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Stm32 as a three-phase inverter

Overview

What is stm32f3 microcontroller?

STM32F3 is a family of microcontrollers. Depending on requirement a chip can be selected for a particular application. Chips of same family mainly differ from each other in peripherals connected to it. Therefore these chips has different memory sizes, speeds, timers, number of particular alternative function pins and ect.

Does STM32F407 belong to a branch?

This commit does not belong to any branch on this repository, and may belong to a fork outside of the repository. Cannot retrieve latest commit at this time. Used functions of STM32F407: DMA,IIC,Multiple And Continuous ADC,etc.

How do I connect the LD4 motor to the STM32 FOC MC board?

Connect the motor on the connector J2 taking care of the motor phases sequence. Supply the board through AC mains connector J4. The LD4 LED (green) turns on. Develop the application using code examples provided or the STM32 FOC MC library. Please refer to the relevant user manual for details. Table 1. Hardware jumper settings Table 2. Connectors.

What is stgd6m65df2 Power Stage?

The power stage features STGD6M65DF2 IGBTs, but can be populated with any IGBT or power MOSFET in DPAK or power FLAT 8x8 HV package. The board has a single-shunt sensing topology, and both sensored/sensorless FOC and 6-step control algorithms can be implemented.

Stm32 as a three-phase inverter

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