Connector



Batteries GND

Batteries +14.4V

**7.2V Battery**

**7.2V Battery**

Battery V+

Battery GND



Motor Shield M4

Motor Shield M3

Pin 17 3v3

Pin 25 GND

GPIO 24

**Left Motor**



Motor Shield M2

Motor Shield M1

Pin 17 3v3

Pin 25 GND

GPIO 23

**Right Motor**

1

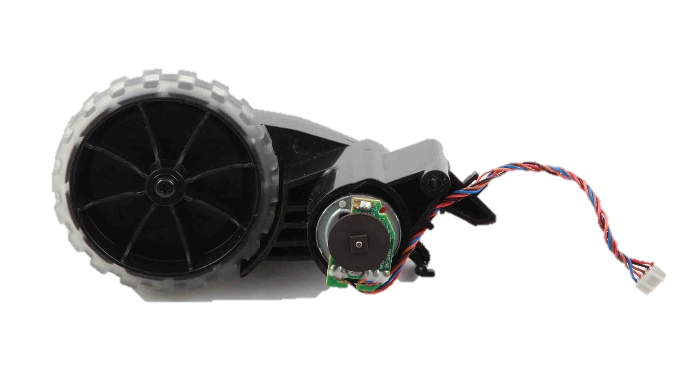


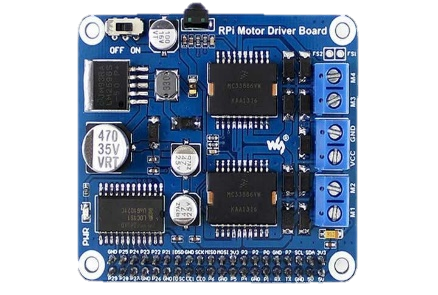
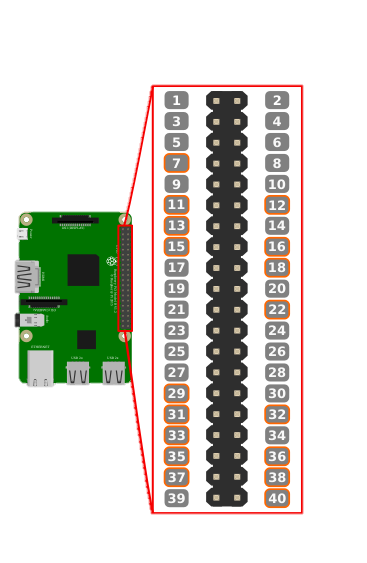
GPIO 16

Battery GND

JST2 black -

**MOSFET**





Receiver CH1

Receiver CH3

Receiver CH2

Receiver 5V

Receiver GND

Left encoder input

Right encoder input

Right M red +

Right M black -

Left M red +

Left M black -

Battery V+

Battery GND

Encoders hall 3v3

Encoders hall GND

Lidar motor PWM

JST4 black GND

JST4 orange SIG

JST4 red 3v3

**USB Converter**



Battery V+

MOSFET drain

**JST2**



USB converter GND

USB converter Rx

USB converter 3v3

**JST4**



**RC Receiver**

GPIO 14

GPIO 18

GPIO 15

Pin 4 5V

Pin 6 GND

