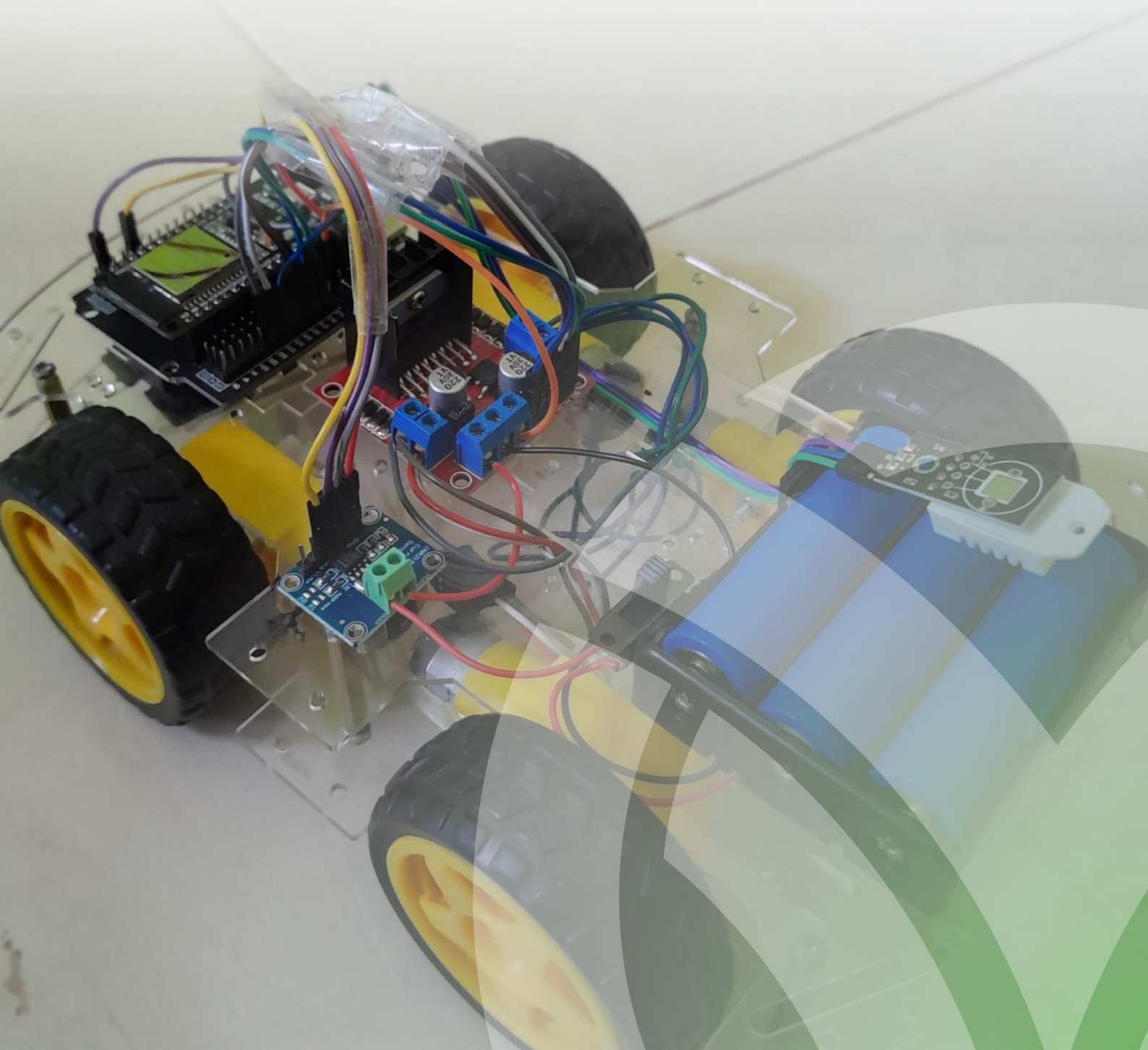


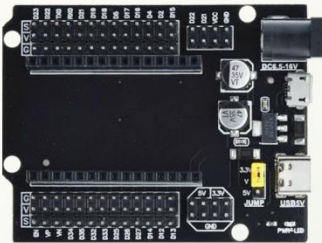
TRIVE CAR PROTOTYPE HARDWARE CONNECTIONS



