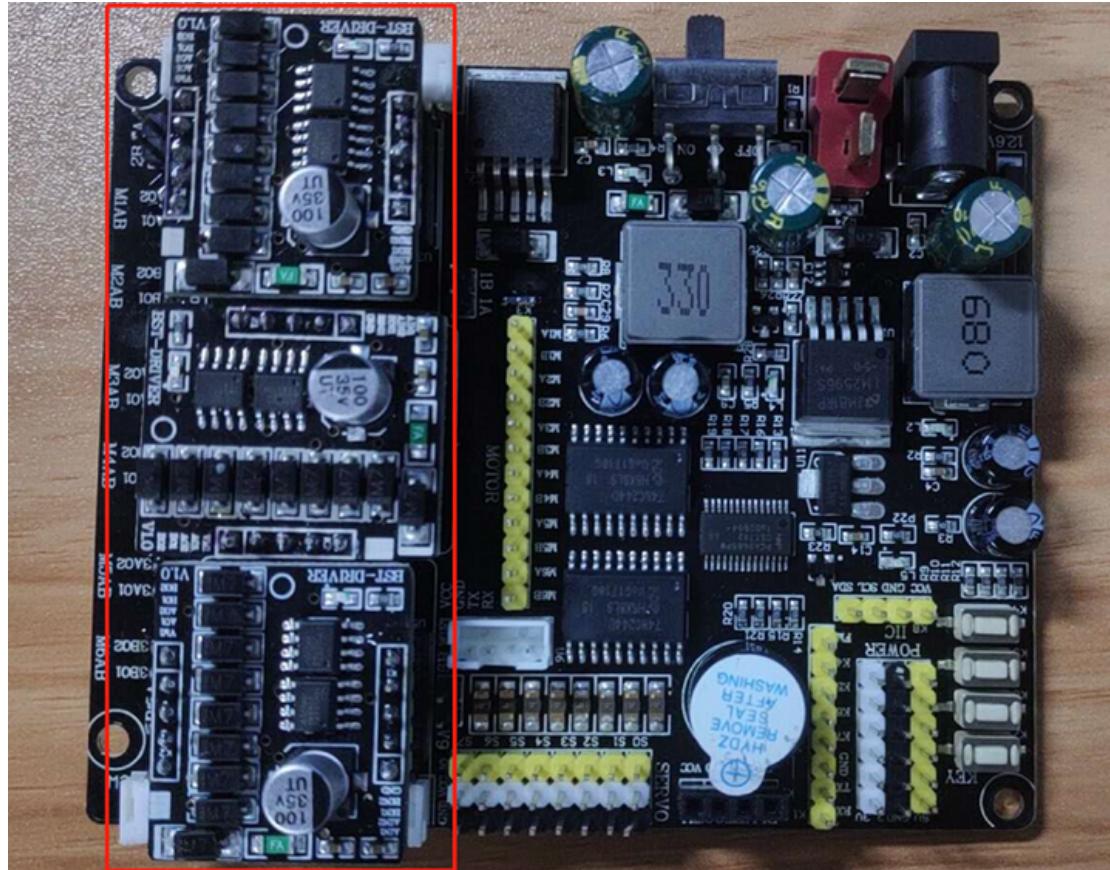


6WD robot car wiring steps in detail

1. Please check the positions of the three motor drive modules on the expansion board, which must be exactly the same as shown in the figure below.

