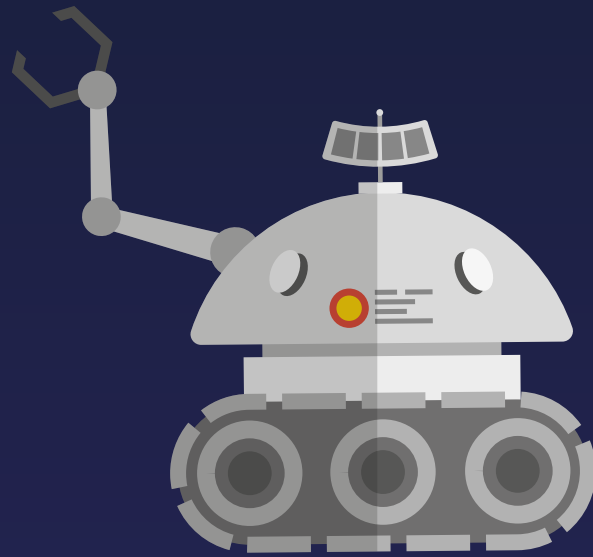
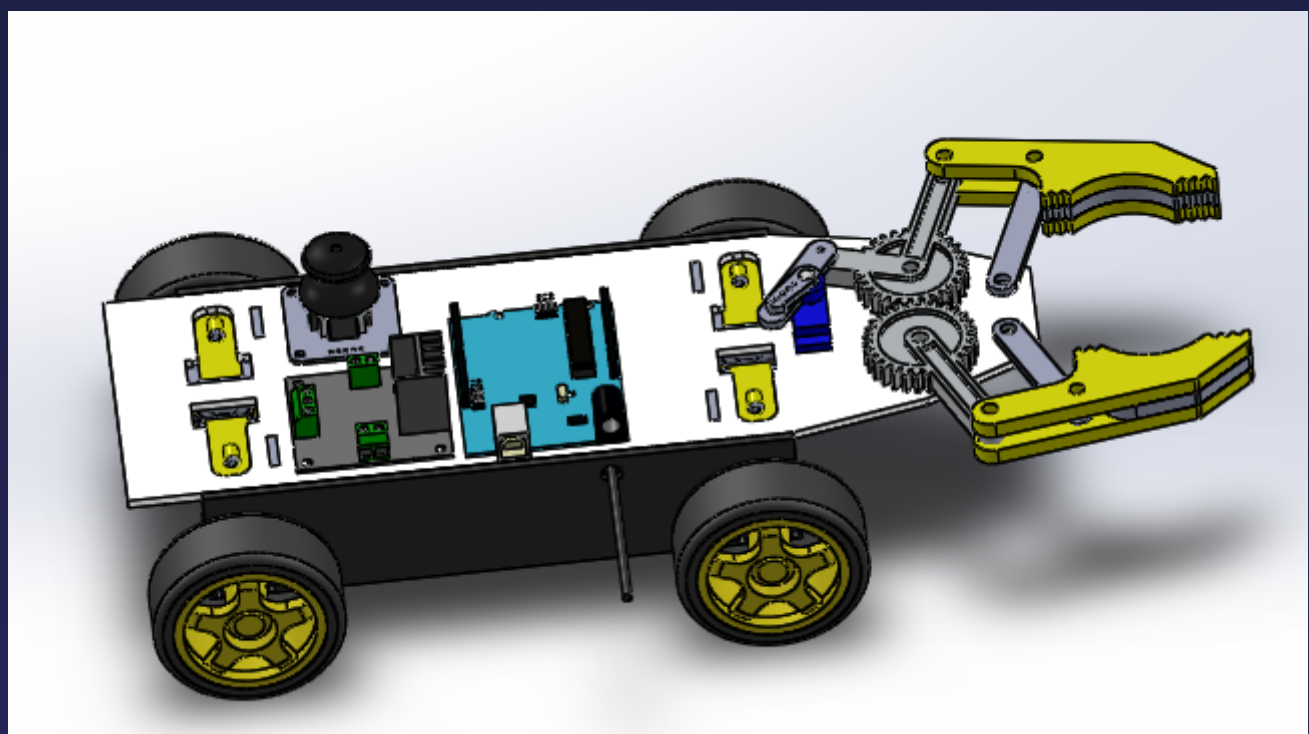


LITTLE BIRD MOON MISSION





MISSION

Little Bird wants you to part of the big mission of space exploration.

In this workshop you will build the Little Bird Rover Mark 1 for the purposes of exploring the Luna Surface.

