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Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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Sample Program Guideline

Analog input sampling and DC motor speed control
(V850/SA1TM, V850/SB1TM, V850/SB2TM)

This document describes the sample program that performs application-independent general-purpose control in the V850/SA1, V850/SB1, and V850/SB2.

This document consists of the following two sections.

-- Outline

-- Flow chart

*Sample codes can be downloaded from the Microcomputer web page.

<Related document>

V850/SA1 Application Note (Document number: U13851E)

Caution

This software is for reference only; NEC does not guarantee the operation. Therefore, evaluate it sufficiently beforehand with the set to be actually used.

V850/SA1, V850/SB1, and V850/SB2 are trademarks of NEC Corporation.

Analog input sampling and DC motor speed control

Outline

The A/D function reads variable resistance values. The read data is set to timer 2's compare register. Timer 2 is operated as a PWM output, so it is used to control the motor's speed.

Flow chart

