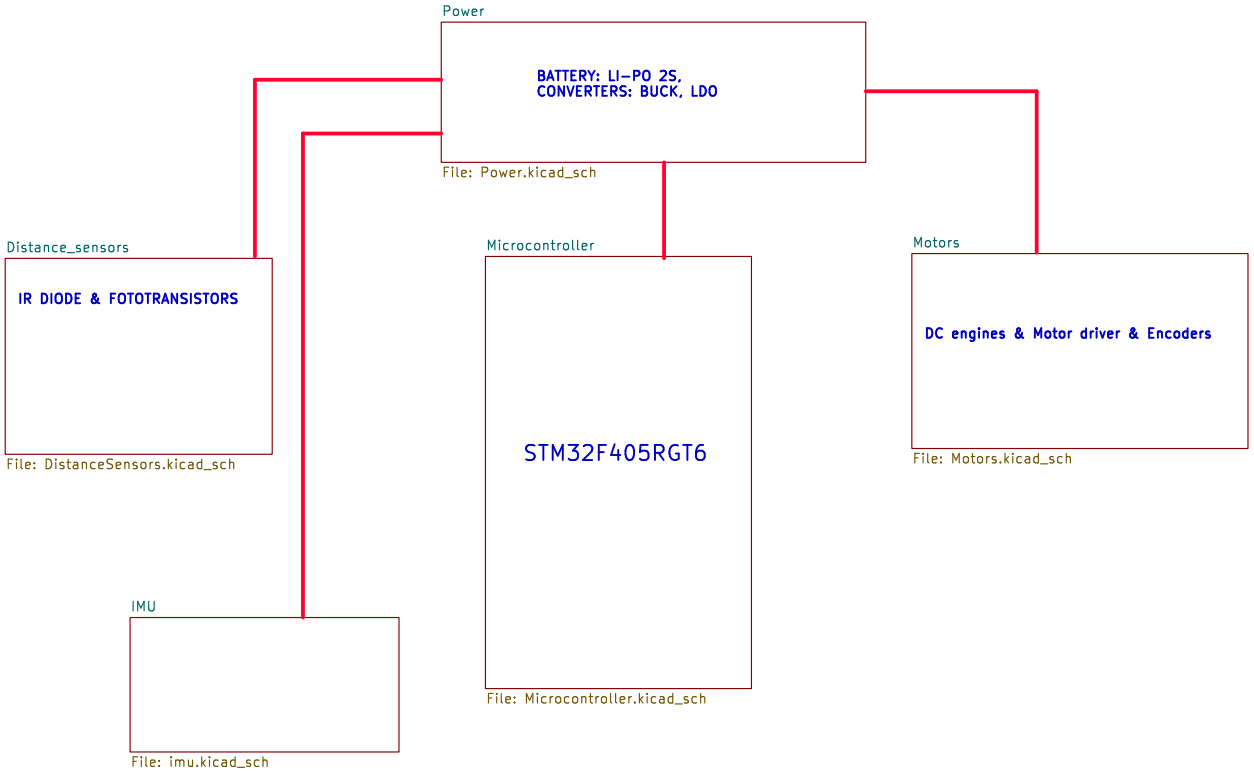
[1] Micromouse – Top level Schematic



Hierarchical Sheet

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File: Micromouse.kicad_sch