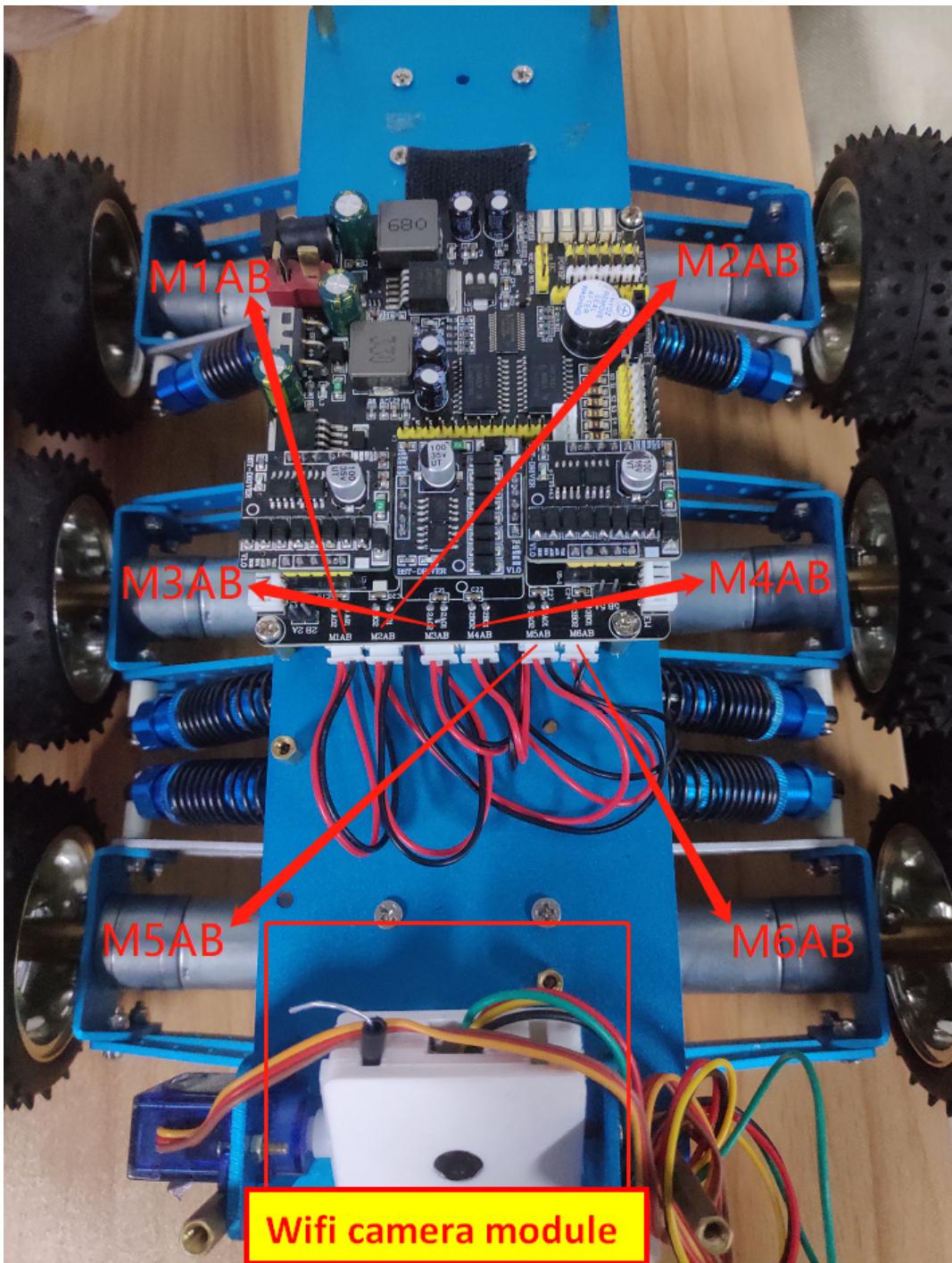
!! Note: The three motor drive modules on the 6WD expansion board cannot be installed incorrectly or reversely. Otherwise, the board will be burned.

The motor drive module is already installed at the factory. If not necessary, please do not remove the motor drive module and use it directly.



2. After installing the expansion board on the aluminum alloy chassis, we can start to connect the wiring of 6 motors. The wiring of the motor must be the same as that shown in the figure below.

!! Be sure to check carefully.



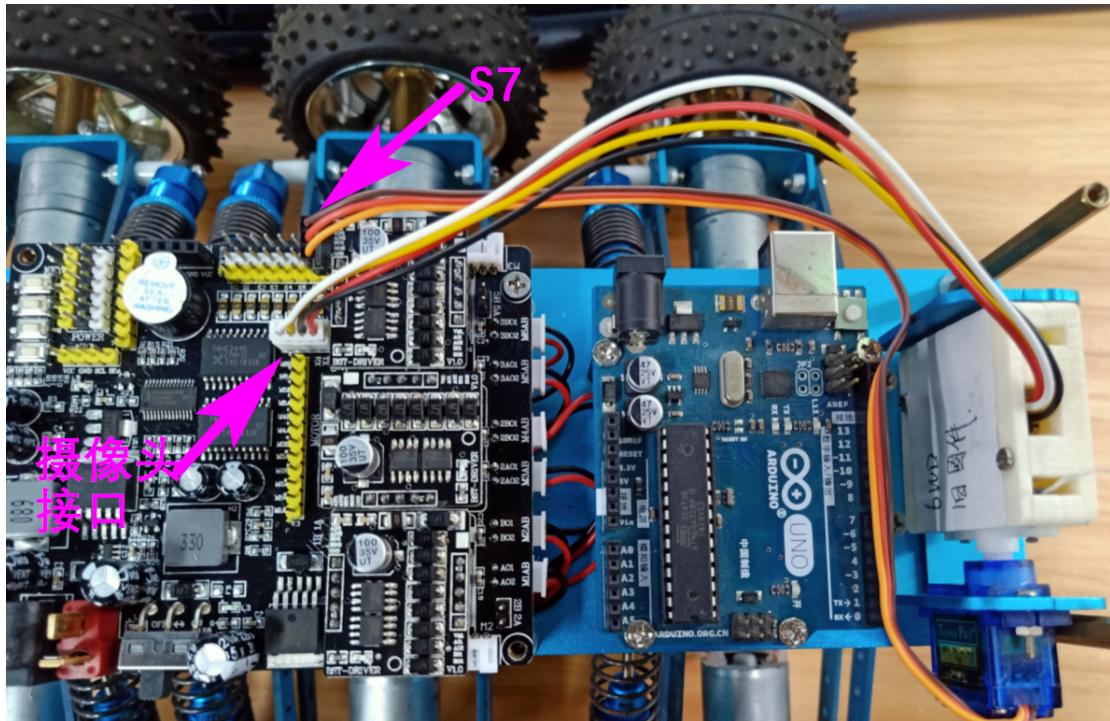
3. After install the servo and camera module is complete, and connect them to the corresponding positions respectively.

