







Pin 1	Pin 2	Pin 7	Function
High	Low	High	Turn clockwise
High	High	Low	Turn anti- clockwise
High	Low	Low	Stop
High	High	High	Stop
Low	Not applicable	Not applicable	Stop

1. This board use RS-Pi GPIO 17,18,27,22 for two Motor GPIO 17,18 for MA1 GPIO 27,22 for MB1

2, GPIO 17,18,27,22,23,24,25,4 with status LED easy too know the GPIO high/low

3. GPIO 23,24,25,4,7,8,9,10,11 have GPIO pin for software PWM (Servo Motor) or sensors

4. 2 i2c device input port J1 GND,5V,SDA,SCL

5V Port with Logic Level converter protect J30 GND, 3V3,SDA,SCL

for plug-in other sensors

- 5. Red LED for Power Status for Motor (V+ input)
- 6. 5V LDO regulator input DC 7.2V to 9V output 5V
- * Motor use 5V DC Motor

Test Program

Download test program on our web site

http://www.pridopia.co.uk/pi-L293d-1-pw.html

New Pridopia scratch interface software you can download from our web site http://www.pridopia.co.uk/rs-pi-set-scratch.html

Package Content

1x Rs-Pi L293D-1 2 Motor board 1x Manual

(1) BASIC GPIO Motor control

BASIC GPIO Motor on off control

 define GPIO 17,18,27,22, as output

 1. GPIO 17,27 LED "ON" & 18,22 LED "OFF"
 car move forward

 2. GPIO 18,22 LED "ON" & 17,27 LED "OFF"
 car move backward

 3. GPIO 18,27 LED "ON" & 17,22 LED "OFF"
 car turn right

 4. GPIO 17,22 LED "ON" & 18,27 LED "OFF"
 car turn left

 5. GPIO 17,27 LED "OFF"
 & 18,22 LED "OFF"

 car turn left
 car STOP



(2) PWM GPIO Motor control

A - GPIO 17,18 Motor A B - GPIO 27,22 Motor B command "Motor Name"+ "DM"+"speed" speed (10 ~100) clockwise speed (-10 ~ -100) anticlockwise

ADM100 DC Motor A full speed 100 BDM100 DC Motor B full speed 100 ADM50 DC Motor A speed 50 BDM50 DC Motor B speed 50 ADM-100 DC Motor A anticlockwise full speed 100 BDM-100 DC Motor B anticlockwise full speed 100 ADM0 DC Motor A stop BDM0 DC Motor B sto