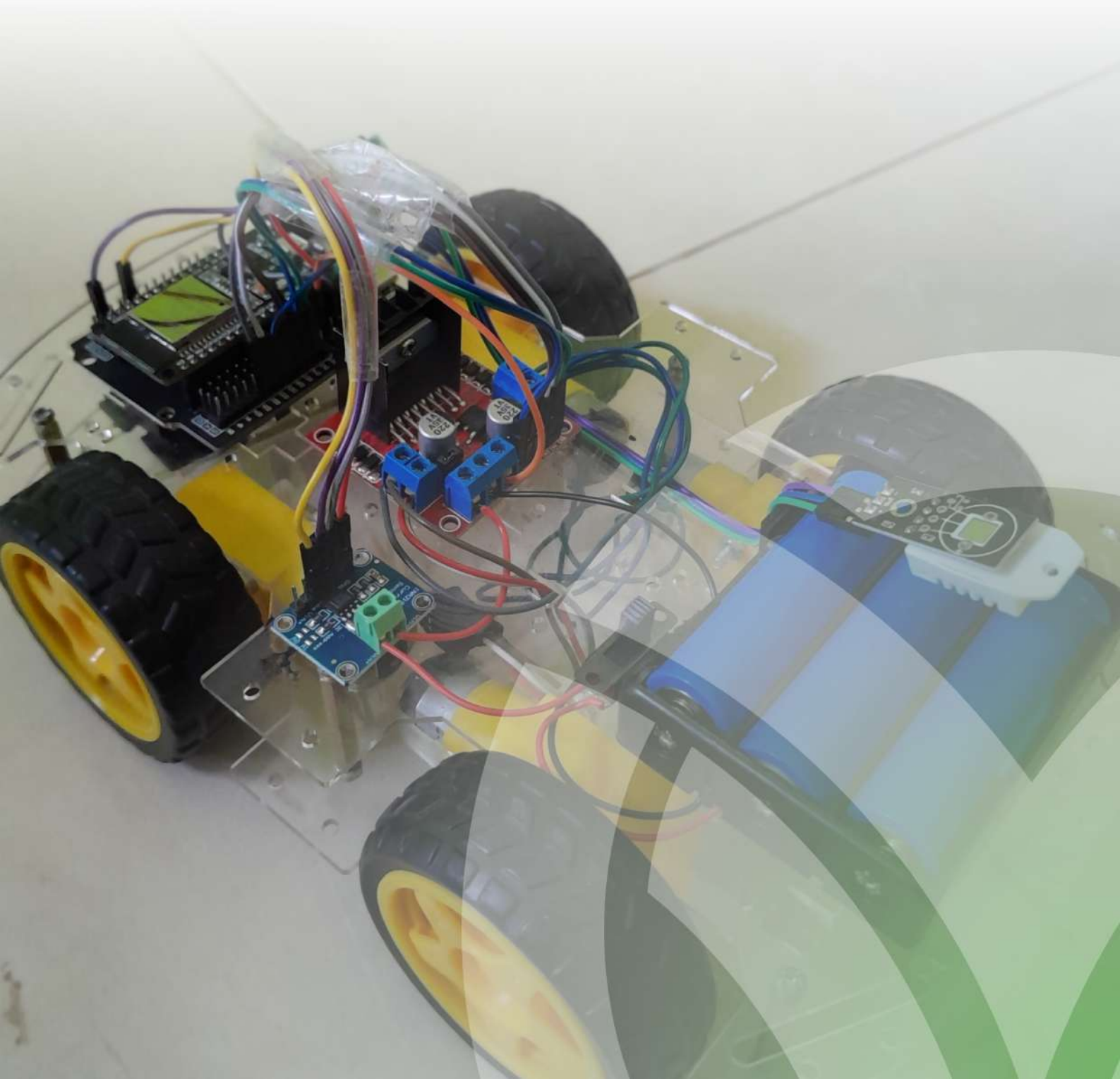


TRIVE CAR PROTOTYPE HARDWARE CONNECTIONS



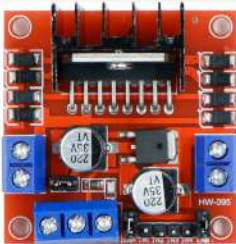
COMPONENTS



ESP32-WROOM-32



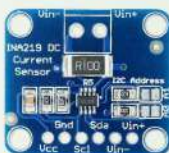
ESP32 I/O EXPANSION SHIELD



