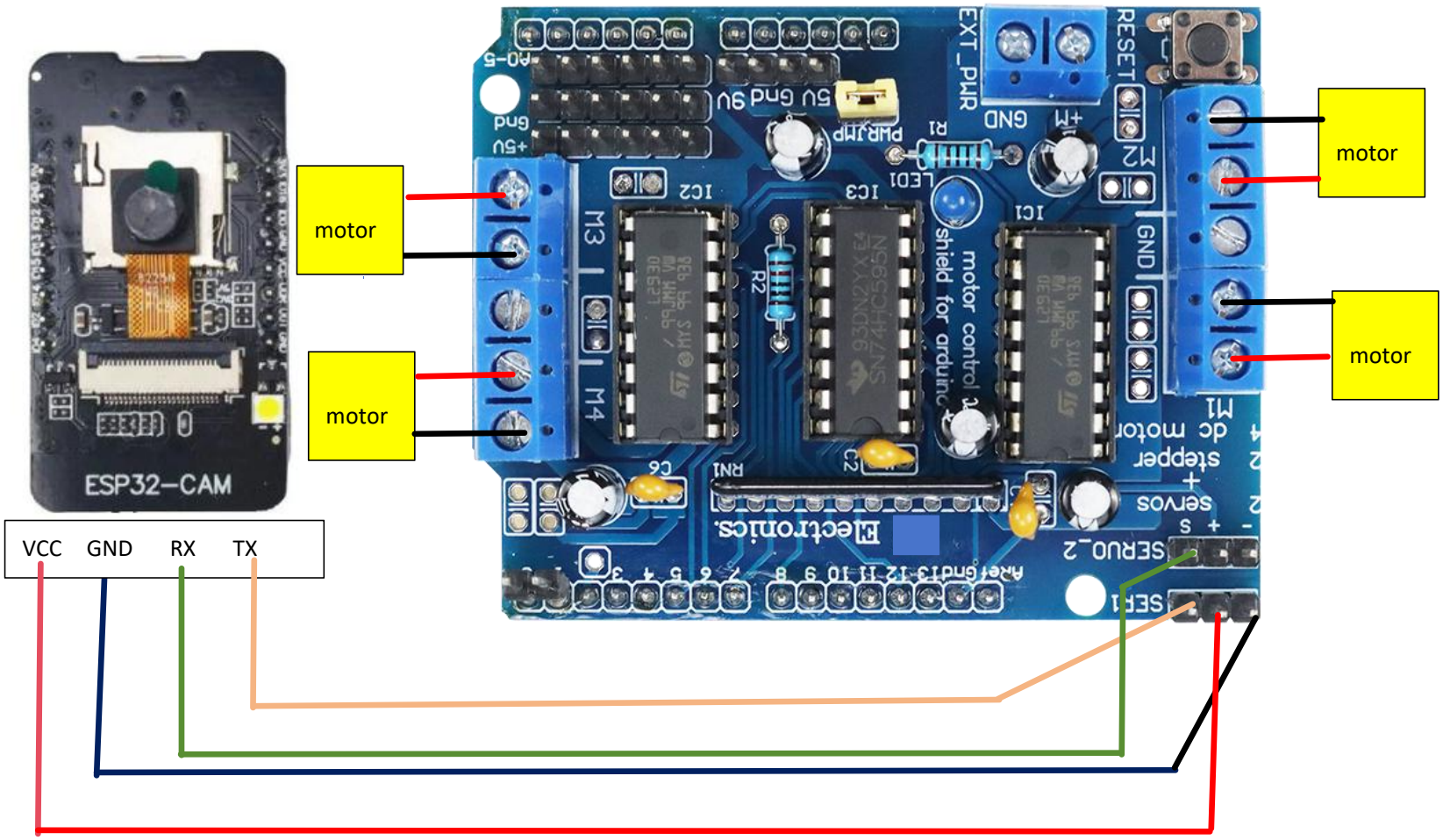
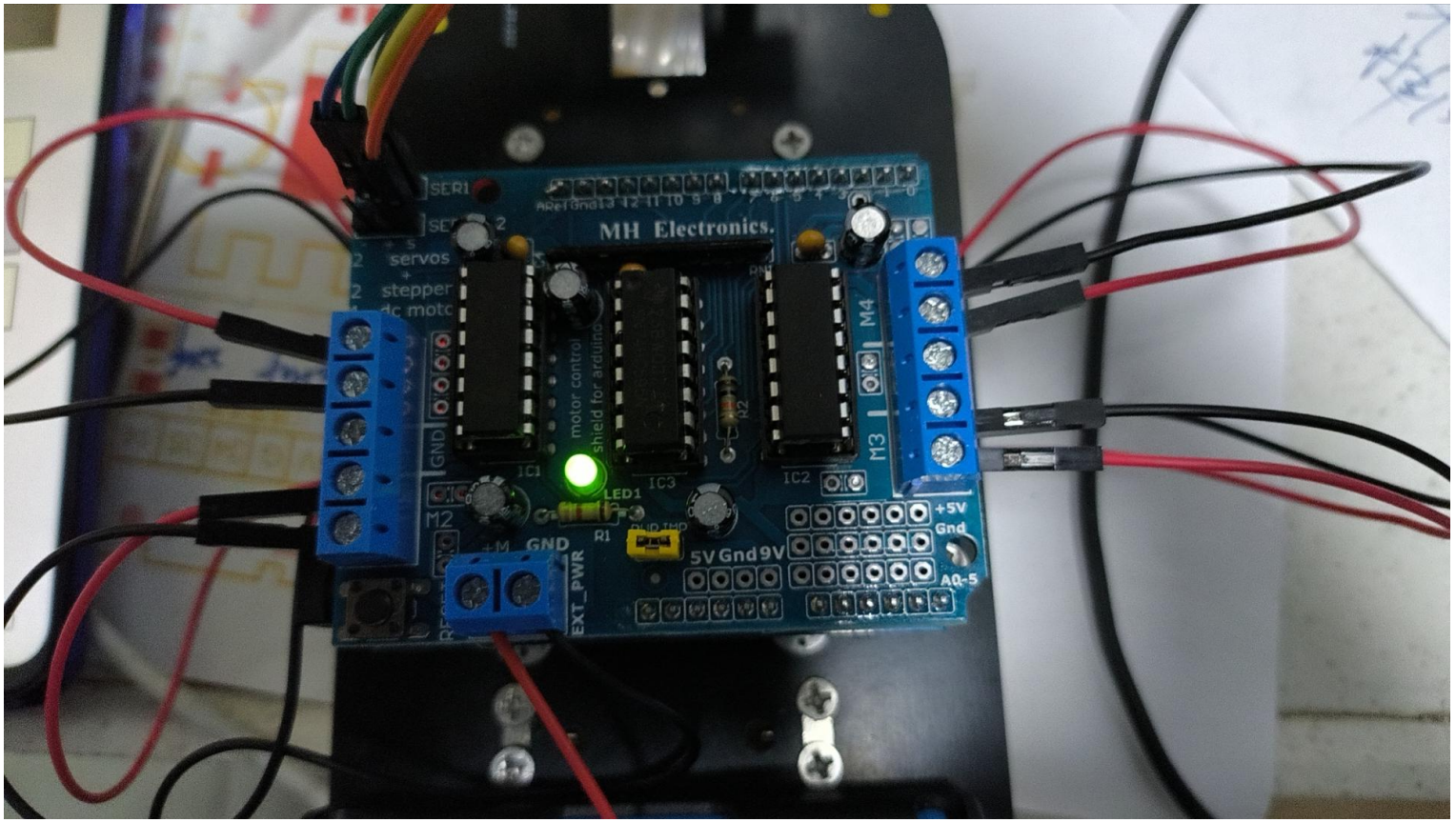
ESP32 & L293D Motor Driver Shield Wiring Diagram：

