Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

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

April 1st, 2010 Renesas Electronics Corporation

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

Send any inquiries to http://www.renesas.com/inquiry.



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RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-R8C-A003A/E	Rev.	1.00
Title	R8C/3x Series, R8C/Lx Series Notes on the A/D Converter		Information Category	Technical Notification		
Applicable Product	See below	Lot No.	Reference Document			

1. Notes on the A/D Converter

1) Description

A/D conversion results may contain erroneous data due to possible variances in the internal power supply voltage during conversion. This is caused by the flash memory and A/D converter sharing the same power supply in the MCU.

2) Countermeasure

Take an average of more than one conversion result. (1)

Note:

1. Example of averaging procedure:

Perform A/D conversion on the analog input to the same pin four times sequentially. Discard the maximum and minimum values from the A/D conversion results and take the average of the two remaining values.

2. Applicable Products

R8C/35A Group, R8C/33A Group, R8C/32A Group,

R8C/L35A Group, R8C/L35B Group, R8C/L36A Group, R8C/L36B Group,

 $R8C/L38A\ Group,\ R8C/L38B\ Group,\ R8C/L3AA\ Group,\ R8C/L3AB\ Group$

