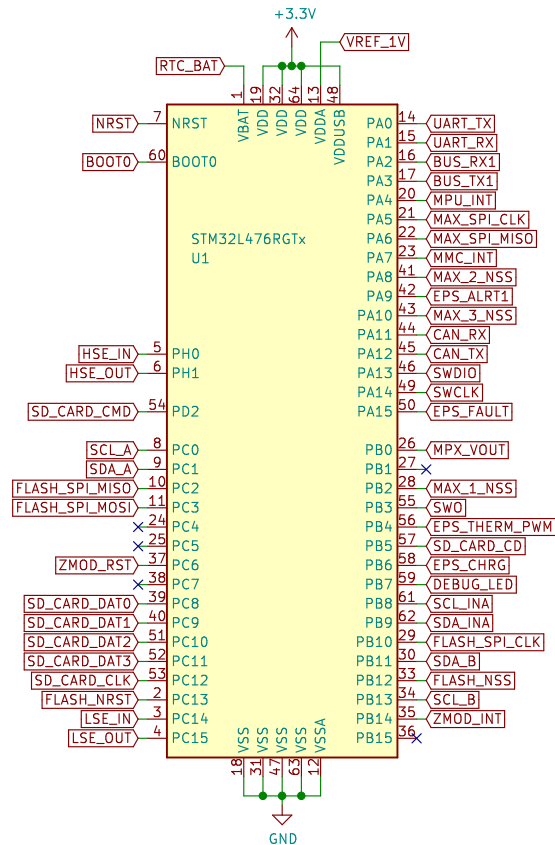
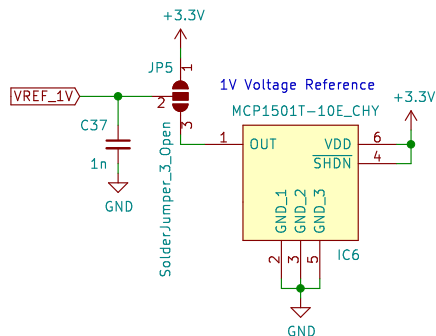


STM32L476RGT6

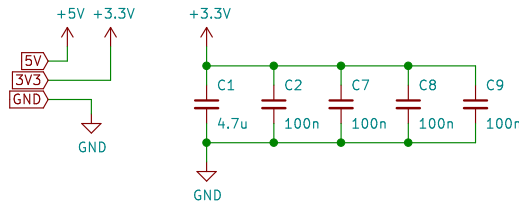


Voltage Reference

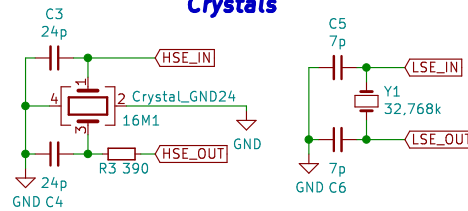


STM32 Basic Circuits

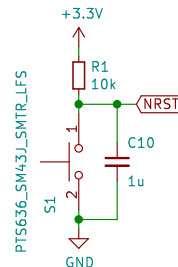
Decoupling capacitors



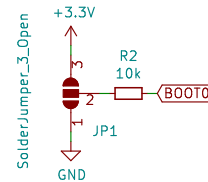
Crystals



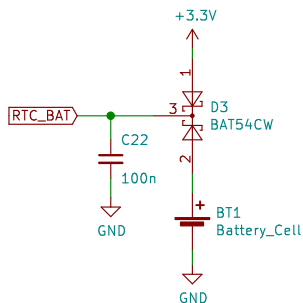
Reset Button



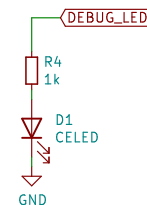
Boot Jumper



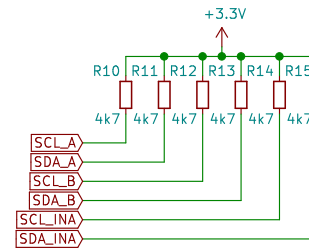
RTC Battery



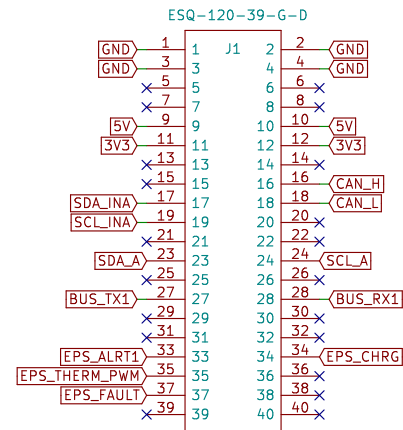
Debug LED



I2C Pull-ups

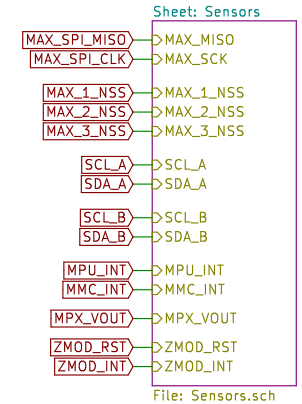


Stack Connector

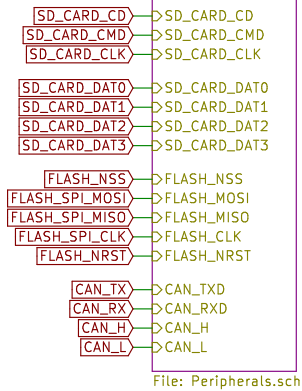


MAX17205 I2C Address: 0x6C & 0x16
(Connected to I2C_A on the stack bus)

