SimpleFOCMini DC brushless motor driver board



Produktkode: 823aa
Tilgjengelighet: 1
Weight: 0.00g
Custom Field 5 (Location): S176,S92

Pris: kr. 160,00

Kort beskrivelse
DC Motor Driver Board SVPWM/SPWM Control Algorithm for FOC Control Driver of SimpleFOCMini Brushless,for Arduino DRV8313 Driver

Beskrivelse

Features:

SimpleFOCMini DC brushless motor driver board adopts DRV8313 chip.
DRV8313 provides three independently controllable half H-bridge drivers, mainly used to drive brushless DC motors.
Only need to access the control signal and motor UVW three phase line, can control the motor rotation.
It supports SPWM and SPVMW control algorithms, but does not support the traditional 6-step commutation control algorithm.
It can be used by for Arduino simpleFOC to get started quickly.

Specifications:

1. Input supply voltage: 8~30V
2. Maximum output current per channel: 2.5A
3. On-board 3.3V LDO output, maximum current 10mA
4. Input control signal compatible with 3.3V and 5V.
5. Support SPWM and SPVMW control algorithm
6. Powerful open source library, fast to get started.
7. Board size: 25.8*21mm

Pin Description:

The left terminal for the microcontroller input signal, the right terminal access to the 3-phase brushless motor.

Control Way:

Here use for Arduino development board for control, according to the following diagram connected
Install the Slimple FOC library for Arduino IDE
Paste the following code in the IDE: Driver test code
Note that the pin definition should be changed to the connection pin of the simple foc mini driver board and for Arduino development board.
Click the upload button to compile and download the program to the for arduino development board.
Open the serial monitor of IDE, input T6.28, the brushless motor can be rotated.

Package Included:

DC brushless motor driver module x 1pc
5P double-row pins x 1pc
3P single pin x 1pc
2P single pin x 1pc

Kode - pinout

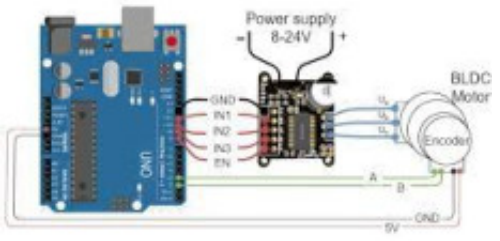
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Minishield

Pinout

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Power supply
8-24V
-
+
BLDC
Motor
GND
IN1
IN2
IN3
EN
A
B
GND
5V
Encoder

