

DC MOTOR SPEED AND DIRECTION CONTROLLER

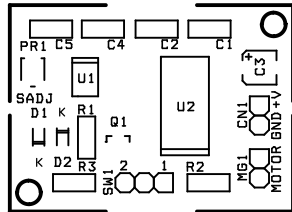
Project has been designed around L293 H-Bridge for Bidirectional motor operations, 555 Timer IC which has been used as PWM generator for speed control. L293 is capable of continues output current 800mA. Operating voltage 5V DC. Specially designed for low voltage Mini motors. Great control on speed via onboard Preset and direction by changing jumpers settings. PWM Duty cycle range 20% to 90% . Great kit can be use in science projects, Toys, Mini motor speed controllers, Robotics, Model Making.

Supply 5V DC 1A
Load Motor up to 800mA Max
Jumper for direction control
Preset for speed control

CN1: DC Supply input 5V DC 1A
MG1: DC Motor
SW1: Jumper for direction control CW/CCW
PR1: Speed control



SILK SCREEN TOP



SR	QTY	REFERENCE	DESCRIPTION
1	1	CN1	2 PIN BERG CONNECTOR
2	4	C1,C2,C4,C5	0.1uF
3	1	C3	10uF/35V
4	2	D1,D2	1N4148
5	1	MG1	2 PIN BERG CONNECTOR
6	1	PR1	100K PRESET
7	1	Q1	BC847
8	1	R1	1K
9	1	R2	10K
10	1	R3	4.7K
11	1	SW1	3 PIN JUMPER WITH CLOSER
12	1	U1	555
13	1	U2	L293DD

