

Product Description

BTS7960B H-bridge 43A high-power motor driver Module Overview:

This driver uses chips BTS7960 composed of high-power drive full H-bridge driver module with thermal over-current protection. Double BTS7960 H-bridge driver circuit, with a strong drive and braking, effectively isolating the microcontroller and motor driver! High-current 43A

Features:

Double BTS7960 large current (43 A) H bridge driver;
5V isolate with MCU, and effectively protect MCU;
5V power indicator on board;
voltage indication of motor driver output end;
can solder heat sink;

PIN Definition:

1. RPWM: Right Turn PWM
2. LPWM: Left Turn PWM
3. R_EN: Right Turn Enable (High Active)
4. L_EN: Left Turn Enable (High Active)
5. R_IS: Right Turn Current Warning (May Leave Floating)
6. L_IS: Left Turn Current Warning (May Leave Floating)
7. VCC: (5V)
8. GND

Connections:

Method 1:

VCC: 5V from Microcontroller(MCU)

GND: GND from Microcontroller(MCU)

L_PWM: PWM or 5V from Microcontroller(MCU) for CCW(CW) Turns

R_PWM: PWM or 5V from Microcontroller(MCU) for CW(CCW) Turns

R_EN and L_EN: 5V from Microcontroller(MCU)

Method 2:

VCC: 5V from Microcontroller(MCU)

GND: GND from Microcontroller(MCU)

L_PWM: 5V from Microcontroller(MCU) for CCW(CW) Turns

R_PWM: 5V from Microcontroller(MCU) for CW(CCW) Turns

R_EN and L_EN: PWM from Microcontroller(MCU)

Just need four lines from MCU to driver module (GND. 5V. PWM1. PWM2);
isolation chip 5 V power supply (can share with MCU 5 V);
size: 4 * 5 * 1.2 cm;
Able to reverse the motor forward, two PWM input frequency up to 25kHz;
two heat flow passing through an error signal output;
isolated chip 5V power supply (can be shared with the MCU 5V), can also use the on-board 5V supply;
the supply voltage 5.5V to 27V;

