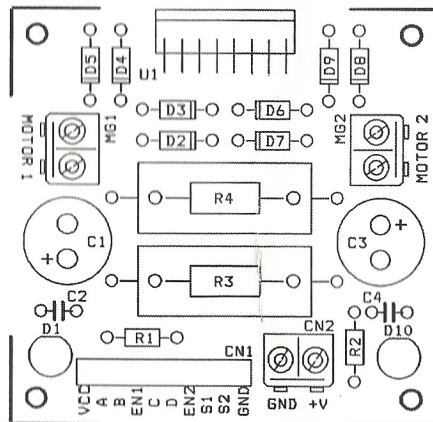
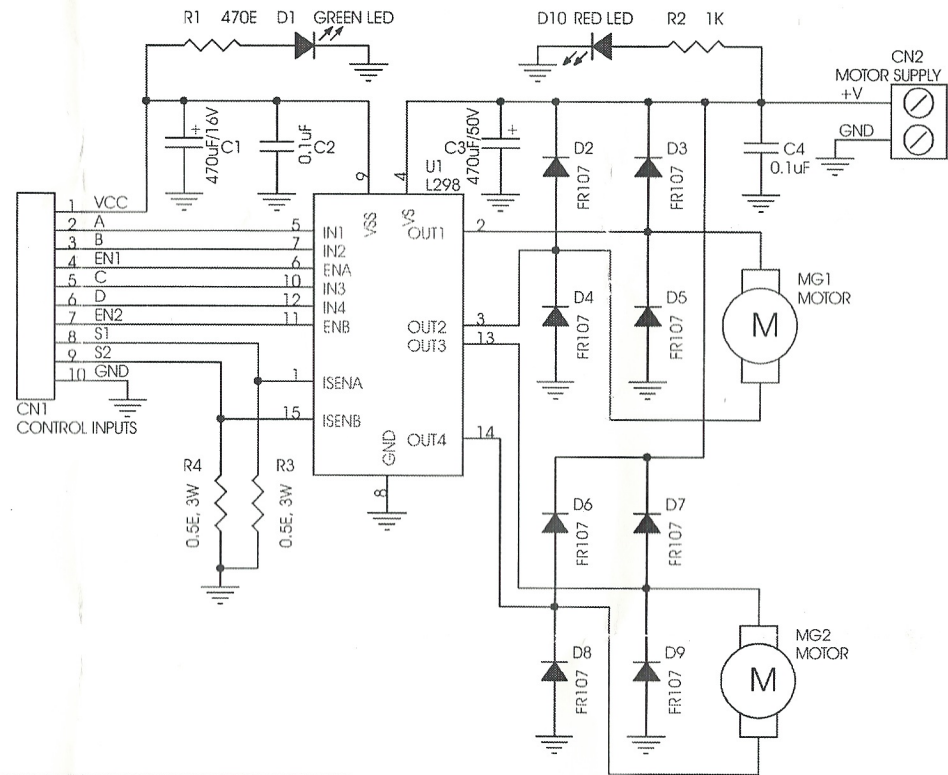
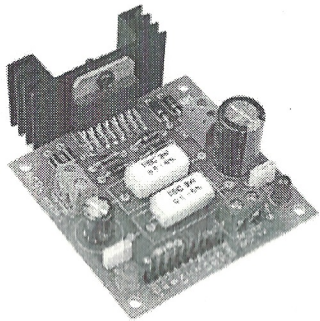


# DUAL MOTOR L298 H-BRIDGE CONTROL

## M007

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.

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



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

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