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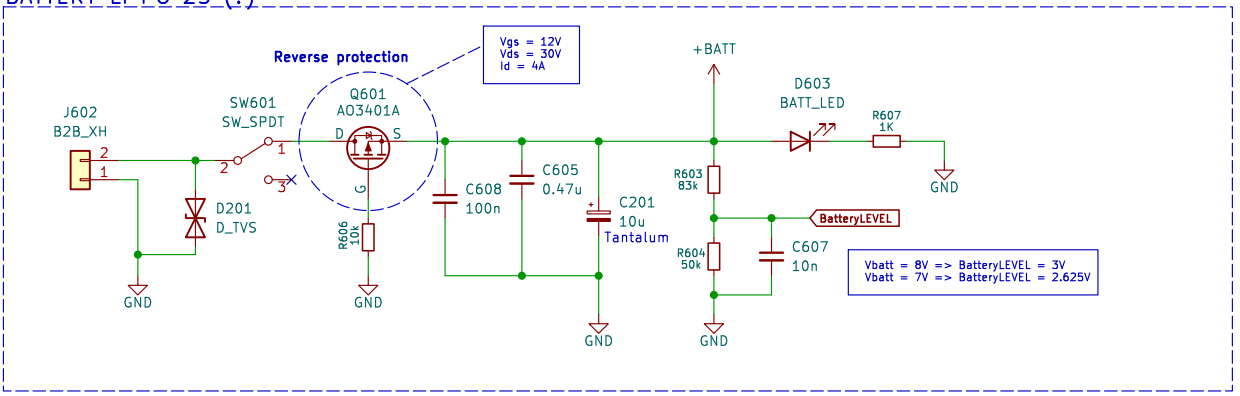
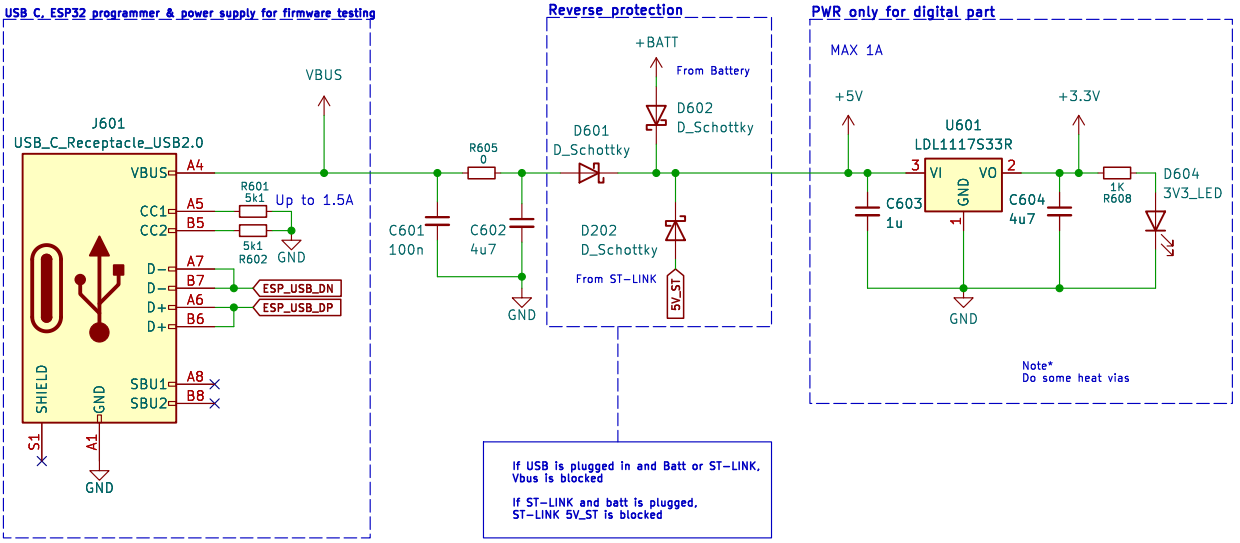
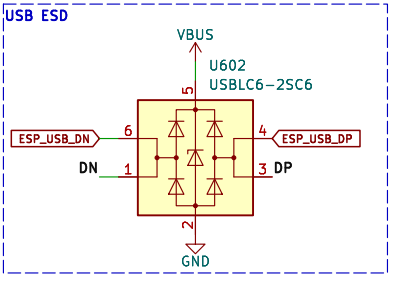
[2] POWER SUPPLY

BATTERY LI PO 2S (?)







