

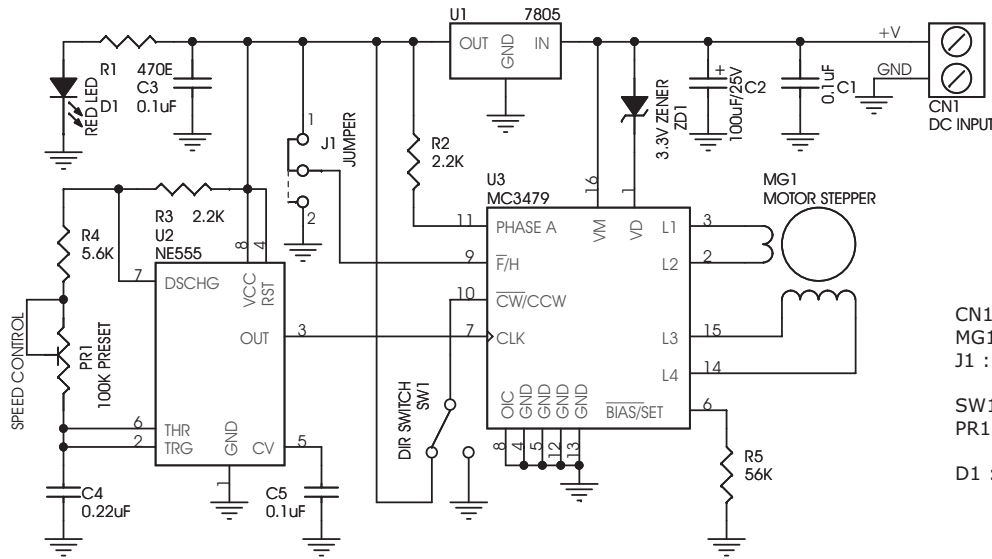
M001 BIPOLAR STEPPER MOTOR DRIVER

This kit is designed to drive two-phase stepper motor in bipolar mode. It is based on MC3479 IC.

- Input Supply : 12 VDC (7.5 to 16 V supply possible)
- Two-phase stepper motor in bipolar mode with up to 350 mA to each of the two coils
- Jumper selectable half or full step
- Adjustable speed with the help of onboard preset
- Direction control with help of a on board slide switch
- Power-On LED indicator
- Screw terminal connector for easy input supply and output motor connection
- Four mounting holes of 3.2 mm each
- PCB dimensions 60 mm x 49 mm



SR.	QTY.	REF.	DESCRIPTION
1	1	CN1	2 PIN SCREW TERMINAL CONNECTOR
2	3	C1,C3,C5	0.1uF
3	1	C2	100uF/25V
4	1	C4	0.22uF or 220nF
5	1	D1	RED LED
6	1	J1	3 PIN JUMPER WITH CLOSER
7	1	MG1	4 PIN SCREW TERMINAL CONNECTOR
8	1	PR1	100K PRESET
9	1	R1	470E
10	2	R2,R3	2.2K
11	1	R4	5.6K
12	1	R5	56K
13	1	SW1	SLIDE SWITCH
14	1	U1	7805
15	1	U2	NE555
16	1	U3	MC3479P
17	1	ZD1	3.3V ZENER
18	1	SOCKET	8 PIN DIP IC SOCKET
19	1	SOCKET	16 PIN DIP IC SOCKET
20	1	SCREW	SC02905
21	1	NUT	NT02900



CN1 Connector : DC Supply Input 12 VDC
 MG1 Connector : Bipolar Stepper Motor
 J1 : Jumper for Half/Full step selection
 (1 - Half step, 2 - Full step)
 SW1 : Direction Switch CW/CCW
 PR1 : Speed Control (32 Hz to 470 KHz)
 Other speed can achieve by changing C4 value
 D1 : LED Power Indication

