

3.5A BIPOLAR STEPPER MOTOR DRIVER

Supply:- 30V DC Maximum (more than 30V will damage the IC)

Current:- 3.5A Maximum

Current Settings:- 20%, 50%, 75%, 100% via DIP switch

Decay settings:- 0%, 25%, 50%, 100%

Micro Stepping:- Full step, 1/2 Step, 1/8 Step, 1/16 Step

Step pulse width:- 10uS minimum

LED 1 Power indicator

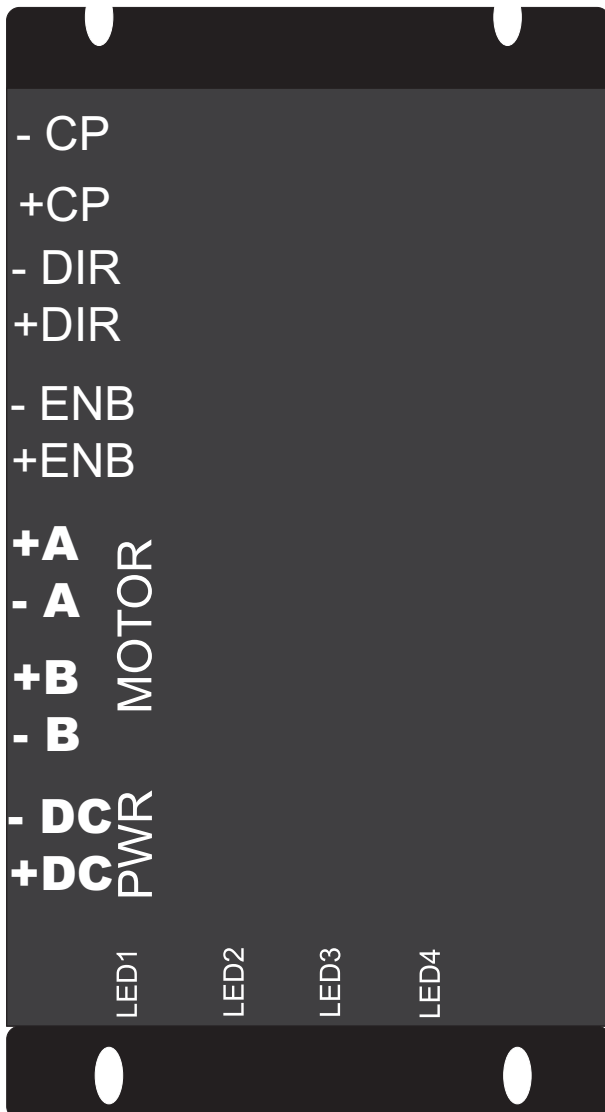
LED2 Initial state indicator

LED3 Thermal shutdown

LED4 Step pulse indicator

Input is optically isolated will required TTL voltage level triggers the input

Kindly read Data sheet of TB6560AHQ before use the Stepper driver, kindly make sure all the connections are proper before applying supply to driver.



SW1	SW2	CURRENT RATIO
OFF	OFF	100%
OFF	ON	75%
ON	OFF	50%
ON	ON	20%

SW6	SW5	CURRENT DECAY
OFF	OFF	NORMAL 0%
OFF	ON	25% DECAY
ON	OFF	50% DECAY
ON	ON	100% DECAY

SW3	SW4	MODE
OFF	OFF	FULL STEP
OFF	ON	1/2 STEP
ON	ON	1/8 STEP
ON	OFF	1/16 STEP

When SW1 is on automatic 50% current reduction function will not work

- CP	SW1	SW2	CURRENT RATIO
+CP	OFF	OFF	100%
- DIR	OFF	ON	75%
+DIR	ON	OFF	50%
- ENB	ON	ON	20%
+ENB			
+A	SW6	SW5	CURRENT DECAY
-A	OFF	OFF	NORMAL 0%
+B	OFF	ON	25% DECAY
-B	ON	OFF	50% DECAY
	ON	ON	100% DECAY
	SW3	SW4	MODE
	OFF	OFF	FULL STEP
	ON	OFF	1/2 STEP
	ON	ON	1/8 STEP
	OFF	ON	1/16 STEP
- DC			
+DC			
	PWR	STDW	INITIAL STATE
			STEP PULSE