COMPONENTS



ESP32-WROOM-32



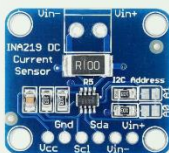
ESP32 I/O EXPANSION SHIELD



Motor Driver L298N



Wheel + DC Motor 65×26mm 5V



Current Sensor INA219



GPS Module GY NEO6M V2

COMPONENTS



Temperature Sensor DHT22



Switch



Lithium Li-Ion Battery 3.7V + Socket



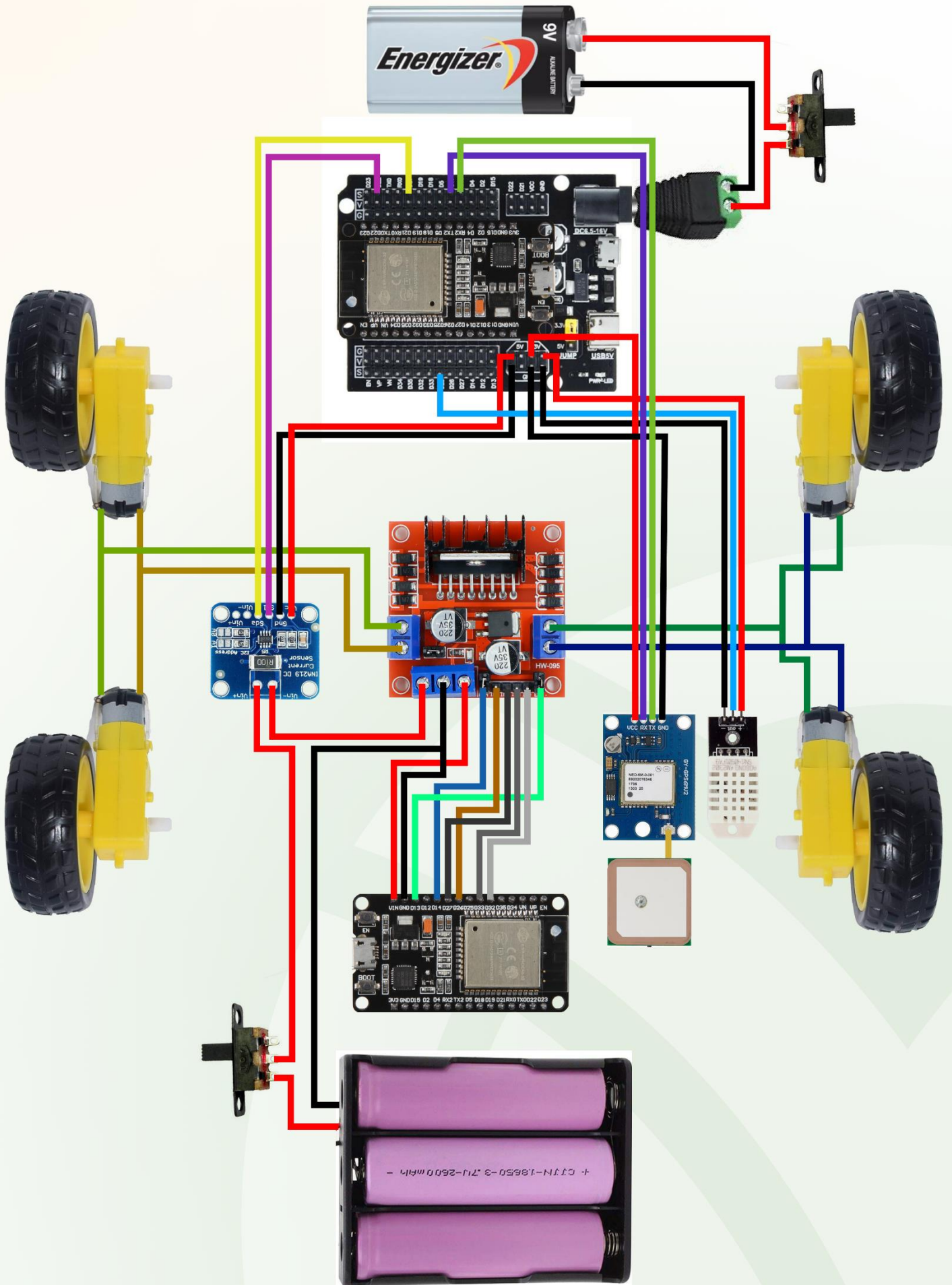
9V DC Battery



Power Ject Male



Female-female Jumper Wire

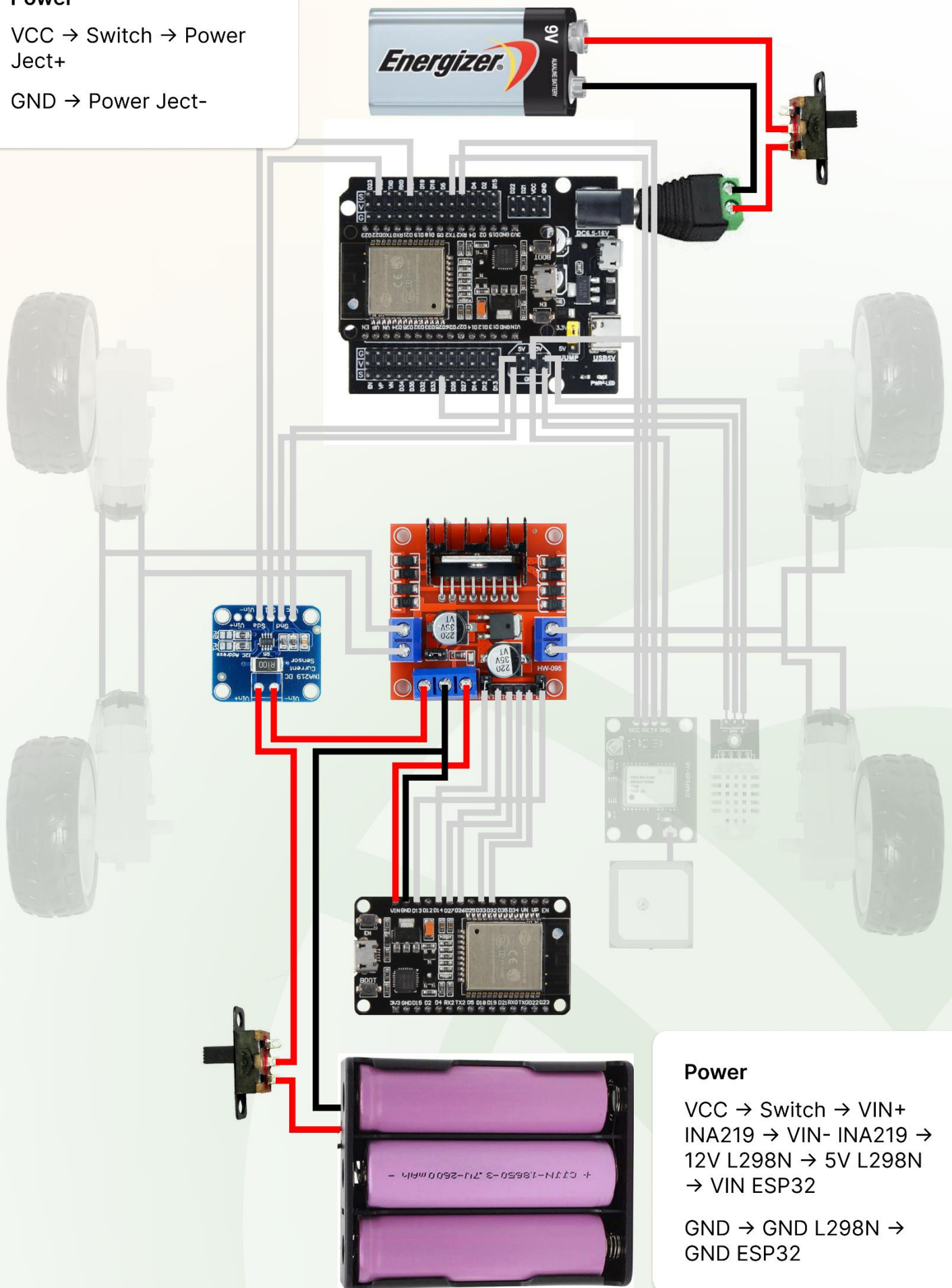




