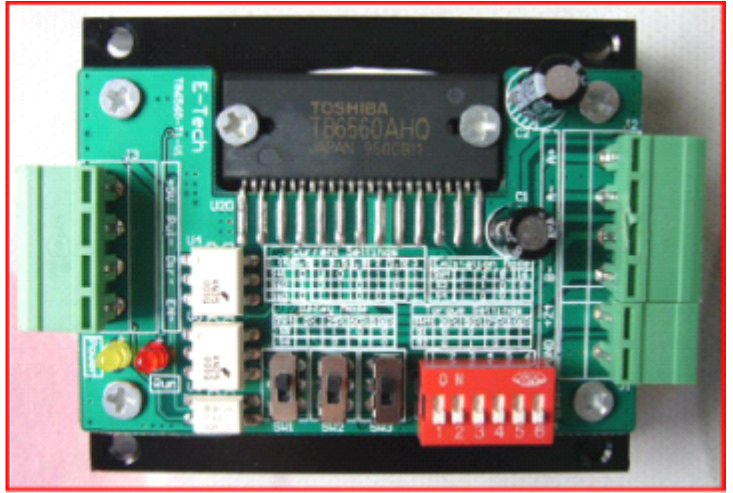
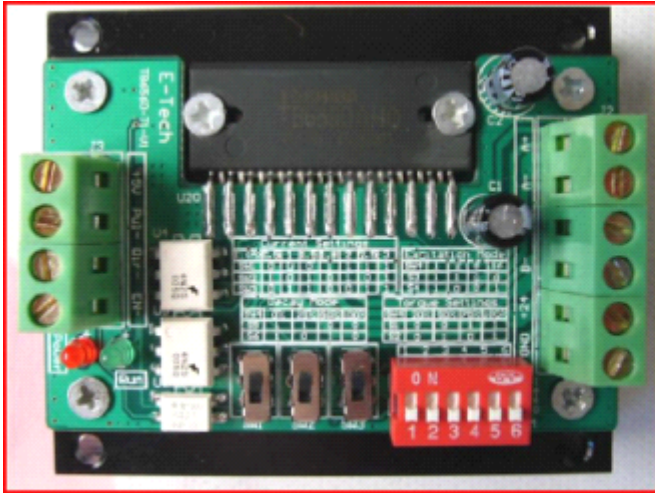


M335-B Step Motor Driver Manual



Pls read this manual carefully for reference before using the driver.

Pls put this manual away for further reference.

Pictures are just for references pls make the object as the standard.



Safety Notes:

The driver is applied with DC power, pls assure that the positive and negative charges are right connected before the power on.

The driver is not strictly sealed,pls do not let conductive objects like small screws or scrap metal go inside. Neither do combustible objects.

Keep the driver from damp environment.

Keep the driver in adequate ventilation.

Pls make sure that the motor driver is at the rated temperature after running for half an hour. If the temperature is abnormal pls contact us.

Features:

High integration; high reliability

High speed optocoupler isolation interface

High resistance to the high-frequency interruption

Max. input voltage: DC 35V(peak)

Main functions:

Excitation choices: whole excitation/2 excitation/8 excitation/16

excitation

Output current: 7 choices

Auto over-heat protection

Auto semi-current locking, semi-current: 4 choices

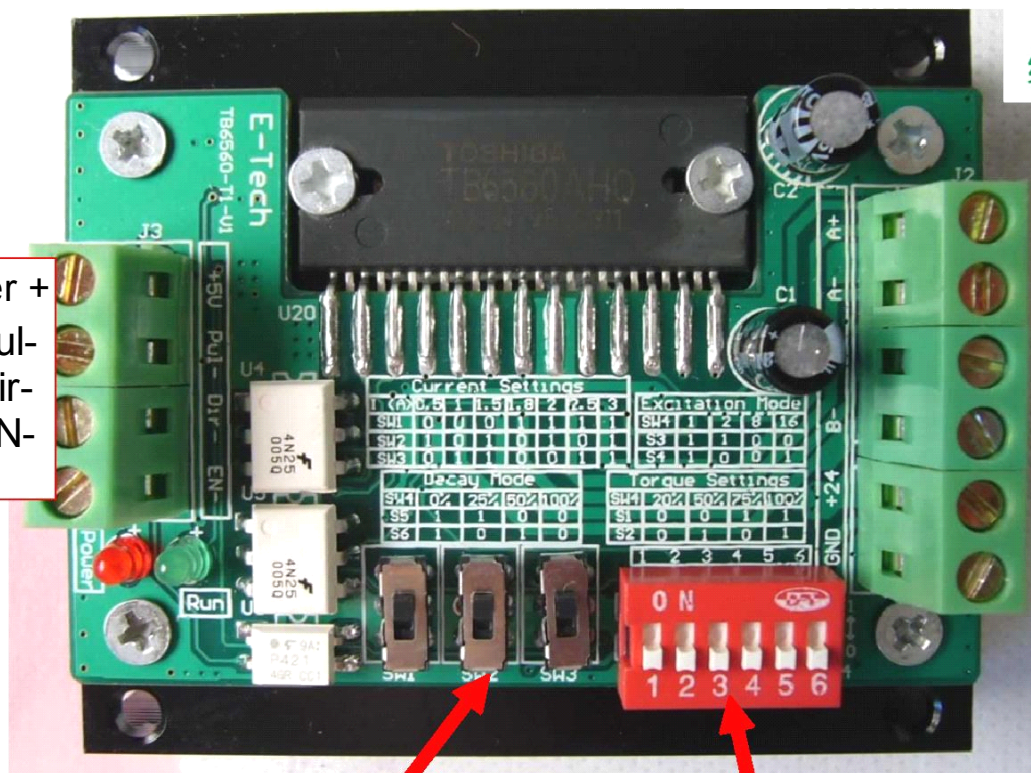
Decay mode: 4 choices

Working

Factors:

Contents		Min.	Rated	Max.	Unit
Temperature		-30	/	80	℃
DC Input Voltage(DC)		7	24	32	V
Out Input Frequency		0	/	16000	Hz
Inne Frequenc r y		640	/	20000	Hz
Outp ut Current		0.6	/	3	A
I nterface Voltage	H	4.5	5	5.5	V
	L	0	0	0.5	V

Interface Definition:



Signal Power +
Pul-
Dir-
EN-

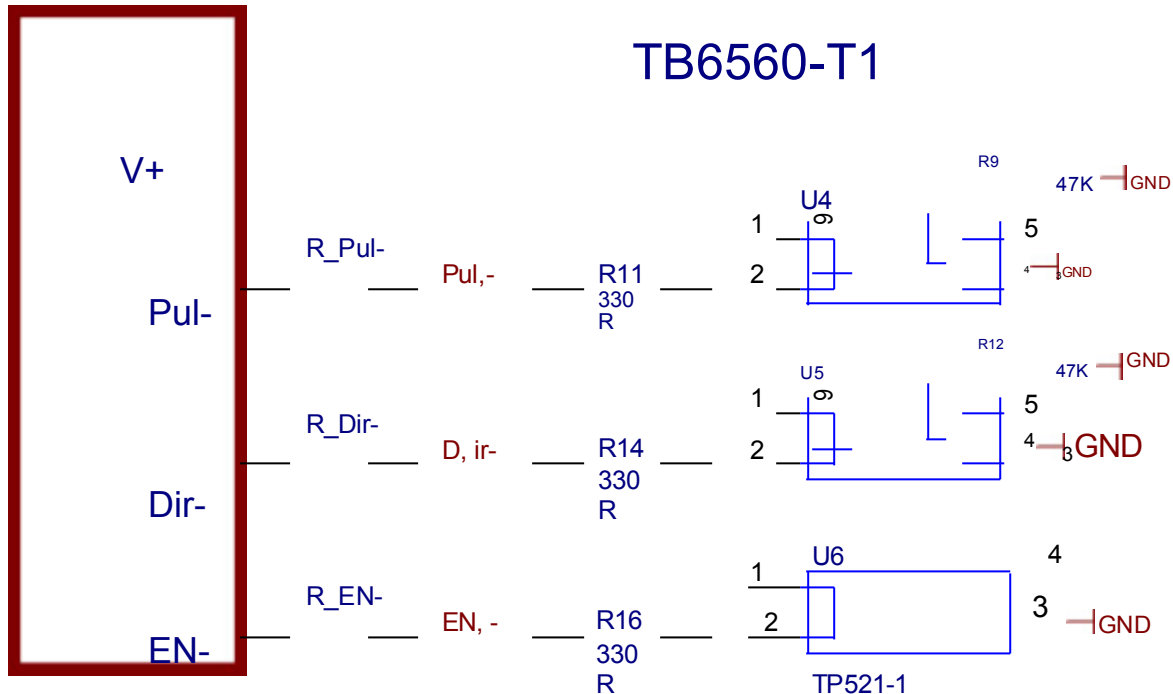
A+
A-
B+
B-

+ 24
GND

SW1,SW2,SW3:
working current
setting

S1,S2: Current-lock
Setting
S3,S4: Excitation Setting
S5,S6: Decay Setting

Wiring Way:



= 5V $R_{Pul-} = R_{Dir-} = R_{EN-} = 0$
 = 12V $R_{Pul-} = R_{Dir-} = R_{EN-} = 1K$
 = 24V $R_{Pul-} = R_{Dir-} = R_{EN-} = 2.7K$

Controller interface voltage=5V, no resistance;

Controller interface voltage=12V, series connect a 1K resistance;

Controller interface voltage=24V, series connect a 2.7K resistance Ps:

EN- inputs high level or being hanged, optocoupler U6 light off, step motor=working

EN- inputs low level, optocoupler U6 light on, step motor= not working

Working Current Setting

(Only can be adjustable when no current is passed through motor)

Current Setting							
I(A)	0.5	1	1.5	1.8	2	2.5	3
SW1	0	0	0	1	1	1	1
SW2	1	0	1	0	1	0	1
SW3	0	1	1	0	0	1	1
Resistance eΩ	1	0.51	0.34	0.33	0.25	0.2	0.167

Excitation Setting:

Excitation Mode Setting				
SW4	1	2	8	16
S3/M2	1	1	0	0
S4/M1	1	0	0	1

Decay Setting:

Decay Mode Setting

SW4	0%	25%	50%	100%
S 5/DY2	1	1	0	0
S6/DY1	1	0	1	0



Users can lower the noises and promote the stability by decay mode setting.

Semi-current Lock Torque Setting:

Semi-current Torque Setting				
SW4	20%	50%	75%	100%
S 1/TQ2	0	0	1	1
S2/TQ1	0	1	0	1