

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	MPU&MCU	Document No.	TN-16C-A142A/E	Rev.	1.00
Title	R8C/16, 17 Groups Error Correction of I2C bus Interface STOP Bit Set Condition	Information Category	Technical Notification		
Applicable Product	R8C/16, 17 Groups	Lot No.	Reference Document		
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In the I²C bus interface included in the above applicable products, some errors on the function description of the STOP bit in the IIC bus status register (ICSR) have been found.

[Before]

Bit Symbol	Bit Name	Function	RW
STOP	Stop Condition Detection Flag	When the stop condition is detected after the frame is transferred, this flag is set to "1".	RW

[After]

Bit Symbol	Bit Name	Function	RW
STOP	Stop Condition Detection Flag	In the following cases, this flag is set to "1": <ul style="list-style-type: none"> • When the stop condition is detected after the frame is transferred in master mode. • When the stop condition is detected after the address set in the SAR register matches with the 1st-byte slave address after detecting the start condition in slave mode. • When the stop condition is detected after detecting the general call address in slave mode. 	RW