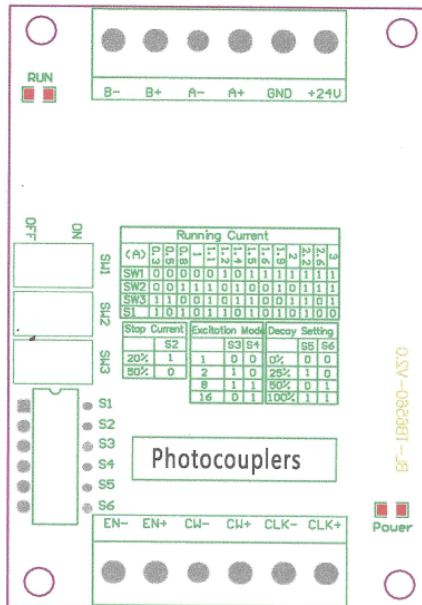# Tb6560 stepping motor driver V20

Warning:

1、Check the connection twice! The Tb6560 chipset can be damaged if the motor or the power supply are not connected properly.
2、Dont apply a motor that its rated current is more than 3A to this driver.
3、Do not set the current more than the motor rated current!

Wiring Terminal symbol	Description
+24V，GND	Power positive and negative
A+，A-	Motor phase A
B+，B-	Motor phase B
CLK+，CLK-	Pulse positive and negative
CW+，CW-	Direction positive and negative
EN+，EN-	Enable positive and negative

Note：

1、6 input terminals，can be connected as common anode or cathode。
2、The normal input voltage is **5V**，if it is more than 5V, than a series resistor is needed. this resistance is 1K case 12V and 2.4K case 24V.
3、when pulse is applied to **CLK**, the stepping motor will rotate, and stop when there is none, and the motor driver will change its current to the half current mode as setting to hold the motor still.
4、Motor rotate clockwise when **CW** is low level and counterclockwise when **CW** is high level.
5、Motor is enable when **EN** is low level and disable when EN is high leve.

\Running Current														
(A)	0.3	0.5	0.8	1	1.1	1.2	1.4	1.5	1.6	1.9	2	2.2	2.6	3
SW1	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON
SW2	OFF	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	ON
SW3	ON	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	ON
S1	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF

Stop Current	
	S2
20%	ON
50%	OFF

Excitation Mode		
Step	S3	S4
whole	OFF	OFF
half	ON	OFF
1/8	ON	ON
1/16	OFF	ON

Decay Setting		
	S5	S6
0%	OFF	OFF
25%	ON	OFF
50%	OFF	ON
100%	ON	ON