Camera module connected to the 4pin white interface on the expansion board.

The servo is connected to the S7 pin connector on the expansion board.

The brown wire of the servo needs to be connected to the corresponding black GND connector on the S7.

As shown below.



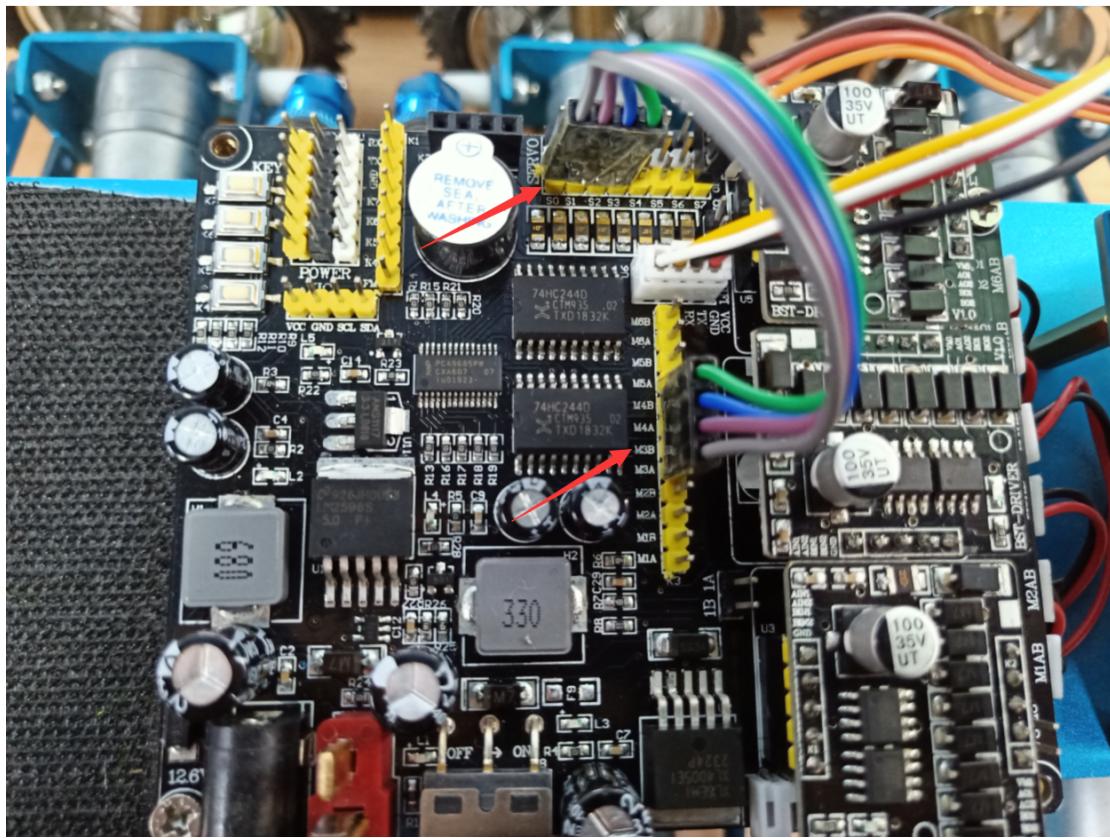
4. Take out 4 DuPont lines and connect them in the position shown in the figure below.