Through building this rover you will learn skills and knowledge such as soldering, motors & servos, sensors and telemetry!

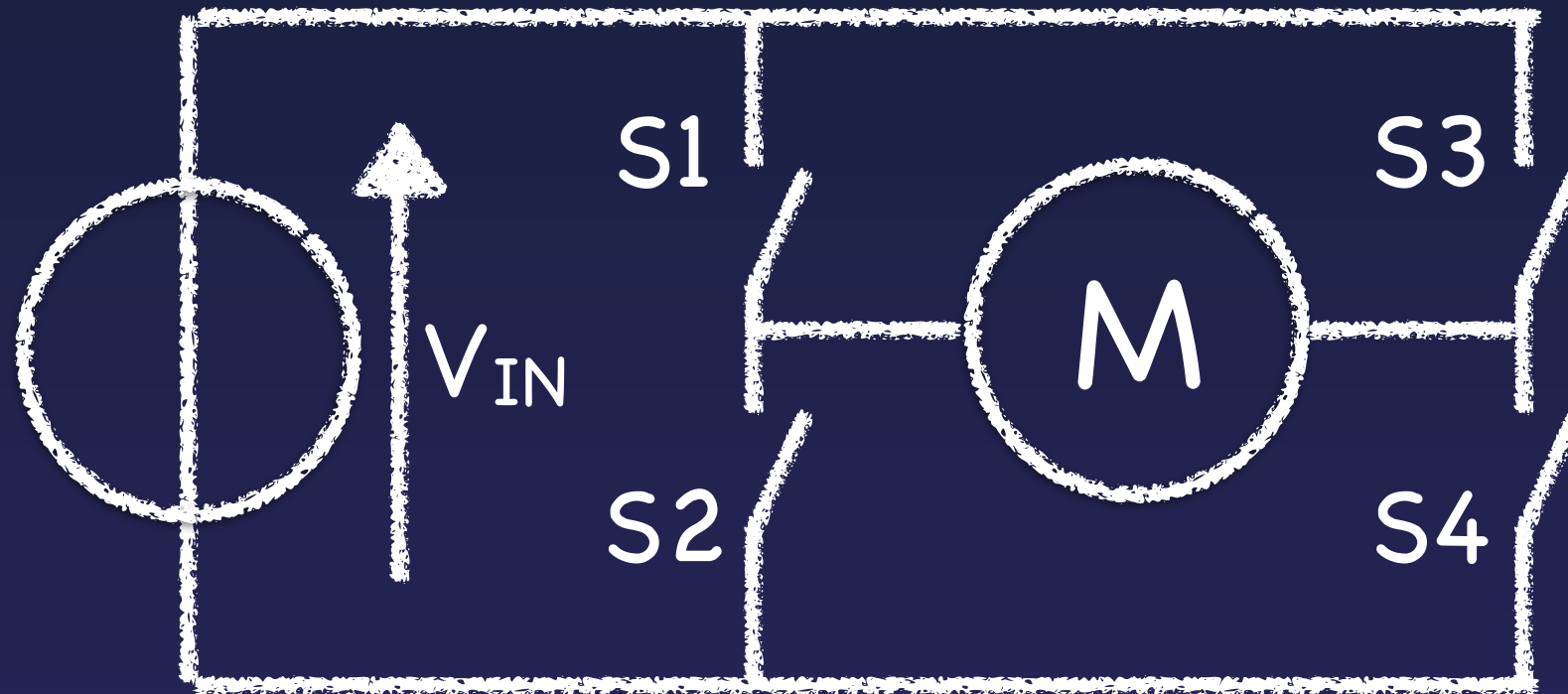
SOLDERING

