



# Far East Noble Sdn Bhd (371923-T)

(Formerly known as Active Electronics Link)

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## Introduction

The H-Bridge DC Motor Driver is designed to allow TTL output to control the speed and direction of a DC Motor.

## Specification

Input Voltage: 12 VDC

Rated Motor Voltage: 4V, 6V and 9V

## Application Note

- 1) Connect Motor Pin to DC Motor. (Pin 1 & 2)
- 2) Connect Pin 4 to Ground and Pin 3 to 12 VDC.
- 3) Connect Pin 5 through 8 to any microcontroller.

### Pin Assignment

Pin1 – Motor Pin (+)

Pin2 – Motor Pin (-)

Pin3 – 12 VDC

Pin4 – GND

Pin5 – Speed Control 1

Pin6 – Speed Control 2

Pin7 – Motor Enable

Pin8 – Motor Direction



The following tables show the response with respect to LOW/HIGH output from the microcontroller.

Direction Pin (Pin8)	Voltage across Motor
Logic LOW 0	Reversed
Logic HIGH 1	Forward

Enable/Disable (Pin7)	H-Bridge Driver
Logic LOW 0	OFF
Logic HIGH 1	ON

Speed Ctrl 1 (Pin5)	Speed Ctrl 2 (Pin6)	Motor Speed	Motor Voltage +/-5%
HIGH	HIGH	Slow	~ 4 V
LOW	HIGH	Medium	~ 6 V
HIGH	LOW	Fast	~ 9 V
LOW	LOW	Fast	~ 9 V