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)

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RENESAS

RENESAS TECHNICAL UPDATE

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Product Category	MPU&MCU		Document No.	TN-H8*-A422A/E	Rev.	1.00
Title	Usage note in Software standby mode		Information Category	Technical Notification		
Applicable Product	Stated below	Lot No.	Reference Document	Stated below		
		All lots				

Thank you for your consistent patronage of Renesas semiconductor products.

We would like to inform you of the usage note in using Software standby mode at Frequency Multiplication Factor by 4

on H8S/2628Group and H8S/2604Group.

Please take this information into consideration when using these products.

[Phenomena]

If you examine through (1) to (2) , this device would not clean from software standby mode.

(1) Set STC1, clear STC0 in LPWRCR. (Frequency Multiplication Factor is x4)

(2) Transit to software standby mode as condition(1), and clean from software standby mode.

[Countermeasure]

(1) Transition software standby mode
Don't Set STC1 and clear STC0 in LPWRCR, before transit software standby mode.

After setting LPWRCR, to examine more than one operation (example NOP)

or set SBYCR after setting LPWRCR.

(2) After cleaning software standby mode

After cleaning software standby mode, Set STC1 and clear STC0 in LPWRCR.

[Applicable Products]

H8S/2628 Group hardware manual (Rev3.00 2005.Oct REJ09B0155-0300)

H8S/2604 Group hardware manual (Rev1.00 2008.Jan REJ09B0426-0100)