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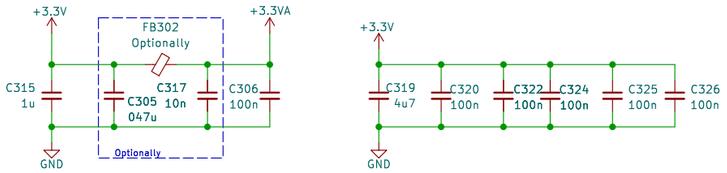
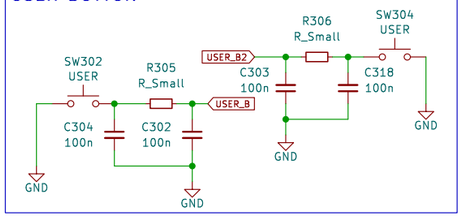
[3] Microcontroller & WIFI module

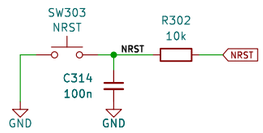
DECOUPLING



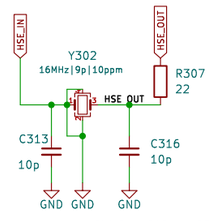
USER BUTTON



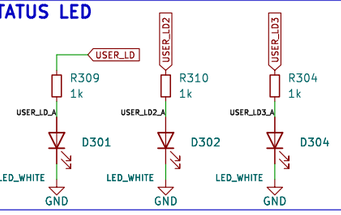
nRST

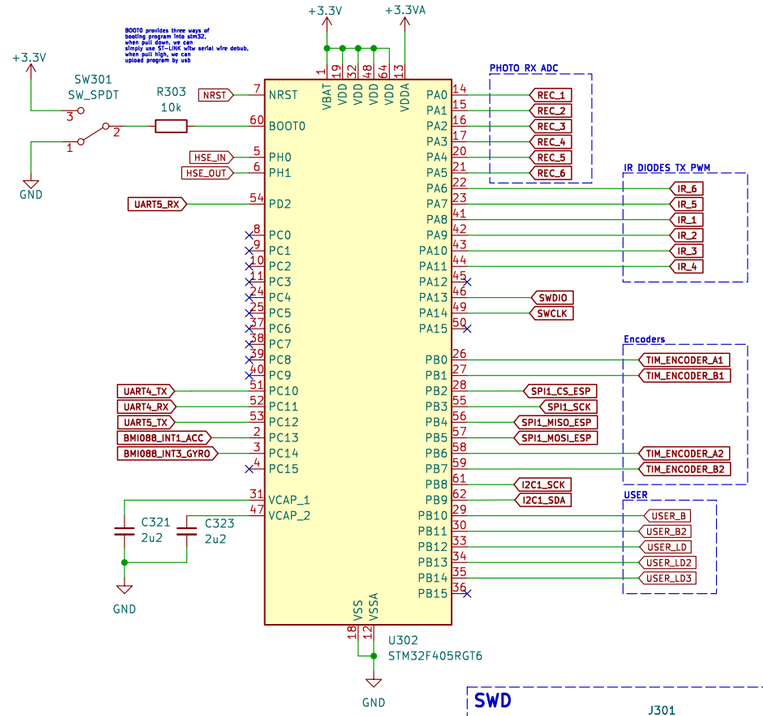