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



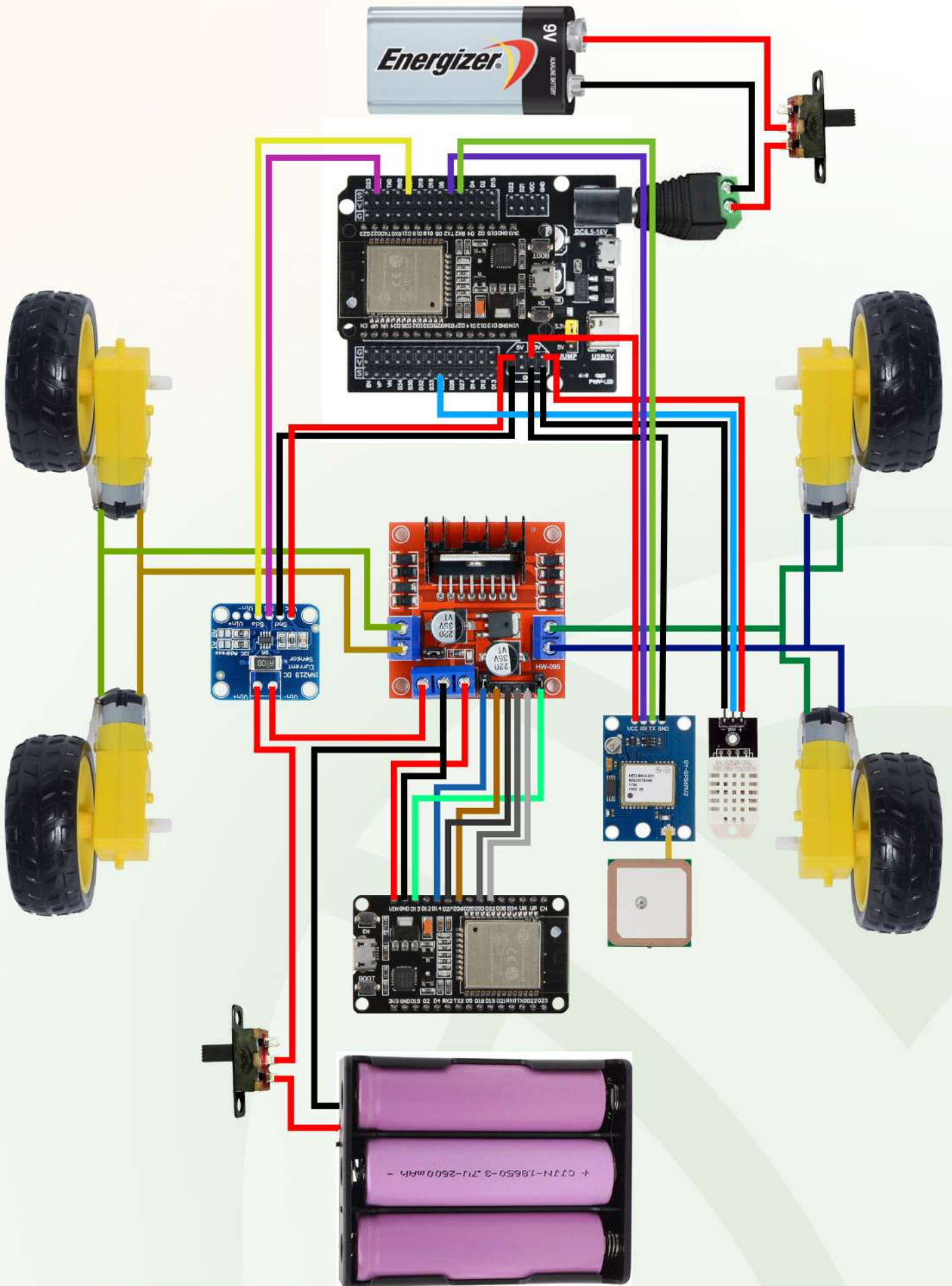
9V DC Battery



Power Ject Male



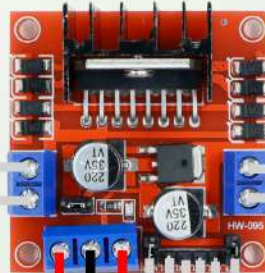
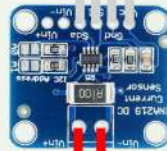
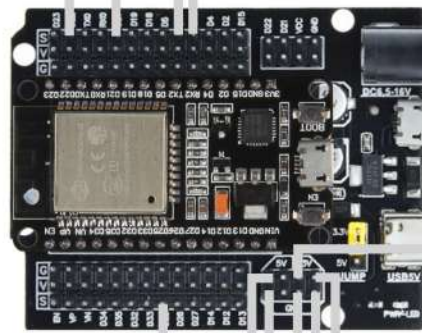
Female-female Jumper Wire



