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.

RENESAS

RENESAS TECHNICAL UPDATE

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Product Category	MPU&MCU		Document No.	TN-SH7-A569A/E	Rev.	1.00
Title	Notice for using Burst MPX-I/O interface		Information Category	Technical Notification		
Applicable Product	R5S72060W200FPV R5E72060W200FPV	Lot No.	Reference Document	SH7206 Group Hardware Manual (Mar.18.05 REJ09B0191-0100 Rev.1.00)		
		ALL				

There is a notice for the contention between SDRAM auto-refreshing and read/write access to Burst MPX-I/O interface.

1. Condition

When a contention between SDRAM auto-refreshing and read/write access to Burst MPX-I/O occurs, both CS spaces of SDRAM and Burst MPX-I/O are asserted, then the followings may happen.

    (1)   During a contention with read access to Burst MPX-I/O

       The read data during the contention with SDRAM auto-refreshing may be wrong.

    (2)   During a contention with write access to Burst MPX-I/O

       The write data during the contention with SDRAM auto-refreshing may be wrong

       and the data may be written to wrong address. However, SDRAM auto-refreshing is performed correctly.

2. Notice

For an avoidance of a contention between SDRAM auto-refreshing and Burst MPX-I/O access, do not use both SDRAM and Burst MPX-I/O interface simultaneously.

Each can be used independently, and SDRAM can be used with other external devices other than Burst MPX-I/O.