MECHANICS

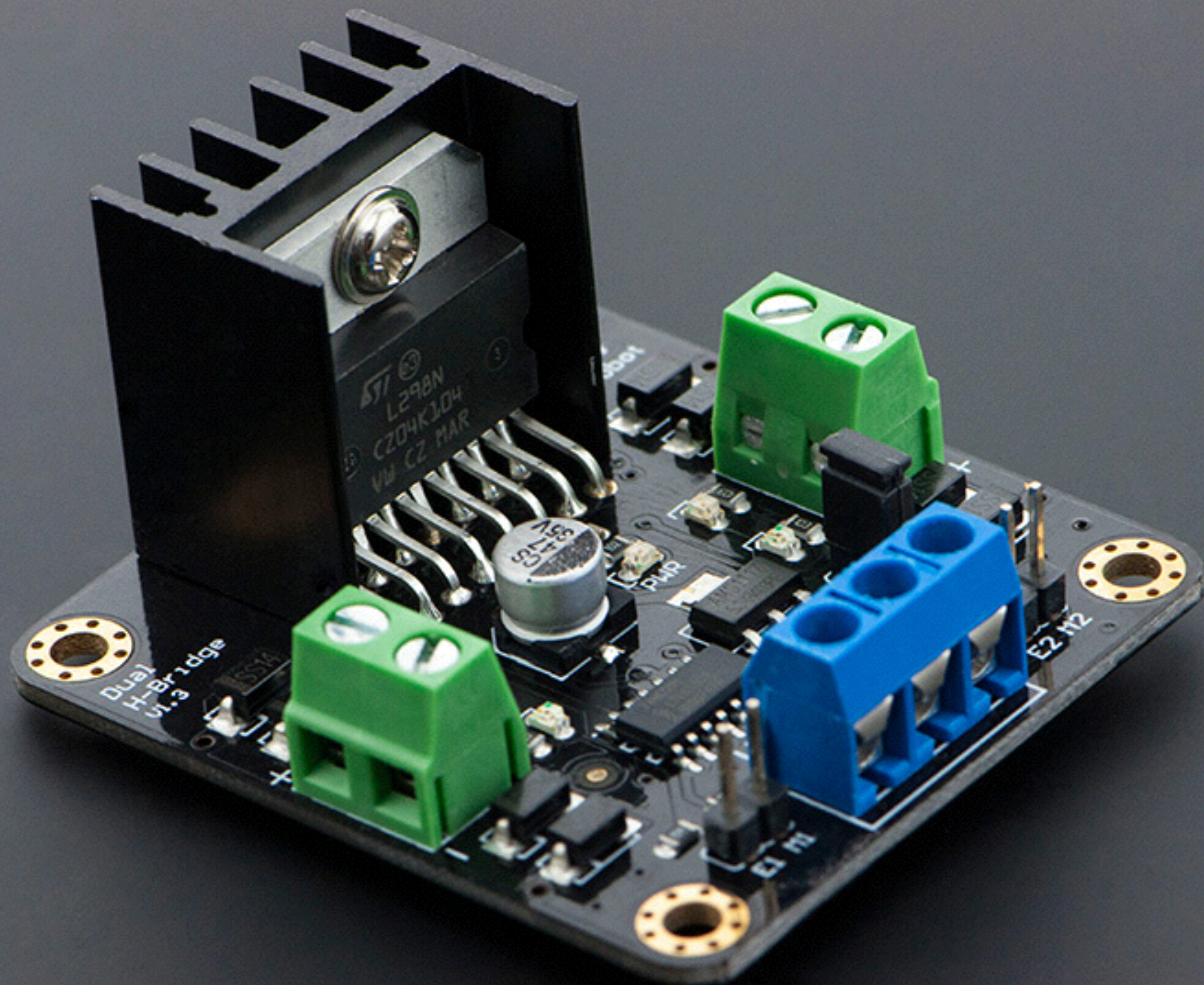
ASSEMBLY

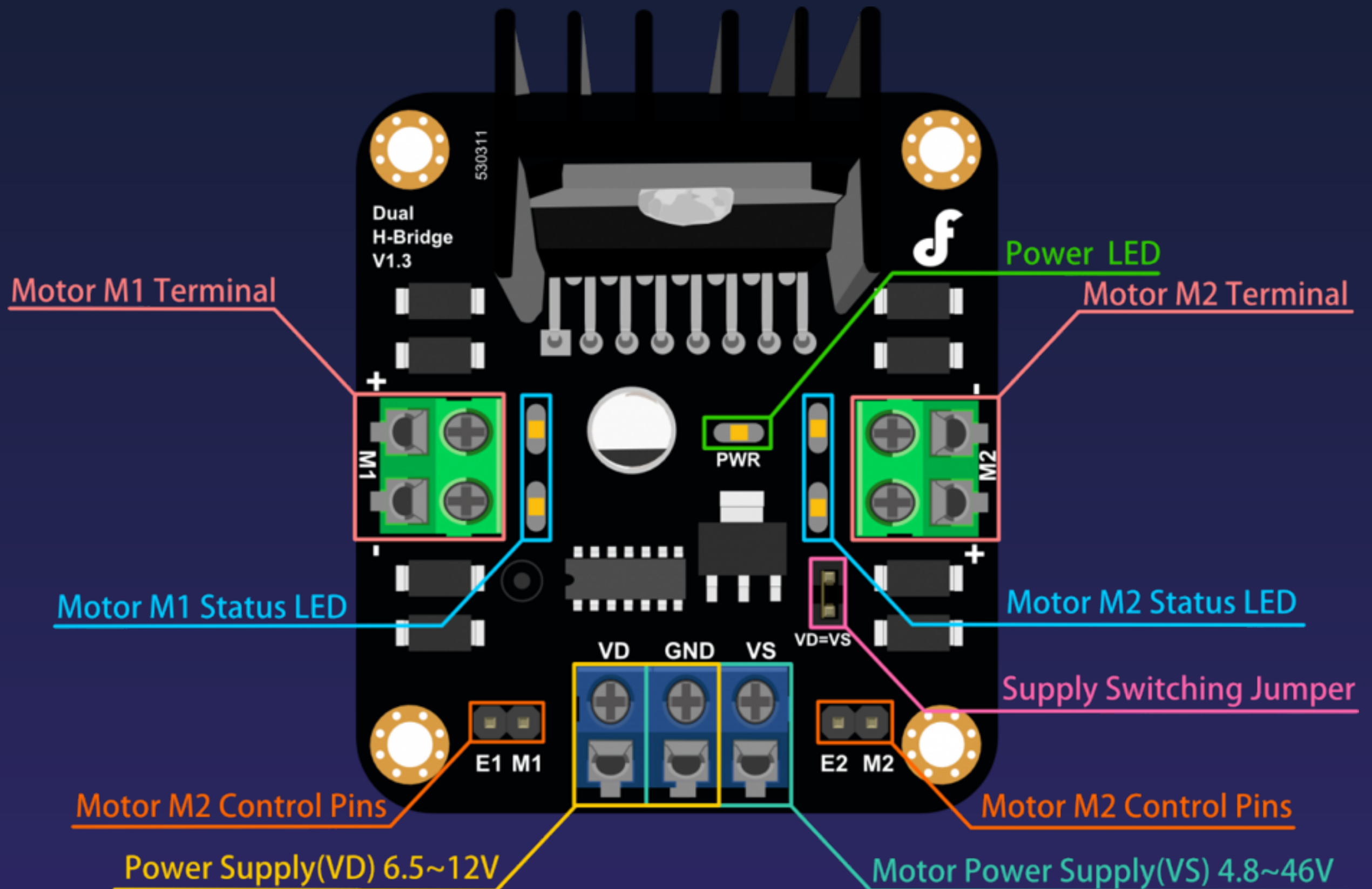
H-BRIDGE

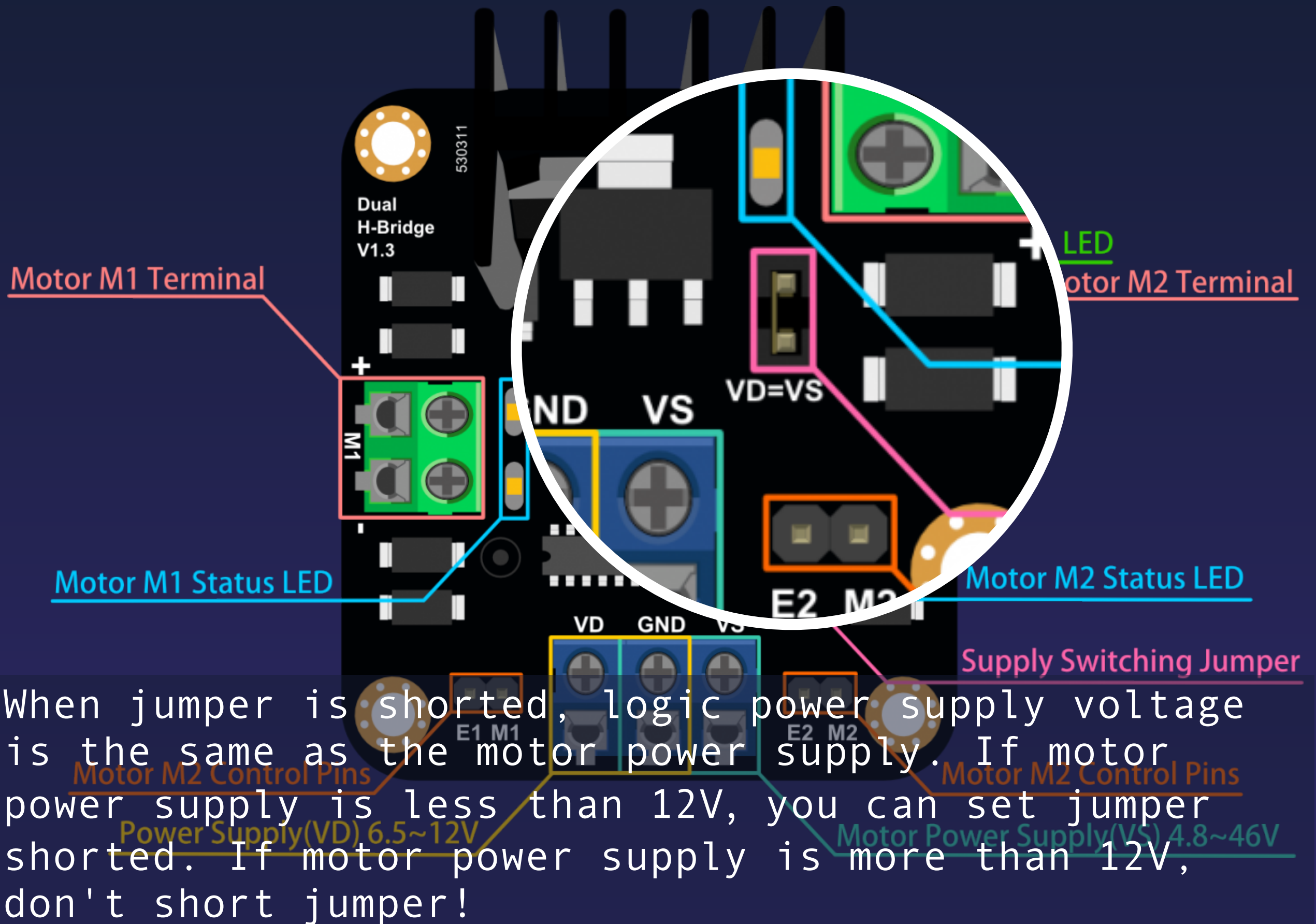
What is an H-Bridge