Power

VCC → Switch → Power Ject+

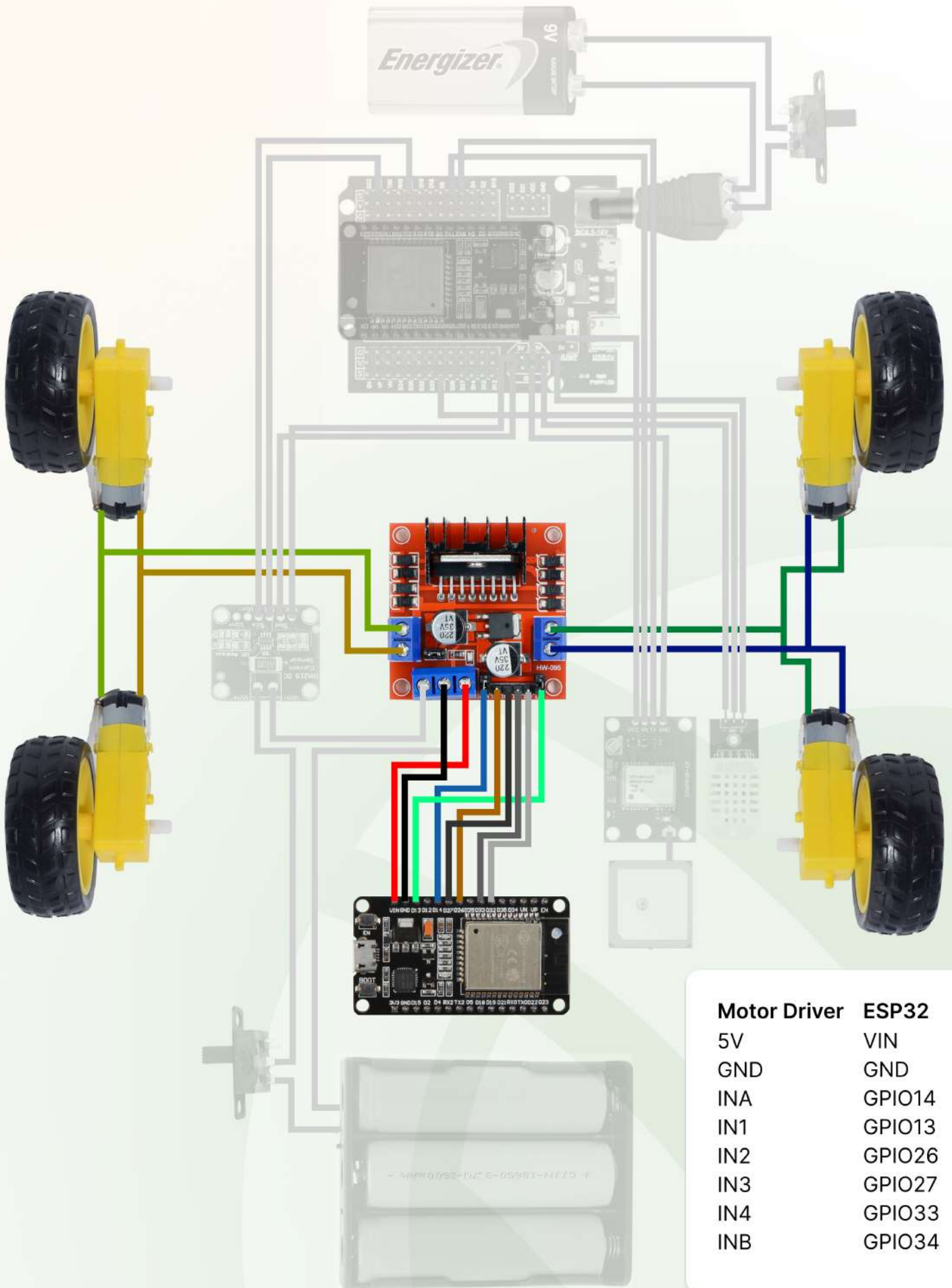
GND → Power Ject-

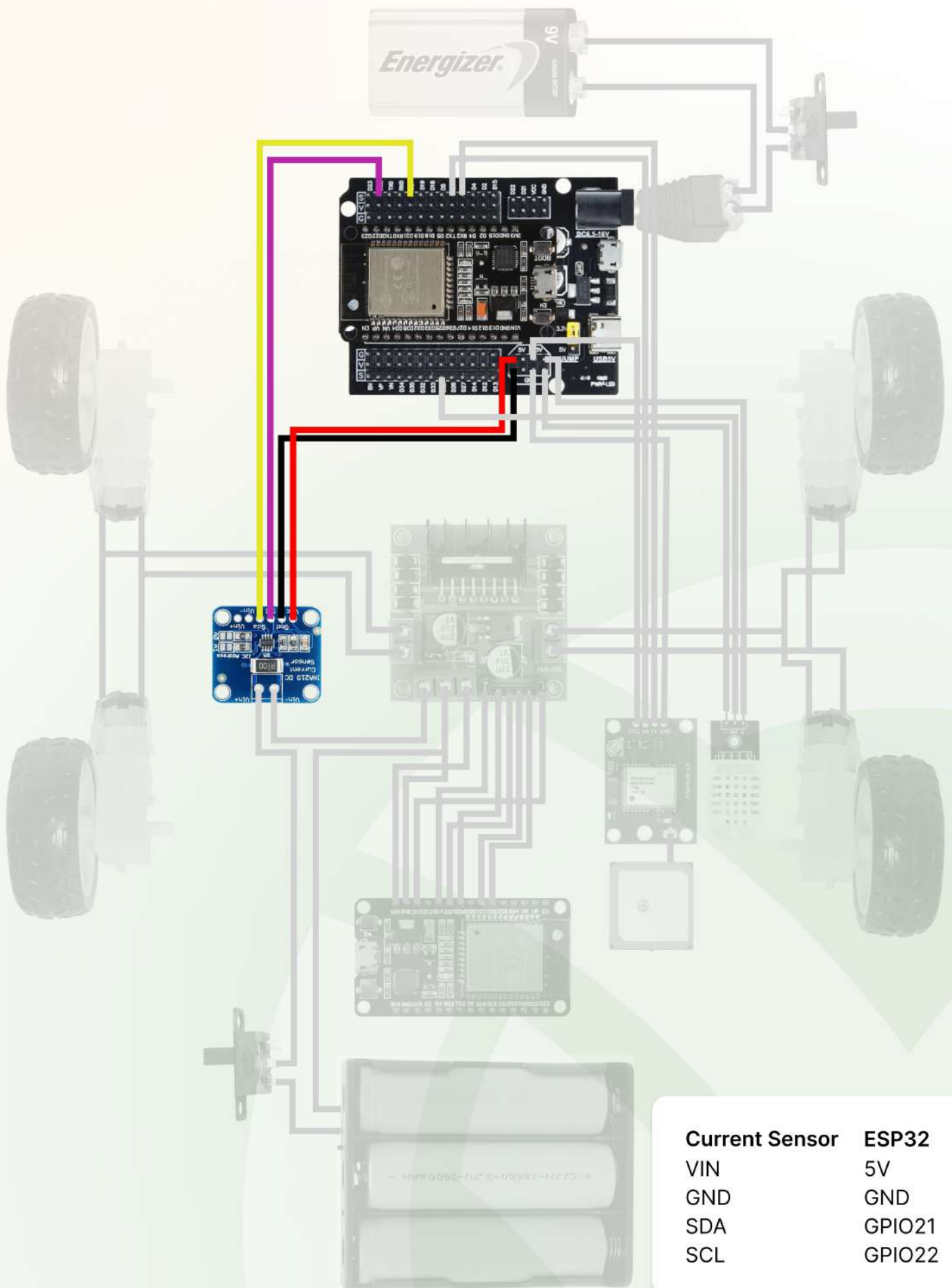


