

AVR Solutions

AVR 8- , 32 - bit

ARM- based

Wireless

8051

AT91CAP

8- and 32-bit low power, high performance MCU



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What's Changed

ATAVRMC300 Power Stage Controller Board

The ATAVRMC300 is a general - purpose power stage board able to drive brushless DC, brushed DC and stepper motors. The board is designed to be a flexible platform for developing motor control applications.The ATAVRMC300 works in conjunction with ATAVRMC3xx processor boards. Bundle versions with both ATAVRMC300 power stage and processor boards also exist.



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Documents



ATAVRMC300 Bill of Material & Schematics(Bill of Materials, updated 8/08)



AVR1014: MC303 Hardware User Guide(Application Note, 17 pages, revision A, updated 3/10)
The MC303 is the device board for ATxmega128A1 AVR ® microcontroller which can be connected to the general - purpose power stage board MC300 for driving brushless DC, brushed DC and stepper motors.



AVR1607: Brushless DC Motor (BLDC) Control in Sensor mode using ATxmega128A1 and ATAVRMC323(Application Note, 18 pages, revision A, updated 8/10)
This application note describes how to implement a control of Brushless DC motor (BLDC) in sensor mode using the ATxmega128A1, Atmel ® AVR® microcontroller and the ATAVRMC323 development kit.



AVR172: Sensorless Commutation of Brushless DC Motor (BLDC) using ATmega32M1 and ATAVRMC320(Application Note, 13 pages, revision B, updated 5/10)
This application note describes how to implement a sensorless commutation of BLDC motors with the ATAVRMC320 development kit and the ATmega32M1.



AVR194: Brushless DC Motor Control using ATmega32M1(Application Note, 16 pages, revision A, updated 4/08)
This application note describes how to implement a brushless DC motor control in sensor mode using the ATmega32M1 AVR microcontroller.

AVR32919: AT32UC3C - EK User Guide(User Guide, 43 pages, revision A, updated 11/10)
The Atmel AT32UC3C - EK is an evaluation kit and development system for the Atmel AVR AT32UC3C0512C microcontroller.

AVR430: ATAVRMC300 Hardware User Guide(Application Note, 13 pages, revision C, updated 10/08)
The ATAVRMC300 is a general - purpose power stage board able to drive brushless DC, brushed DC and stepper motors. The board is designed to be a flexible platform for developing motor control applications.

AVR469: ATAVRMC301 Hardware User Guide(Application Note, 21 pages, revision A, updated 4/09)
The ATAVRMC301 is the device board for ATtiny861 AVR microcontroller which can be connected to the general - purpose power stage board ATAVRMC300 for driving brushless DC, brushed DC and stepper motors.

AVR470: ATAVRMC310 Hardware User Guide(Application Note, 20 pages, revision A, updated 7/08)
The ATAVRMC310 is the device board for ATmega32M1 AVR microcontroller. Connected to the power stage board ATAVRMC300, it enables to drive brushless DC, brushed DC and stepper motors.



AVR496: Brushless DC Motor Control using ATtiny861(Application Note, 13 pages, revision A, updated 7/09)
This application note describes how to implement a brushless DC motor control in sensor mode using the ATtiny861 AVR microcontroller.



AVR498: Sensorless control of BLDC Motors using ATtiny861(Application Note, 20 pages, revision A, updated 7/09)
This application note describes how to implement a brushless DC motor control in sensorless mode using the ATtiny861 AVR microcontroller.

AVR601: Atmel Modular Evaluation Kits for Motor Control Applications(Application Note, 9 pages, revision A, updated 10/08)
This document describes the association between the ATAVRMC300, ATAVRMC301, ATAVRMC303, and ATAVRMC310 processor boards.

AVR928: Scalar sensorless methods to drive BLDC motors(Application Note, 24 pages, revision A, updated 5/10)
This application note describes how to implement a sensorless commutation on BLDC motors and provides all information that is relevant for an implementation of sensorless commutation using the Atmel devices and Starter - kits.

Related Applications

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Related Devices

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