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

RENESAS

HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	30 August 2001	No.	TN-SH7-349A/E

THEME	About initial value of bypass register.

CLASSIFICATION	☐ Spec change ■ Limitation on Use ☐ Supplement of Documents

PRODUCT NAME	HD6417750 HD6417750S HD6417751	Lot	Lot#:All

REFERENCE DOCUMENTS	SH7750 series Hardware Manual (Rev.1-4) SH7751 Hardware Manual (Rev.1-2)	Rev.	EffectiveDate Eternity

When using bypass mode of SH-4 H-UDI function, pay attention to the following item:

1. Contents
    In IEEE Std 1149.1, there is prescription on the bypass mode as follows.
    When the TAP controller transfers to Capture-DR State, the bypass register is set to logic 0.

    On the other hand, in SH-4,
    When the TAP controller transfers to Capture-DR State, the bypass register has an
    undefined value.

2. Workaround
    Do not transfer the data expecting the fact that the bypass register is set to logic 0 when the
    TAP controller transfers to Capture-DR State on bypass mode.