Hierarchical Sheets

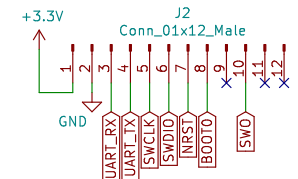


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File: Peripherals.sch

Programming Connector



Varella v.2.0

Sheet: /

File: Varella v.2.0.sch

Title: Varella v.2.0

Size: A4

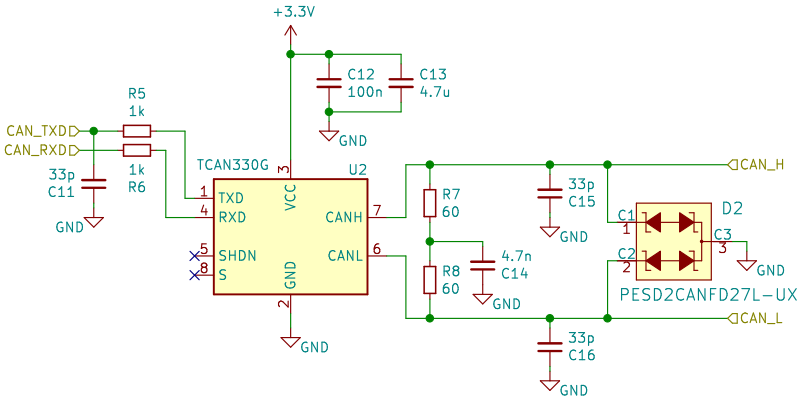
Date:

KiCad E.D.A. kicad (5.1.10)-1

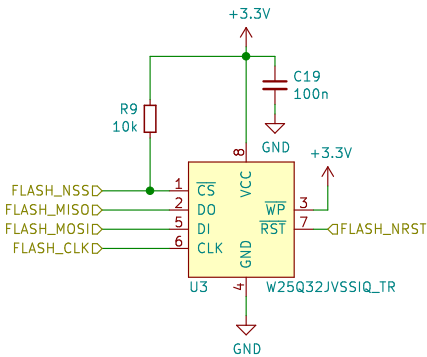
Rev:

Id: 1/3

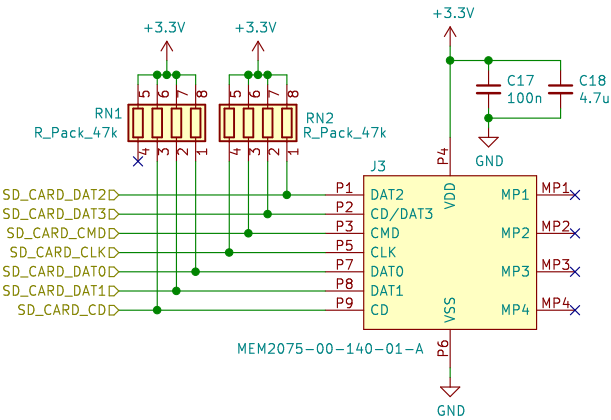
CAN Transciever



Flash Memory – 128Mb



SD Card



Sheet: /Peripherals/
File: Peripherals.sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad (5.1.10)–1

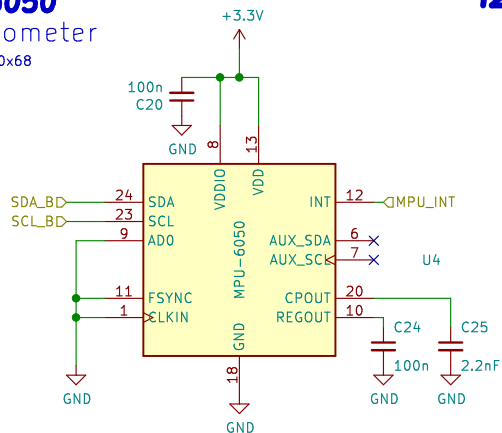
Rev:

