

STM8/128-MCKIT

STM8/128-MCKIT motor control starter kit

Data brief

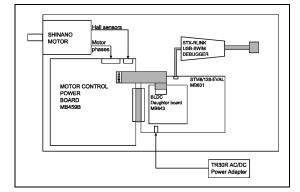
Features

- Motor drive based on scalar control (BLDC or ACIM) for three-phase motors
- Position and/or speed measurement is implemented using Hall sensors or a tachometer.
- Sensorless control
- The inverter is driven using the PWM modulation technique.
- Acts as a plug-and play demo, out of the box, with the provided BLDC motor, in sensorless speed control mode
- Operates with an AC induction motor, after reprogramming the microcontroller, in open loop or in speed control mode

Description

The STM8/128-MCKIT starter kit is an integrated system designed to provide a complete, ready-touse motor control application developed around the STMicroelectronics STM8 microcontroller.

This starter kit is particularly suited to drive 3phase brushless motors (either AC induction or permanent magnet types) and demonstrates how effectively the STM8 microcontrollers can be used in real-world motor control applications.



However, the main advantage of the STM8/128-MCKIT is that you can use it to create your own applications and re-program the STM8 microcontroller. You can develop your own applications using the dedicated software libraries provided in the starter kit in conjunction with a third-party IDE and C compiler.

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For further information contact your local STMicroelectronics sales office.

1 Ordering information

Table 1. Device summary

Order code	Reference
STM8/128-MCKIT	STM8/128-MCKIT motor control starter kit

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2 Revision history

Table 2. Document revision history

Date	Revision	Changes
27-Oct-2010	1	Initial release.



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