HSE

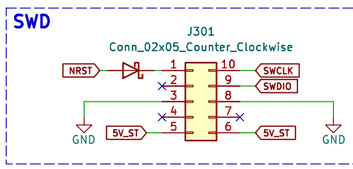


STATUS LED

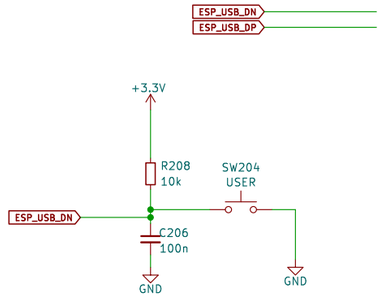




SWD



ESP32_WIFI_MODULE



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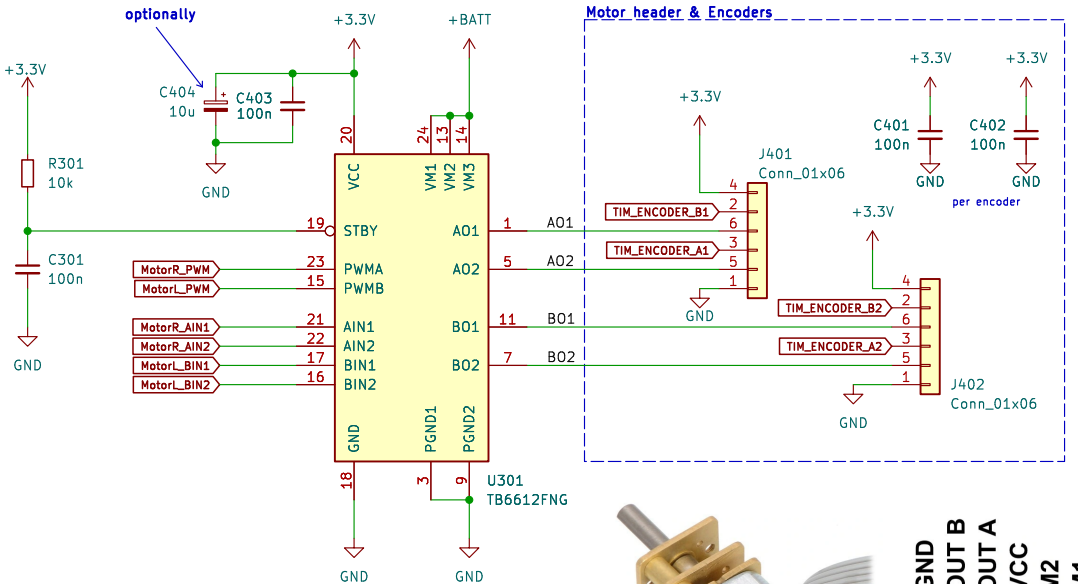
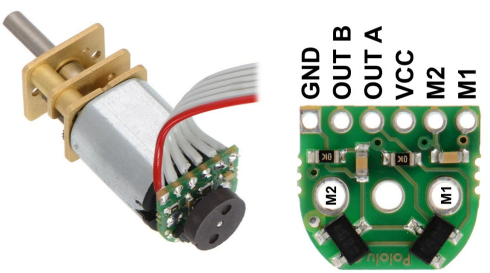
[4] MOTORS





TRZEBA DODAĆ UCHWYTY TO MOCOWANIA SILNIKÓW!