The battery box is connected to the UNO main control board power supply DC head.



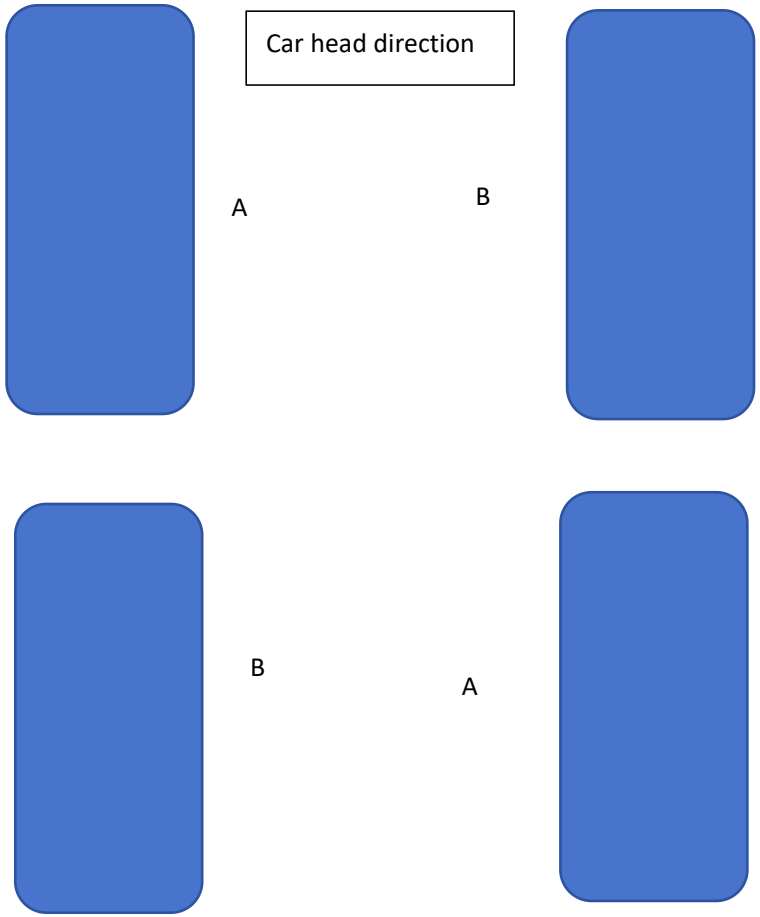
Warm reminder: If the motor direction is inconsistent, please swap the black and red wires and reconnect them to the expansion board.

The actual diagram of the motor wiring is as follows;



The installation position of the Mecanum wheel is as follows:

There are two types of Mecanum wheels: A wheel and B wheel, which are distinguished by left wheel and right wheel respectively.



FAQ:

Q: The car can't move or moves suddenly.

A:
First burn the corresponding program to UNO, then burn the corresponding program to ESP32, and then connect the wires according to the wiring diagram. If the car moves automatically, press the reset button of the motor drive expansion board, connect to the network, refresh the APP interface, and click the button to control the car to move forward. You can control it normally.

Step 1: Burn the code to the main control board first
Step 2: Use a multimeter to check whether the power supply is powered, and whether the total voltage and 5V voltage of the L293D motor drive expansion board are normal.
Step 3: Check whether the serial port wiring RX and TX are loose, poor contact or wrongly connected, resulting in the inability to transmit signals.
Step 4: Use a multimeter to measure whether the DuPont wire is normally conductive.
Step 5: Check whether the motor wire is not tightened, loose, or poorly contacted.