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New Driver-IC family for Automotive High-temperature Applications

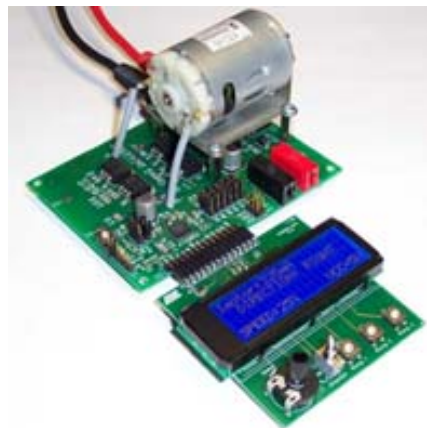
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ATA6823-DK**Description:**

ATA6823 H bridge DC Motor Control. The development kit contains the main board with the H-bridge Gate Driver ATA6823, external FETs and a DC motor. The controller boards is populated with a microcontroller ATmega88 and a LCD display.

**Documents:**

ATA6823 (Datasheet - Complete, 28 pages, revision G, updated 1/09)
H-Bridge Gate-Driver with LIN Transceiver 2.0, Window Watchdog and 3.3/5V Voltage Regulator



ATA6823 H-bridge Gate Driver with LIN Transceiver, Watchdog, and 5V Regulator (Application Note, 15 pages, revision A, updated 1/07)
ATA6823 is designed specifically for automotive applications that require high-power motors. It provides four high-current gate driver outputs capable of driving a wide range of n-channel power MOSFETs in a full-bridge configuration. A fully integrated charge pump with external capacitors provides the gate voltage for the high-side output stages.



ATA6823 Proposal for Window Lifter - Short Description (Application Note, 3 pages, revision A, updated 4/06)
In order to facilitate the use of Atmel's versatile H-bridge motor driver ATA6823, a schematic for a typical application has been developed. Using the ATA6823 allows the usage of a low-drop reverse-voltage protection module because of ATA6823's internal charge pump. If sufficient, using only a reverse protection diode is also possible.



Automotive Solutions (Brochure, 16 pages, revision G, updated 2/09)



Automotive Solutions (Chinese Version) (Brochure, 16 pages, revision G, updated 2/09)

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