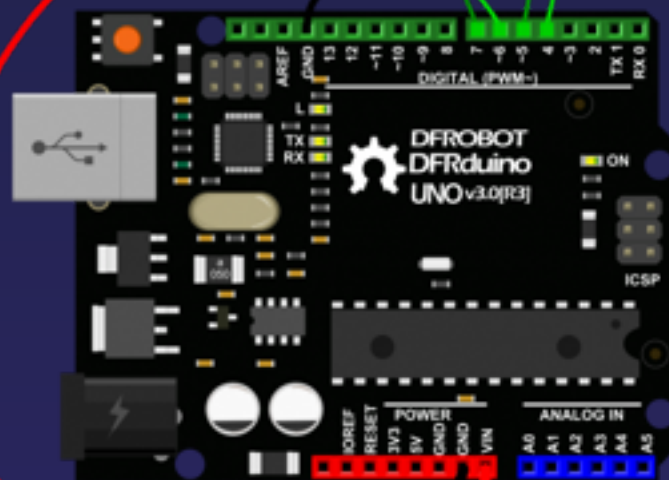
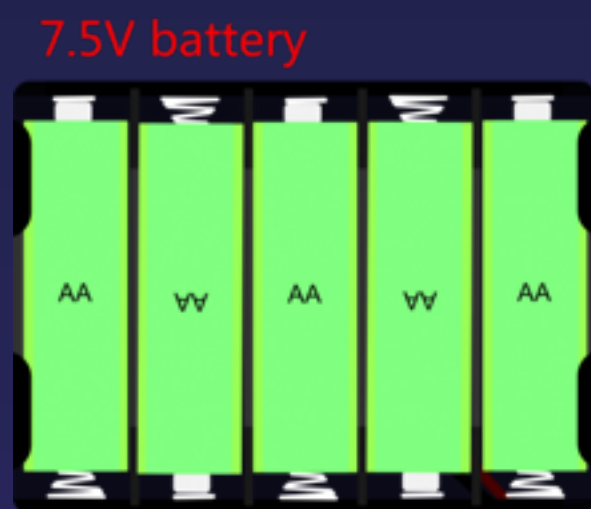
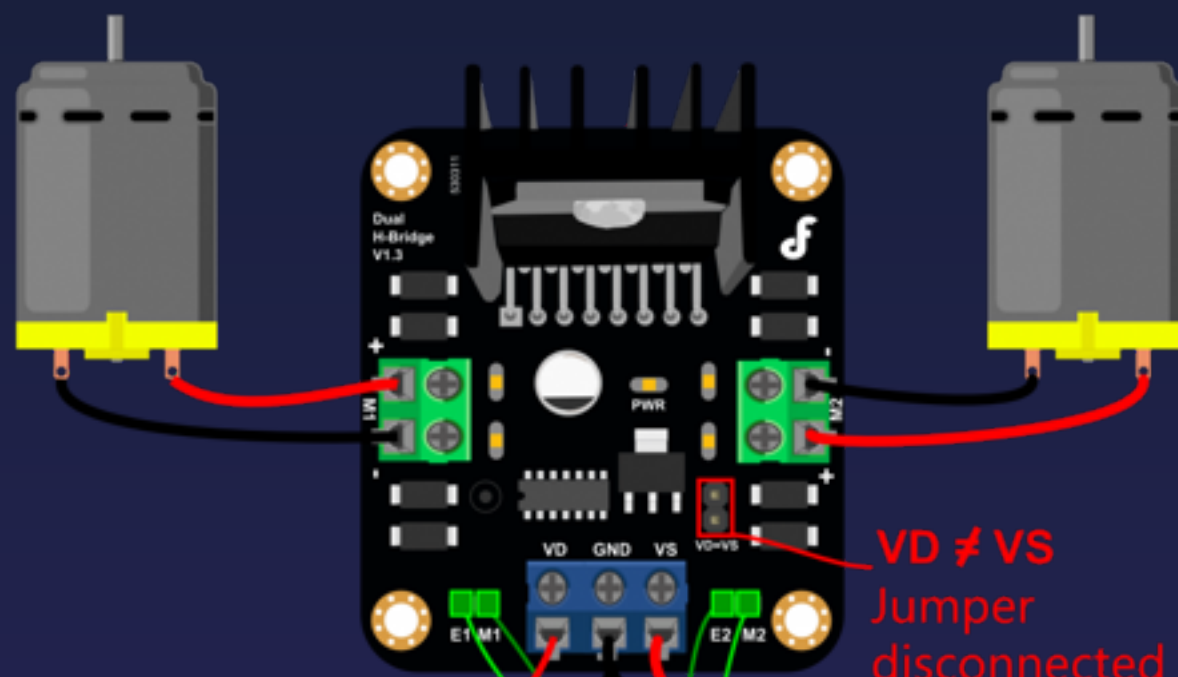
An H-bridge is an electronic circuit that enables a voltage to be applied across a load in either direction. These circuits are often used in robotics and other applications to allow DC motors to run forwards and backwards.







