

CN2

MOTOR SUPPLY

GND

MOTOR

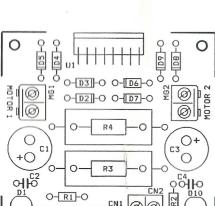
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DUAL MOTOR L298 H-BRIDGE CONTROL

Dual Motor L298 H-Bridge Control kit can control two DC motors connected to it. This kit uses the famous industry standard L298 H-Bridge IC.

- O Motor supply: 7 to 46 VDC
- O Control Logic Supply: Standard TTL logic level
- O Output DC drive to motor: upto 2 A each
- O Current Sense Output available
- O Onboard resistor provided for current limit
- o Enable and direction control pins available
- O External diode bridge provided for output
- O Heatsink for IC
- O Power-On LED indicator
- O Screw terminal connector for easy input supply (PWR) / output (Motor) connection
- O Four mounting holes of 3.2 mm each
- O PCB dimensions 61 mm x 63 mm





VCC A B EN1 C C D D D SS1 SS2 GND

SR.	QTY.	REF.	DESCRIPTION
1	1	CN1	10 PIN BERG CONNECTOR
2	1	CN2	2 PIN SCREW TERMINAL CONNECTOR
3	1	C1	470uF/16V
4	2	C2,C4	0.1uF
5	1	C3	470uF/50V
6	1	D1	GREEN LED
7	8	D2 TO D9	FR107
8	1	D10	RED LED
9	2	MG1,MG2	2 PIN SCREW TERMINAL CONNECTOR
10	1	R1	470E
11	1	R2	1K
12	2	R3,R4	0.5E, 3W
13	1	U1	L298
14	1	HEATSINK	HS09045
15	1	SCREW	SC02909
16	1	NUT	NT02900

2 A

4 EN1

6 D 7 EN2

8 S1

9 S2 10 GND

CN1 = CONTROL INPUTS

R4

5

FR107 07 M OUT3 FR ____ Q OUT4 D6 D7 FR107 FR107 MG2 D8 D9 MOTOR FR107

D10 RED LED

FR107

D4

08 1 470UF/

L298

SOUTI

OUT2

R2 1K

D3

FR107

D5

CN1 Connector: Control Signals and Logic Supply CN2 Connector: Motor Supply 7 to 46 VDC, 3 A Current

MG1 Connector: DC Motor 1 MG2 Connector: DC Motor 2 D1 LED: Logic Supply Indication D10 LED: Motor Supply Indication

Controls:

A, B: H-L Input MG1 C, D: H-L Input MG2 EN1: Enable Motor 1 EN2: Enable Motor 2 S1: Current Sens Motor 1 S2: Current Sens Motor 2 VCC: 5 VDC Logic Supply Input

H: Logic High L: Logic Low

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GND







470E D1 GREEN LED

C2

INI

IN2

IN3

IN4

ENB

ISENA

ISENB

6 ENA 10

12

R3

SE,





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