S0 is connected to M3A,

S1 is connected to M3B,

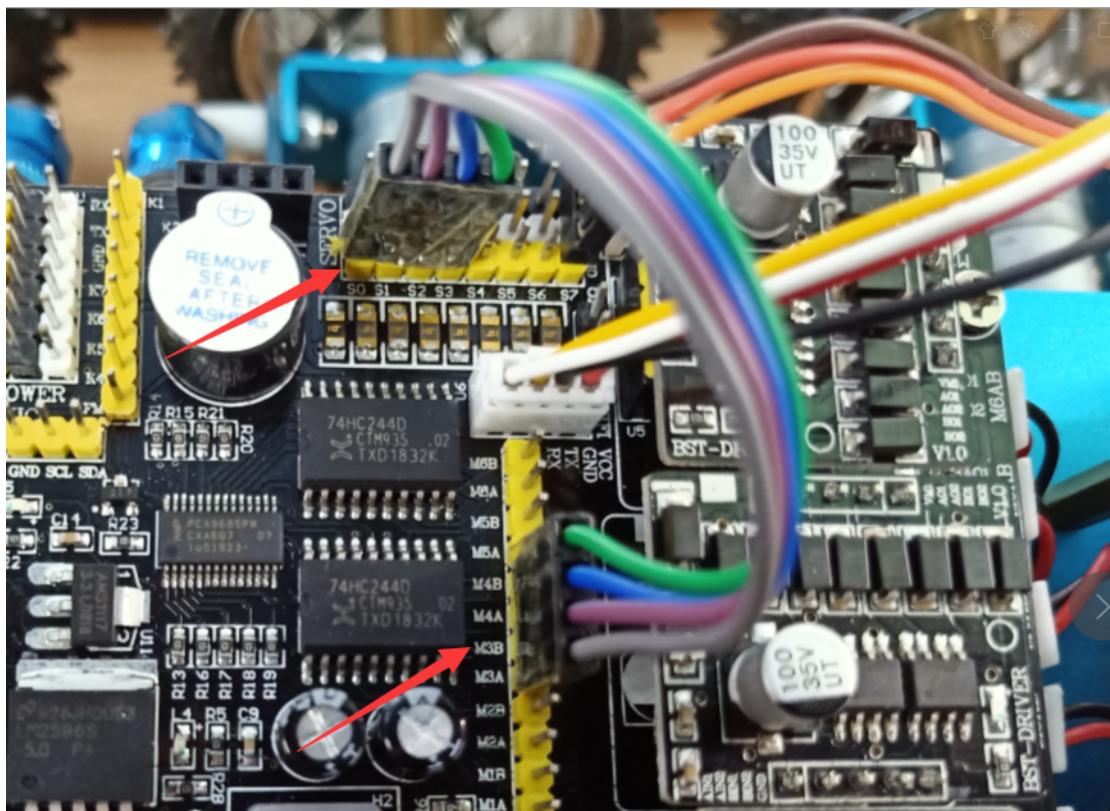
S2 is connected to M4A,

S3 is connected to M4B



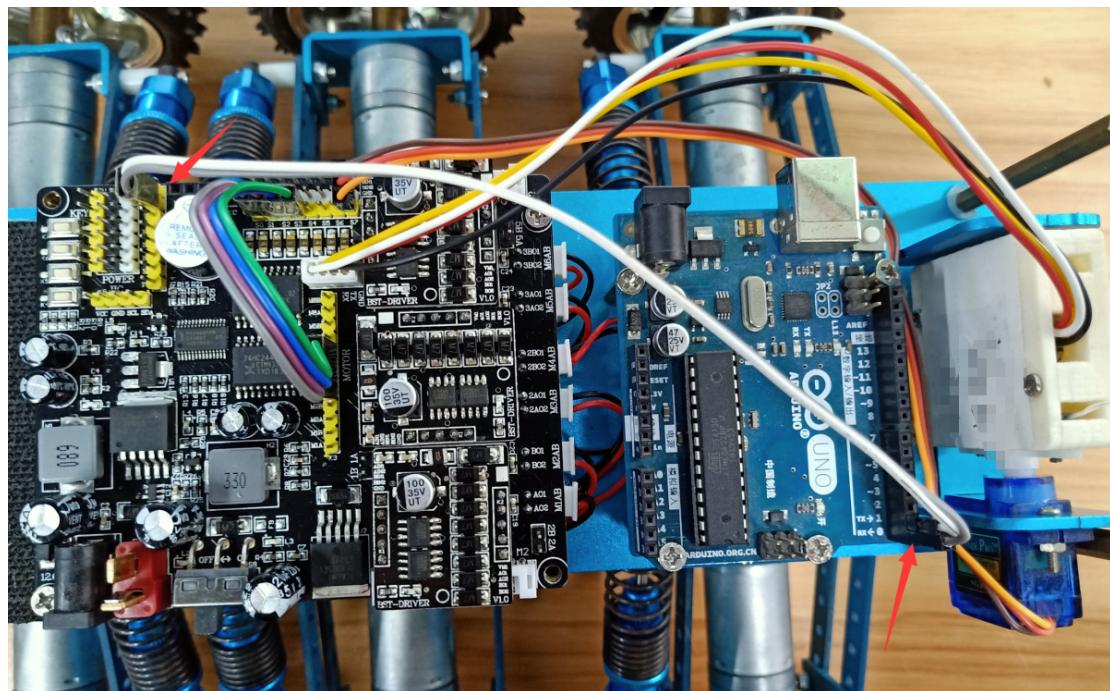
Wiring picture in detail as shown below.