Power

VCC → Switch → Power
Ject+

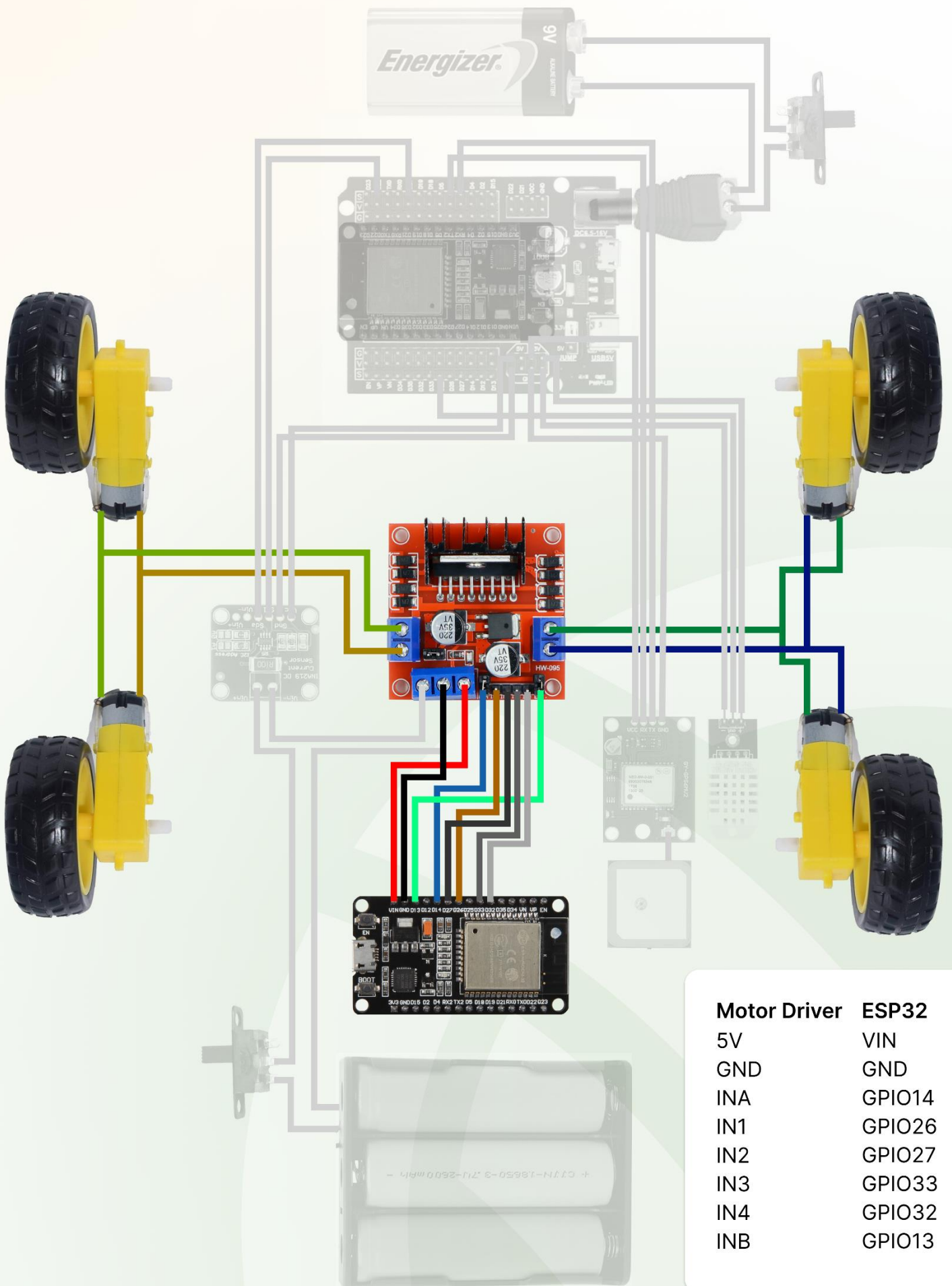
GND → Power Ject-



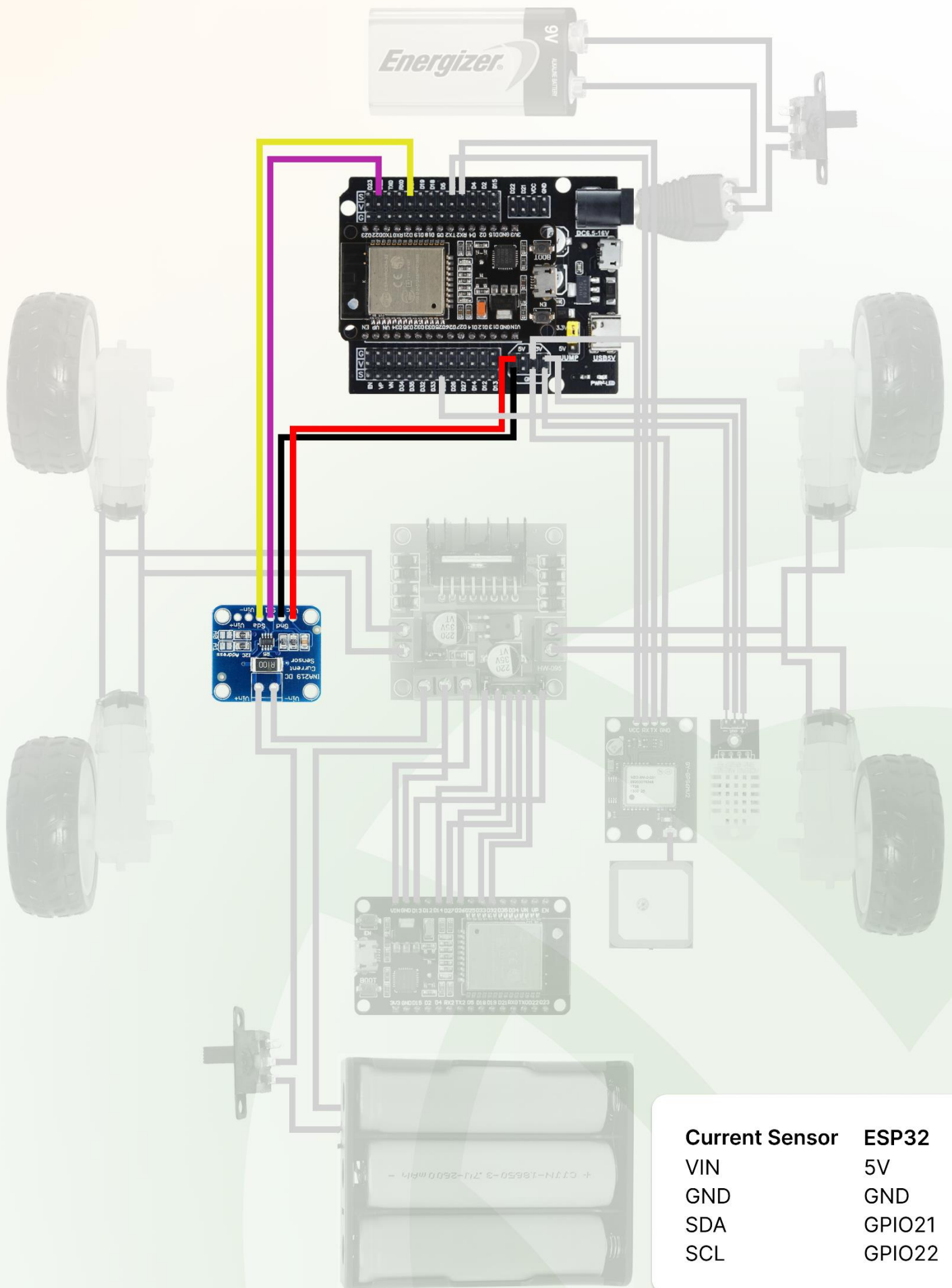