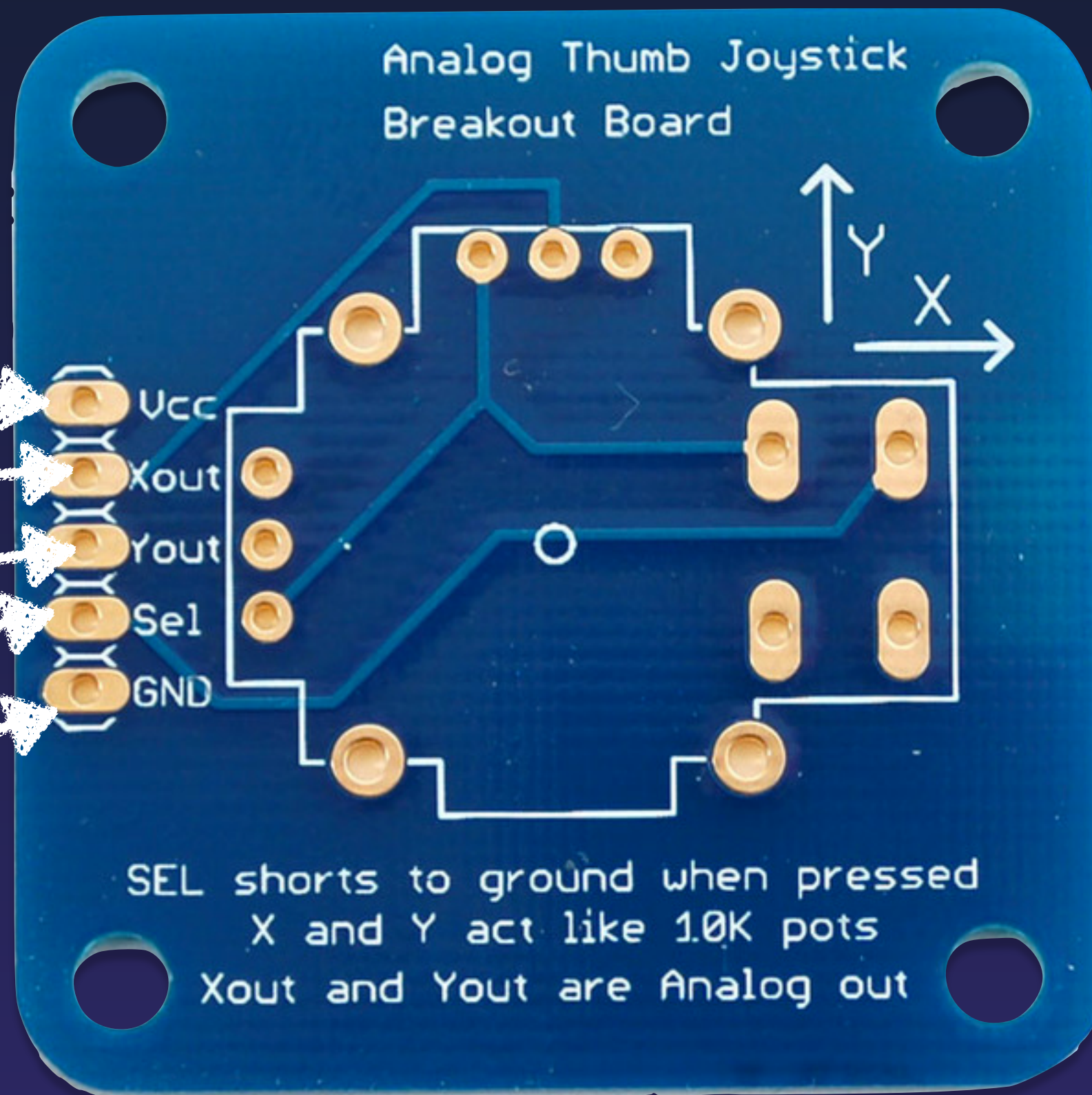
When jumper is shorted, logic power supply voltage is the same as the motor power supply. If motor power supply is less than 12V, you can set jumper shorted. If motor power supply is more than 12V, don't short jumper!