!! Be sure to check carefully.



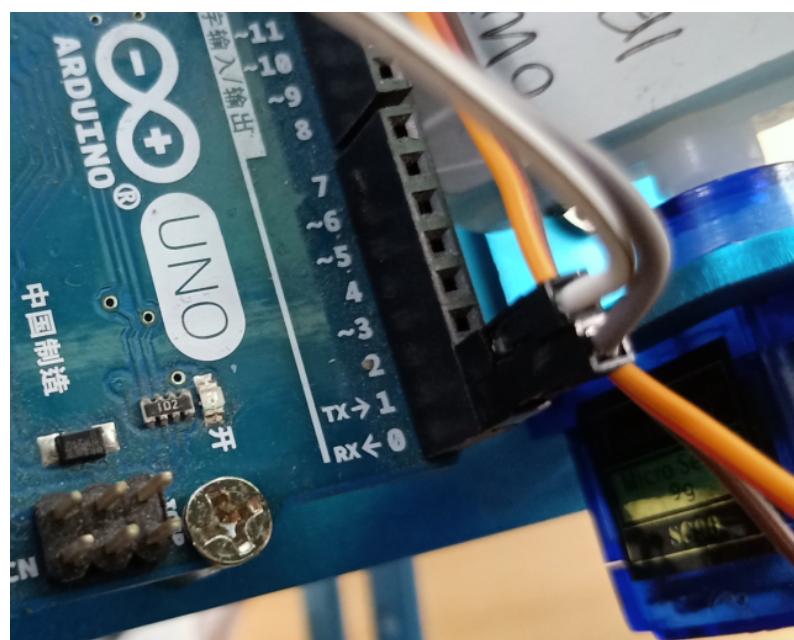
5. Take out 2 DuPont lines and connect them in the position shown in the figure below.

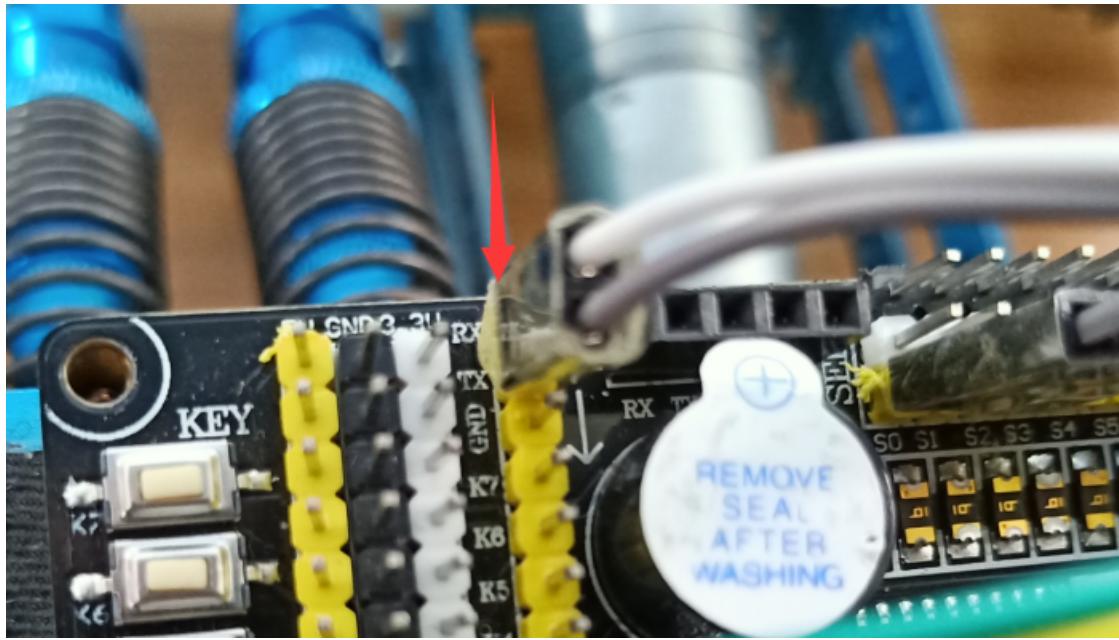
RX of expansion board connect TX of Arduino UNO,
TX of expansion board connect RX of Arduino UNO



Wiring picture in detail as shown below.

