

To our customers,

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## Old Company Name in Catalogs and Other Documents

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On April 1<sup>st</sup>, 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 1<sup>st</sup>, 2010  
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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# RENESAS TECHNICAL UPDATE

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Renesas Technology Corp.

Product Category	MPU&MCU	Document No.	TN-SH7-A577A/E	Rev.	1.00
Title	SH7619, Inhibition of PHY Software Reset		Information Category	Technical Notification	
Applicable Product	R4S76190B125BGV,R4S76190N125BGV, R4S76190W125BGV,R4S76190D125BGV, R4S76190B125BG,R4S76190N125BG, R4S76190W125BG,R4S76190D125BG	Lot No.	Reference Document	SH-2 SH7619 Group Hardware Manual (REJ09B0237-0300 Rev.3.00)	
		All lots			

We would like to inform valued customers of the restriction in using SH7619 Group as follows.

-Note-

The software reset of the on-chip PHY would NOT work correctly in the some cases. (The description of the function would be deleted in the next revision of the hardware manual.)

Please do not use it, alternatively utilize the module reset by PHYIFCR of the PHY-IF module.

NOTE:

1) "Software reset" mentioned above stands for the reset by bit15 of register0(=Basic Control).

Ref. "SH-2 SH7619 Group Hardware Manual Rev.3.00"

- "Section 22 Ethernet Physical Layer Transceiver (PHY)"
- "22.4.2 SMI Register Mapping"

2) "Module reset" mentioned above stands for the reset by bit14 of the PHYIFCR(=PHY-IF control register).

Ref. "SH-2 SH7619 Group Hardware Manual Rev.3.00"

- "Section 23 PHY Interface (PHY-IF)"
- "22.4.2 SMI Register Mapping"
- "23.2 Register Descriptions"

-End of Report-