JOYSTICK

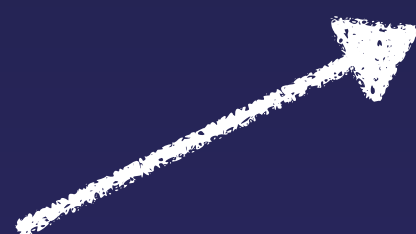
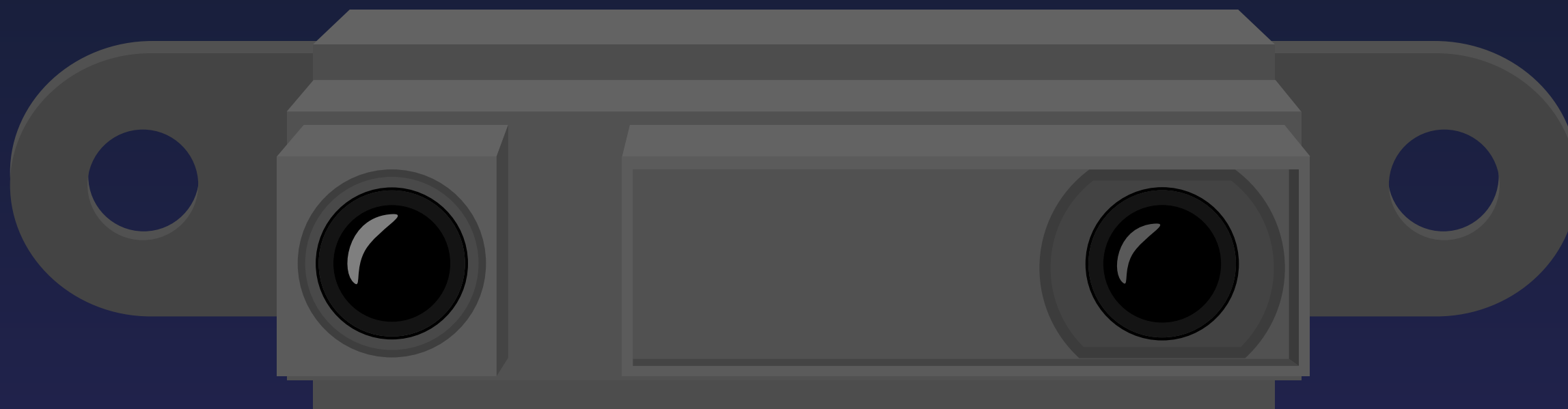
Analog Thumb Joystick Breakout Board