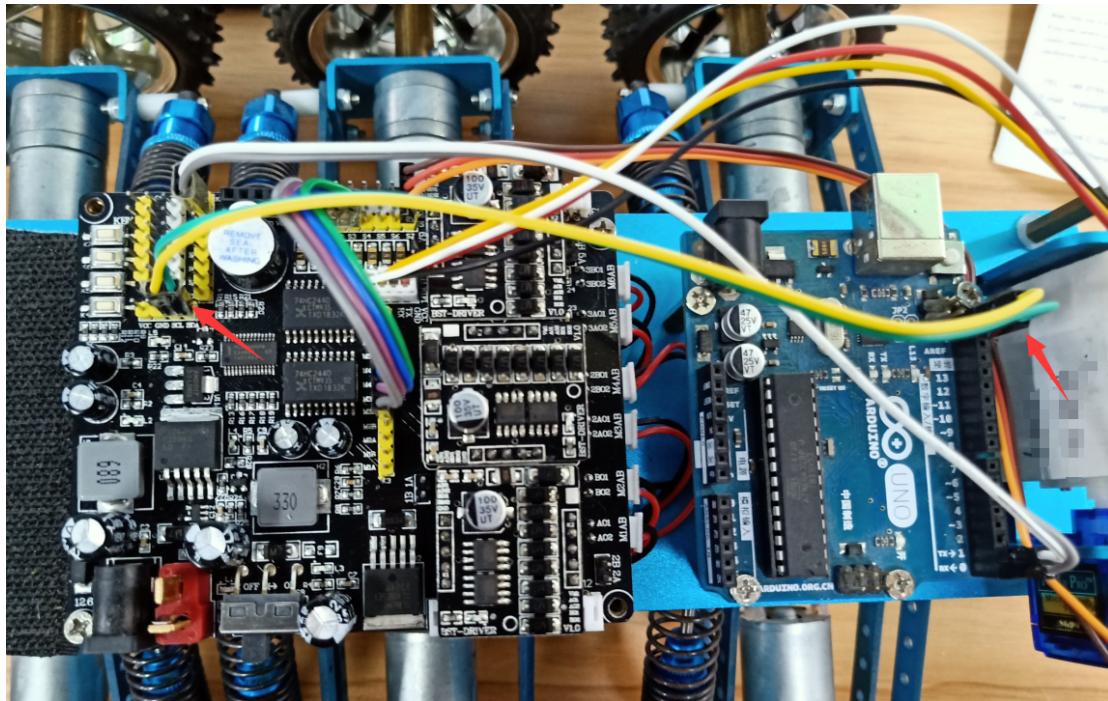
!! Be sure to check carefully.





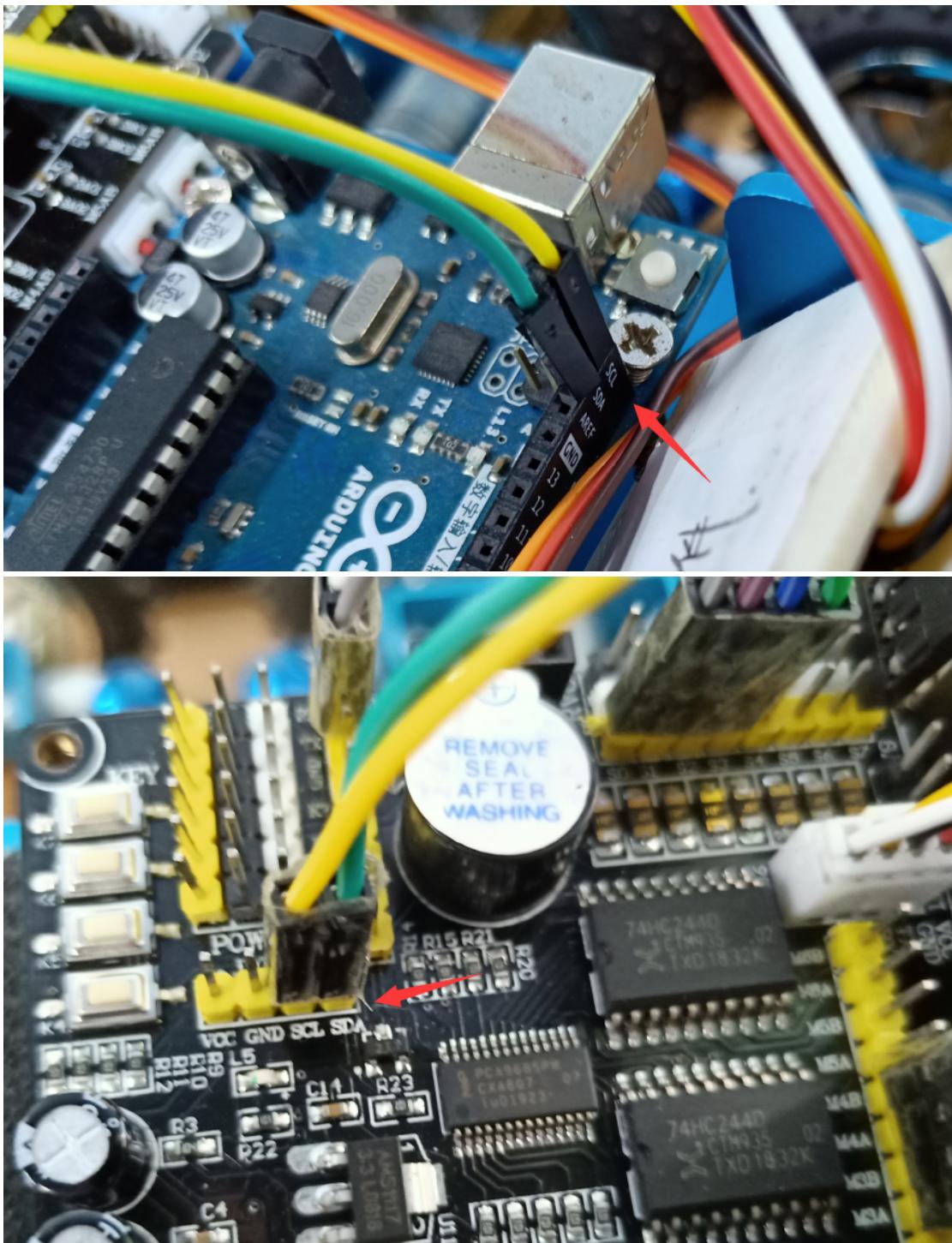
6. Take out 2 DuPont lines and connect them in the position shown in the figure below.

