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.

Date: April 21, 2008

RENESAS TECHNICAL UPDATE

Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan
Renesas Technology Corp.

Product Category	MPU&MCU		Document No.	TN-SH7-A649A/E	Rev.	1.00
Title	SH7144 Series: Caution on use of the DTC		Information Category	Technical Notification		
Applicable Product	All products of SH7144 and SH7145	Lot No. All lots	Reference Document	SH7144 Group, SH7145 Group Hardware Manual Rev. 4.0 (REJ09B0108-0400)		

Thank you for your consistent patronage of Renesas semiconductor products.

We would like to inform you of the addition of a caution on use of the DTC to the SH7144 Group hardware manuals. Please take this information into consideration when using these products.

1. Description added

When using the DTC of the SH7144 Series, if all of the following three conditions are satisfied, an extra, unintended DTC transfer may be performed.

(1) The clock ratio is system clock : peripheral clock (Pϕ) = 2:1.

(2) Memory-to-memory transfer is specified.

(3) The CMT, MTU or MMT is specified as the activating source.

2. Memory-to-memory transfer using DTC

To avoid the unintended DTC transfer described above, ensure that any of the following three conditions is satisfied when the DTC is used for memory-to-memory transfer.

(1) The clock ratio has any value other than system clock : peripheral clock (Pϕ) = 2:1.

(2) An activating source other than the CMT, MTU and MMT is specified.

(3) Data transfer is performed by CPU instructions instead of by using the DTC.