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

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Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (http://www.renesas.com)
Send any inquiries to http://www.renesas.com/inquiry.
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.