**SCL of expansion board connect SCL of Arduino UNO,
SDA of expansion board connect SDA of Arduino UNO**



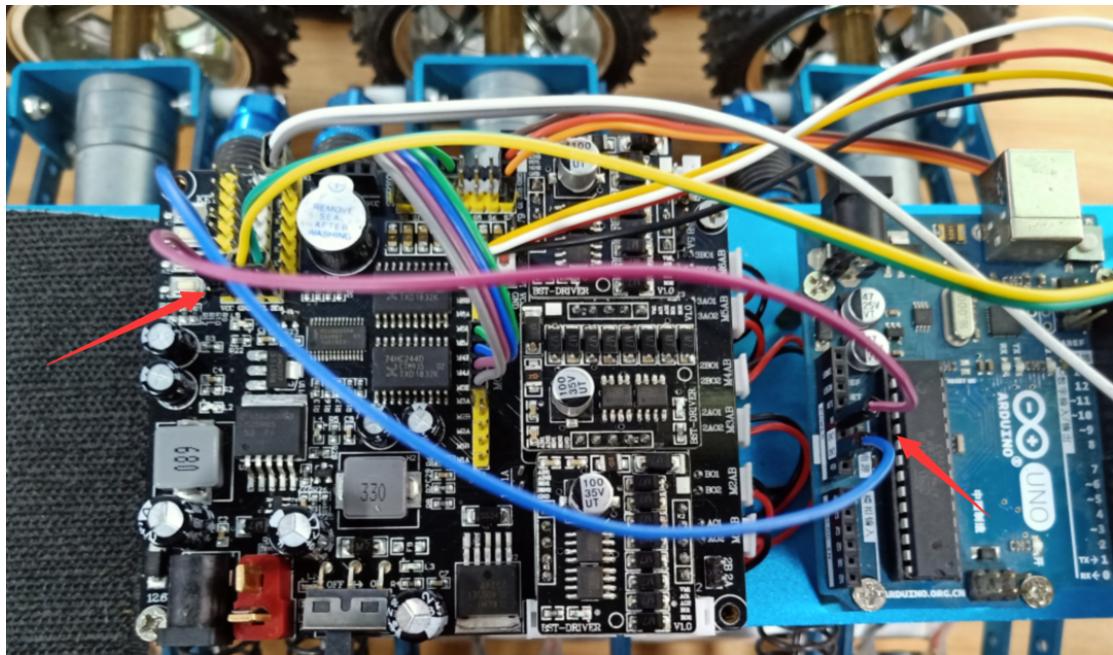
Wiring picture in detail as shown below.

!! Be sure to check carefully.