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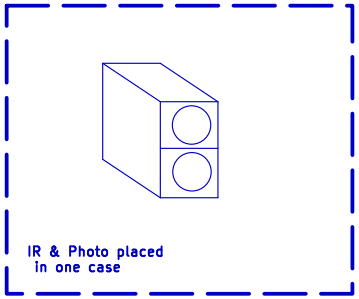
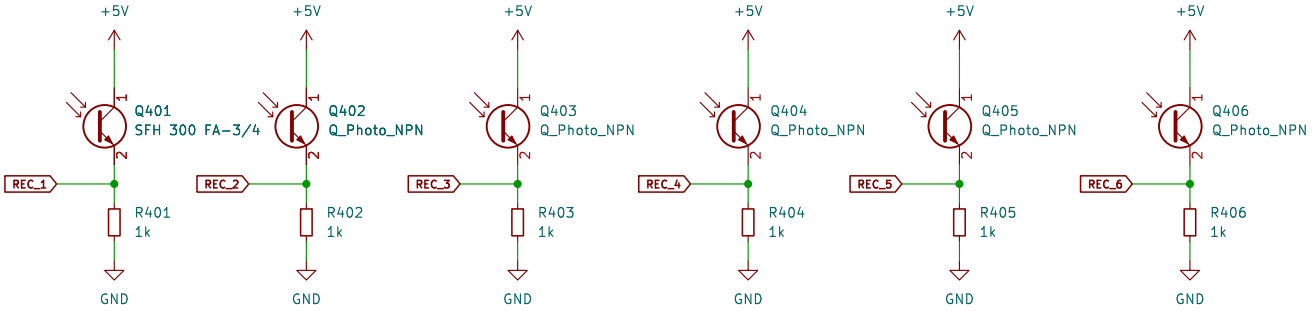
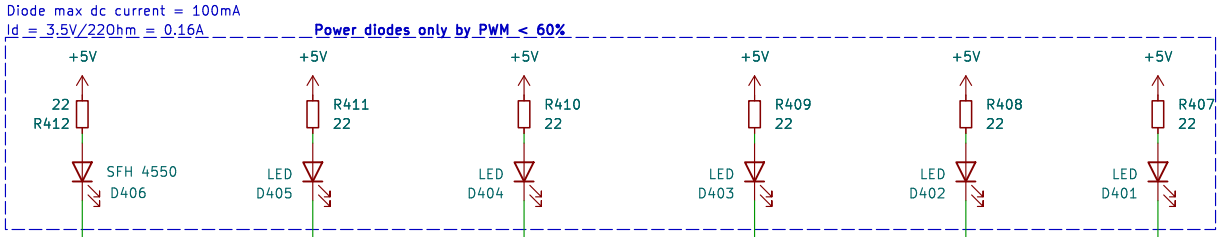
KiCad E.D.A. kicad 7.0.8		Id: 4/6

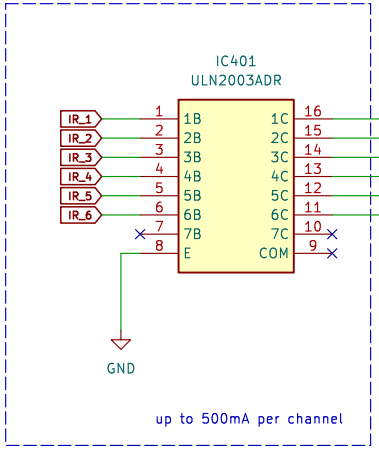
[5] IR RECEIVERS & EMITTERS

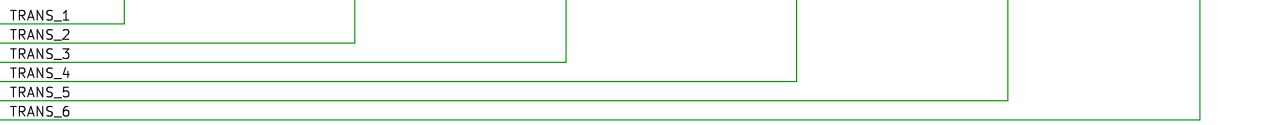






Darlington array





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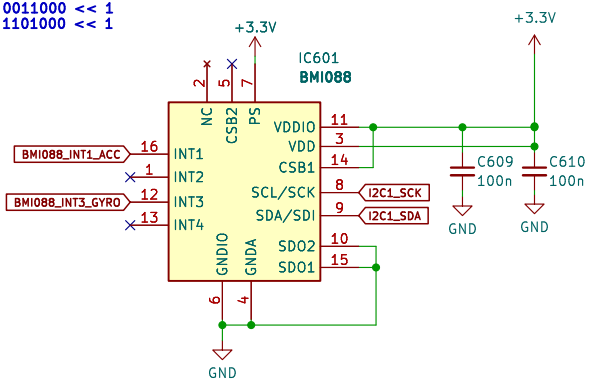
[6] Accelerometer & gyroscope

I2C addr.
Acc: 0011000 << 1
Gyro: 1101000 << 1



*Note
BMI088 komunikuje się
przez I2C lub SPI,
wada spi w tym sensorze jest taka,
że potrzebne są dwa piny cs
jeden dla akcelerometru,
drugi dla żyroskopu

BMI088

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