Id: 2/3

MPU-6050

Accelerometer

I2C Address: 0x68

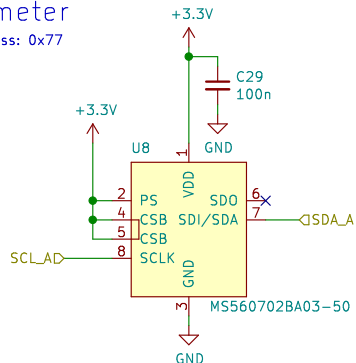


I2CB

MS5607

Barometer

I2C Address: 0x77

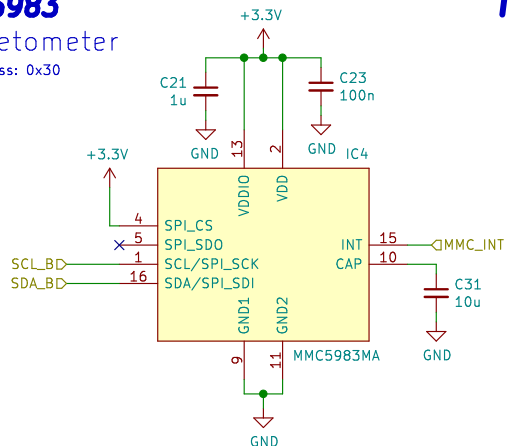


I2CA

MMC5983

Magnetometer

I2C Address: 0x30

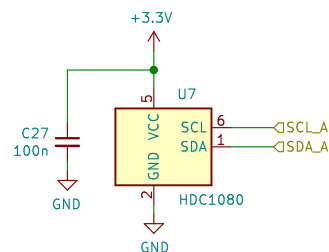


I2CB

HDC-1080

Humidity Sensor

I2C Address: 0x40

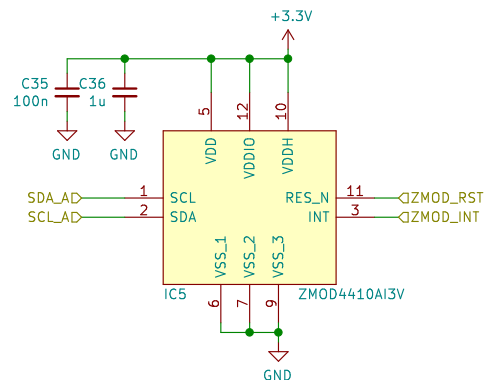


I2CA

ZMOD4410

TVOC & CO2 Sensor

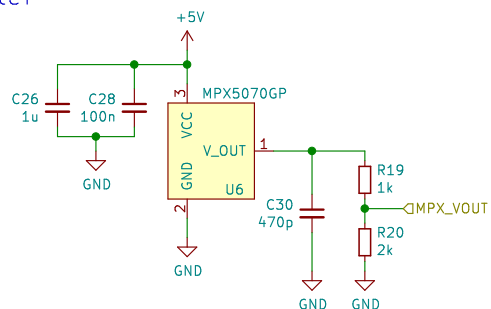
I2C Address: 0x32



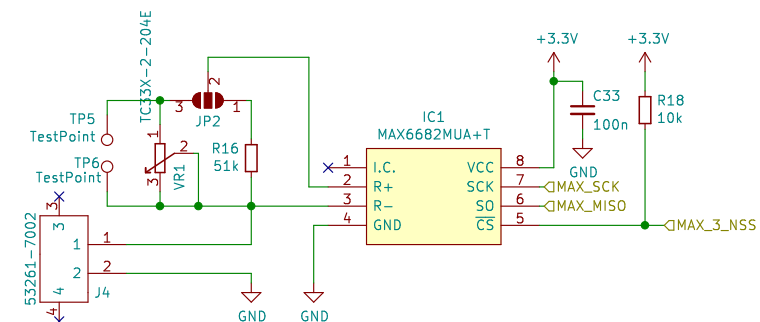
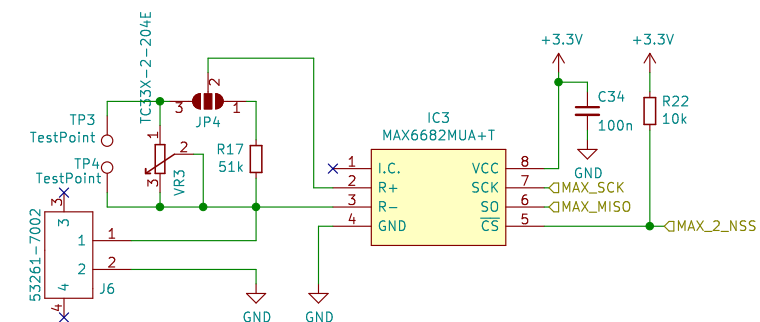
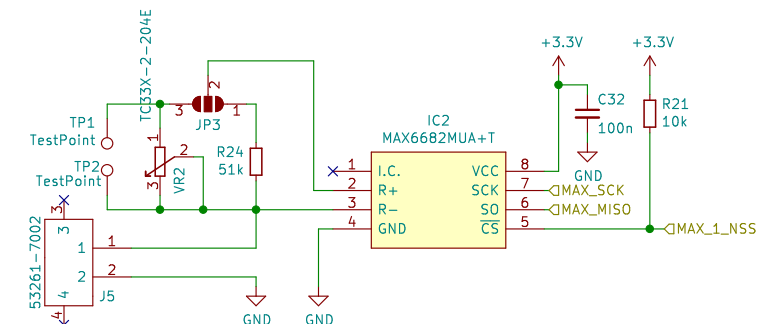
I2CA

MPX5070GP

Barometer



Thermistors Interfaces



Sheet: /Sensors/
File: Sensors.sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad (5.1.10)-1

Rev:

Id: 3/3