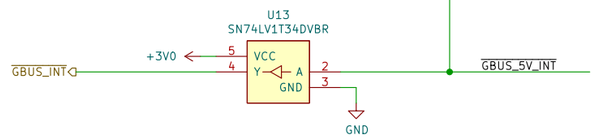
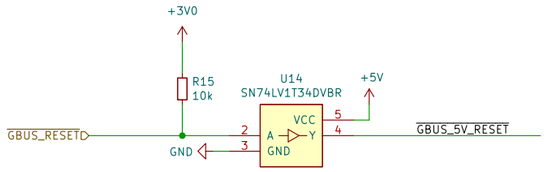
GAVESHA BUS I2C INTERFACE

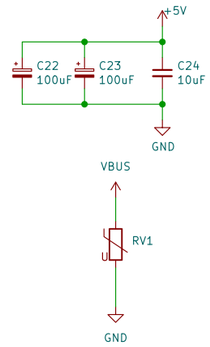


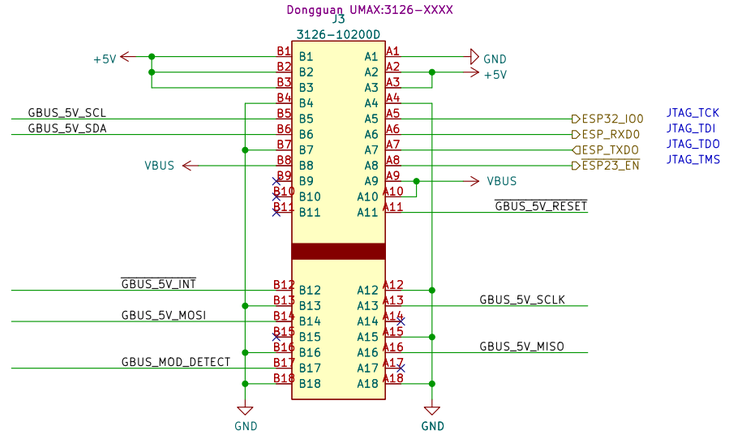




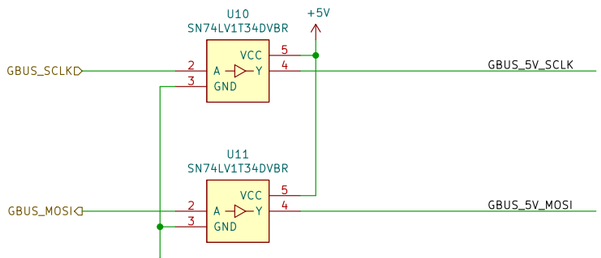
GAVESHA BUS RIGHT EXPANSION

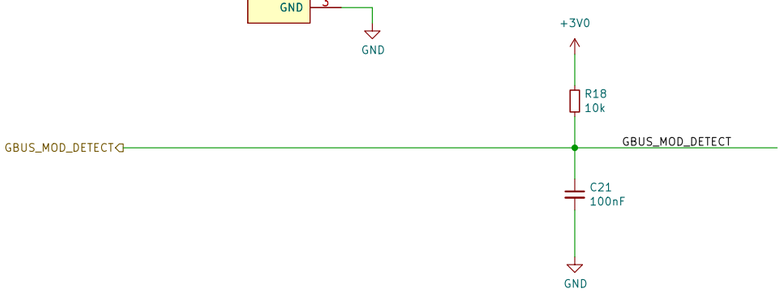
PCIe 1x female (straddle) Connector





GAVESHA BUS SPI INTERFACE





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