Power

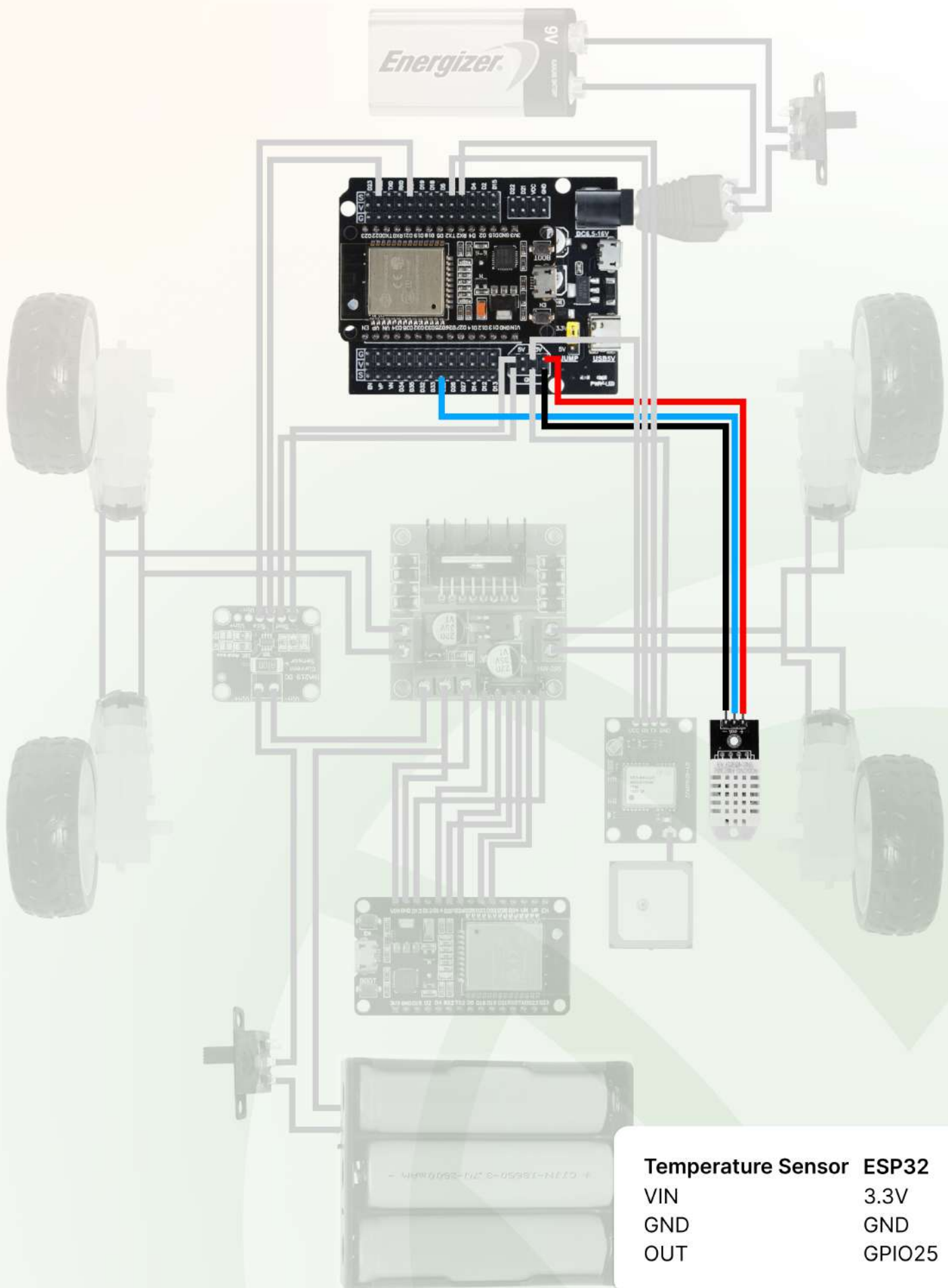
VCC → Switch → VIN+
 INA219 → VIN- INA219 →
 12V L298N → 5V L298N
 → VIN ESP32

GND → GND L298N →
 GND ESP32





Current Sensor	ESP32
VIN	5V
GND	GND
SDA	GPIO21
SCL	GPIO22



Temperature Sensor	ESP32
VIN	3.3V
GND	GND
OUT	GPIO25

