To our customers,

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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Renesas Technology Corp.

Product Category	MPU&MCU			Document No.	TN-H8*-A382A	Re	1.00
Title	Usage note at low power consumption mode in H8/300H Super Low Power Series and H8/300L Super Low Power Series			Information Category	Technical Notification		
Applicable Product	See below	Lot No.		Reference Document	See below		
		All lots					

We would like to inform you of usage notes in the contention between the module standby setting and the interrupt request in the following products.

1. Detailed technical Update

If, due to the timing with which a peripheral module issues interrupt requests, the module in question is set to module standby mode before an interrupt is processed, the module will stop with the interrupt request still pending. In this situation, interrupt processing will be repeated indefinitely unless interrupts are prohibited.

It is therefore necessary to ensure that no interrupts are generated when a module is set to module standby mode. The surest way to do this is to specify the module standby mode setting only when interrupts are prohibited (interrupts prohibited using the interrupt enable register or interrupts masked using bit CCR-I).

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2. Applicable products / Reference documents

Series	Group	Reference document		
H8/300H Super Low Power Series	H8/38076R	H8/38076R Group Hardware Manual	REJ09B0093-0400	Rev.4.00
	H8/38086R	H8/38086R Group Hardware Manual	REJ09B0182-0300	Rev.3.00
	H8/38099	H8/38099 Group Hardware Manual	REJ09B0309-0200	Rev.2.00
	H8/38602R	H8/38602R Group Hardware Manual	REJ09B0152-0300	Rev.3.00
	H8/38776	H8/38776 Group Hardware Manual	REJ09B0348-0100	Rev.1.00
	H8/38799	H8/38799 Group Hardware Manual	REJ09B0380-0100	Rev.1.00
	H8/38704, H8/38702S	H8/38704 Group H8/38702S Group Hardware Manual	REJ09B0430-0100	Rev.1.00
	H8/38524	H8/38524 Group Hardware Manual	REJ09B0409-0100	Rev.1.00
H8/300L Super Low Power Series	H8/3802,H8/38004, H8/38002S, H8/38104	H8/3802, H8/38004, H8/38002S, H8/38104 Group Hardware Manual	REJ09B0024-0600	Rev. 6.00
	H8/38024,H8/38024S, H8/38024R, H8/38124	H8/38024, H8/38024S, H8/38024R, H8/38124 Group Hardware Manual	REJ09B0042-0700	Rev. 7.00

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