

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>.

RENESAS TECHNICAL UPDATE

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Product Category	MPU&MCU		Document No.	TN-SH7-A655A/E	Rev.	1.00
Title	BACK output error in canceling software standby mode		Information Category	Technical Notification		
Applicable Product	R5S72630P200FP R5S72631P200FP R5S72632P200FP R5S72633P200FP R5S72030W200FP	Lot No.	Reference Document	<ul style="list-style-type: none"> • SH7263 Group Hardware Manual (REJ09B0290-0200) • SH7203 Group Hardware Manual (REJ09B0313-0200) 		
		ALL				

We would like to inform you of the following error occurrence in the above-mentioned applicable products.

1. Error occurrence condition

- a) Software standby mode is canceled after the LSI switches to software standby mode in the case that :
 - b) BREQ input (PC11MD[1:0] bits are 10)
 - c) BACK output (PC10MD[1:0] bits are 10) are selected in Port C Control Register L3 (PCCRL3) of Pin Function Controller (PFC).

2. Error phenomenon

BACK pin outputs low for 1 bus clock ($B\phi$) cycle after canceling software standby mode even though BREQ input is High.

3. Workaround

Please set BLOCK bit in Common Control Register (CMNCR) of Bus State Controller (BSC) to 1 before transition to software standby mode and clear it to 0 after canceling software standby mode.