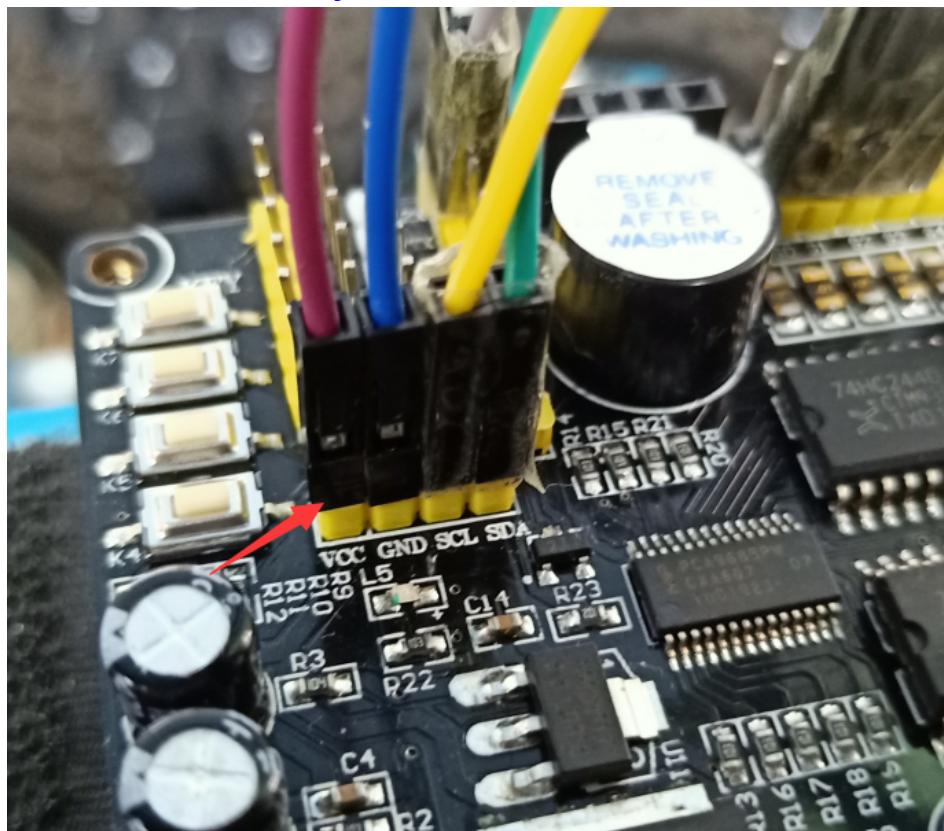
7. Take out 2 DuPont lines and connect them in the position shown in the figure below.

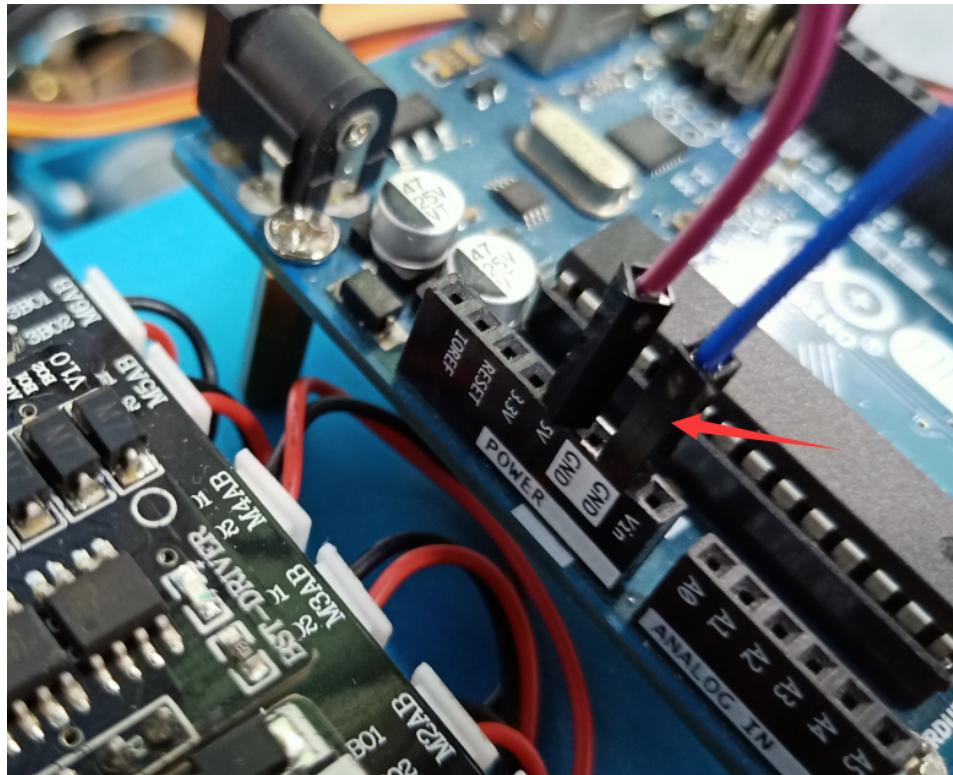
VCC of expansion board connect 5V of Arduino UNO,
GND of expansion board connect GND of Arduino UNO



Wiring picture in detail as shown below.

!! Be sure to check carefully.





The above is all the wiring of the 6WD robot car. After the wiring is completed, please be sure to check whether each wire is connected properly. If the wiring is not correct, the robot car may not be used properly or the expansion board or driver module may be burned out.