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 TECHNICAL UPDATE

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Product Category	User Development Environment		Document No.	TN-OS*-A087A/E	Rev.	1.0
Title	HI7000/4 V.2 The restriction about register bank in SH-2A and Sh2A-FPU		Information Category	Technical Notification		
Applicable Product	(show below)	Lot No.	Reference Document	HI7000/4 series User's Manual (REJ10B0060)		
		All				

There is the restriction which is described in following document when register bank is used.

If the problem may occur, please apply the workaround.

Attached : HI7000-4_LIMIT_050331_E

"A Note on Using the HI7000/4 (Mar.31.2005)"

We plan to fix or improve these in the next version (V.2.00 Release 02). The V.2.00 Release 02 will be released at the middle of April 2005.

Parts number	Version
R0R40700TRW021, R0R40700TRW025, R0R40700TRW02A, R0R40700TRW02K, R0R40700TRW02U, R0R40700TRW02Z, R0R40700TXW021, R0R40700TXW025, R0R40700TXW02A, R0R40700TXW02K, R0R40700TXW02U, R0R40700TXW02Z	V.2.00 Release 00, V.2.00 Release 01

A Note on Using the HI7000/4 (Mar.31.2005)
- About register-bank -

1.   Description

When register-bank is used, the system might become abnormal operation after an interrupt handler exits.

2.   Versions Concerned

V.2.00 Release 00, V.2.00 Release 01

3.   Conditions

This problem occurs if the following conditions are all satisfied:

(1) The CPU core of the microcomputer that you use is SH -2A or SH2A -FPU.

(2) The [CFG_REGBANK] is selected in the configurator.

(3) The task -exception processing function (def_tex service call) is not selected in the configurator.

4.   Workaround

Select def_tex service call in the configurator([Service call selection] view).

5.   Schedule of Fixing the Problem

We plan to fix this problem in V.2.00 Release 02.