Power

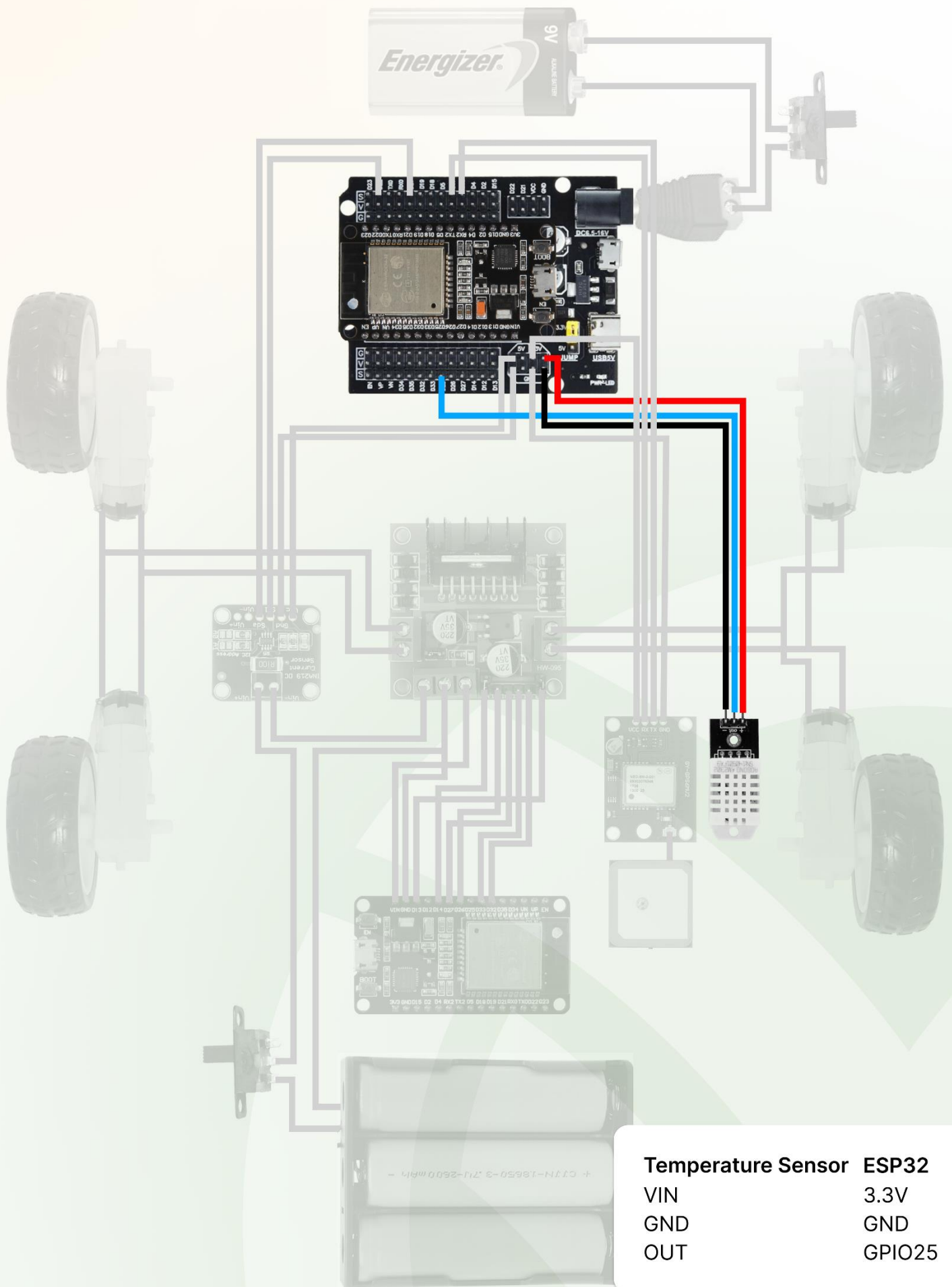
VCC → Switch → VIN+
INA219 → VIN- INA219 →
12V L298N → 5V L298N
→ VIN ESP32