5V
A0
A1
D2
GND



DISTANCE

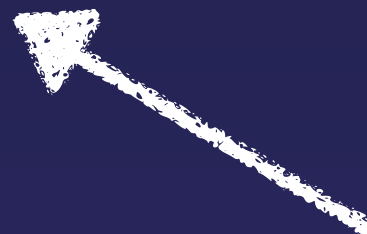
SENSOR



A2

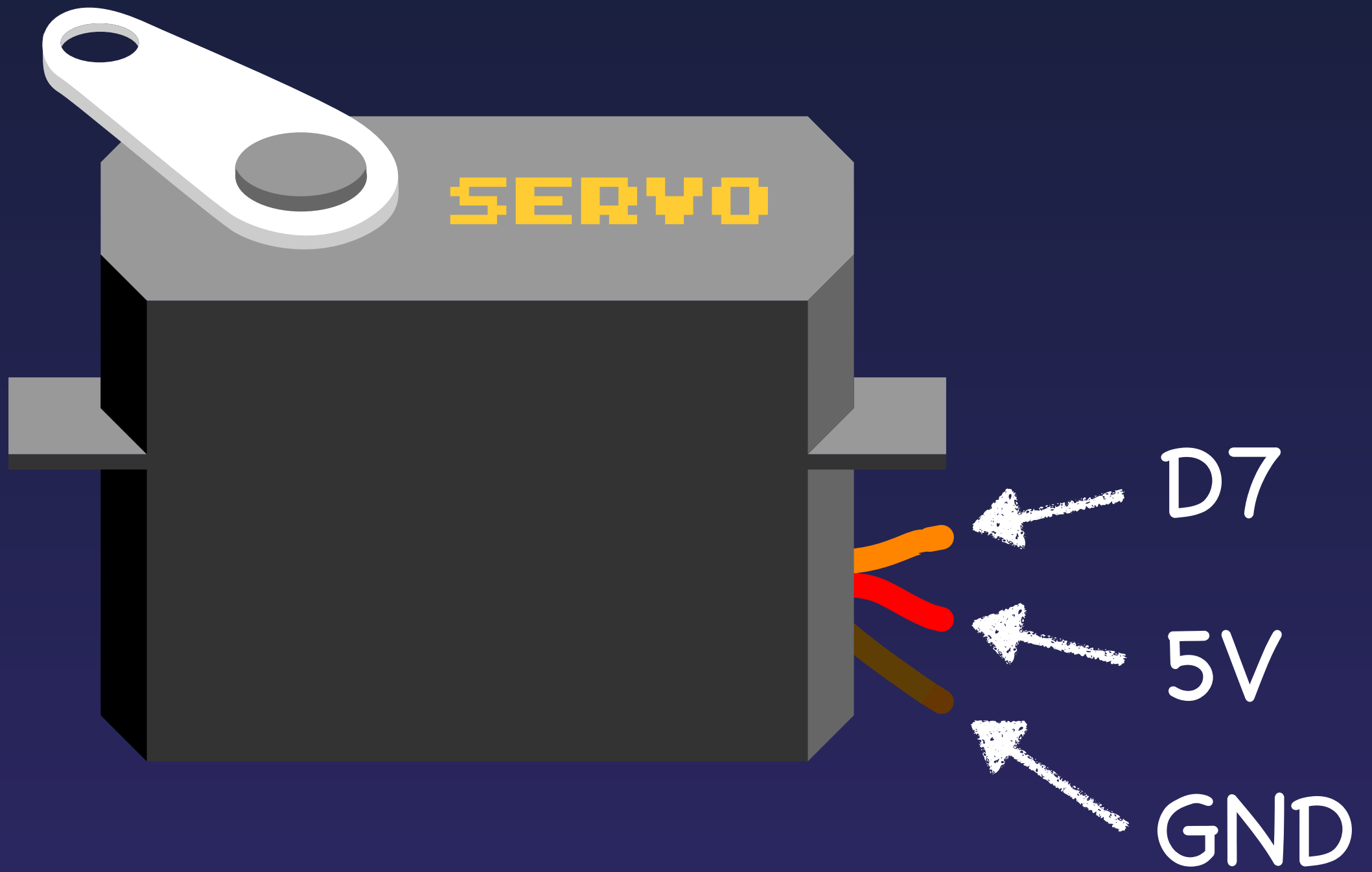


GND



5VDC

SERVO



WIFI

See Whiteboard