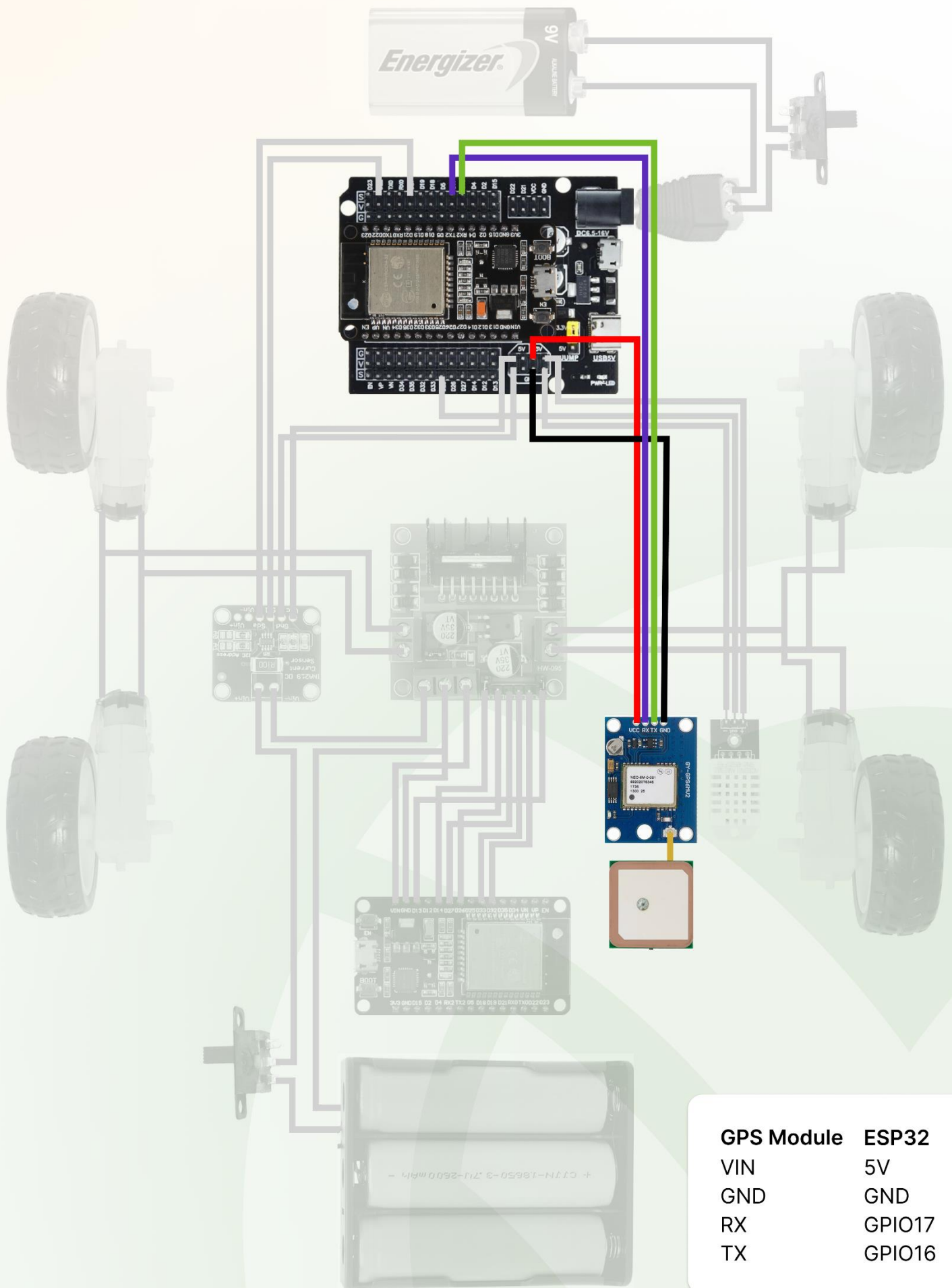
GND → GND L298N →
GND ESP32



Motor Driver	ESP32
5V	VIN
GND	GND
INA	GPIO14
IN1	GPIO26
IN2	GPIO27
IN3	GPIO33
IN4	GPIO32
INB	GPIO13







GPS Module	ESP32
VIN	5V
GND	GND
RX	GPIO17
TX	GPIO16

