

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

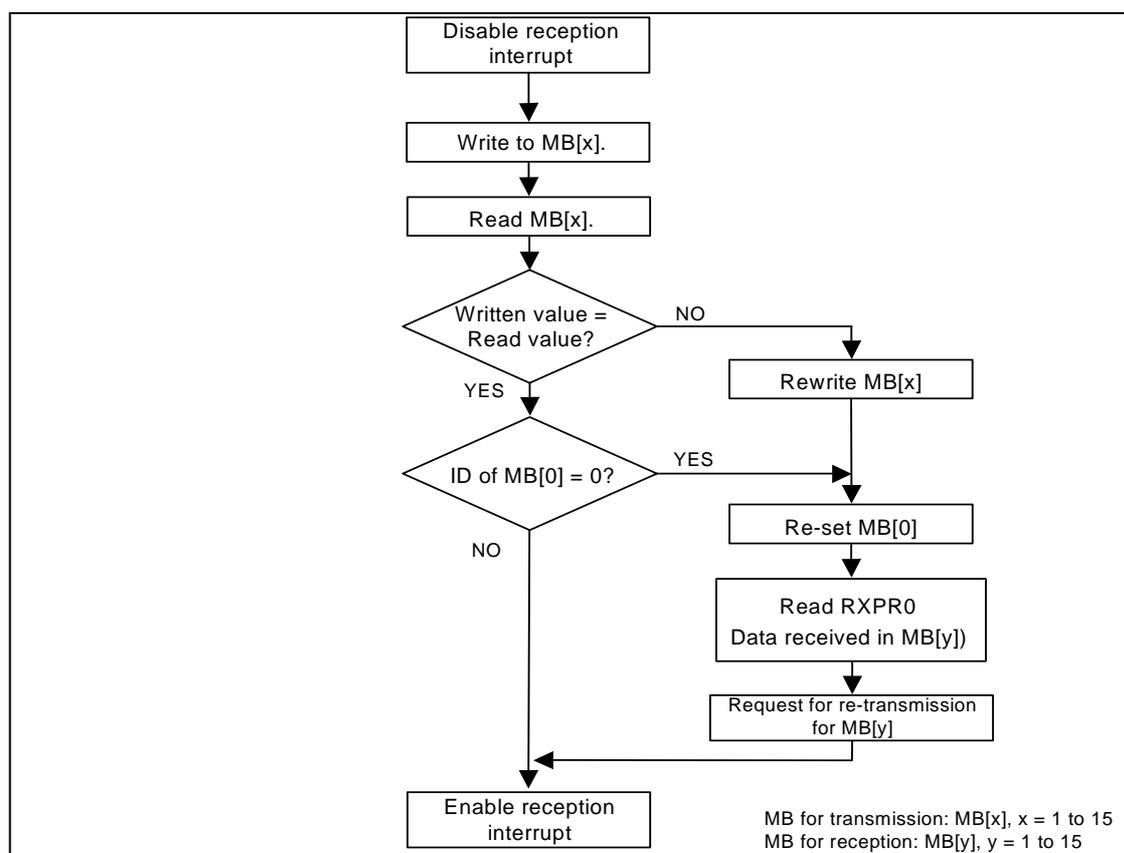
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Renesas Technology Corp.

Product Category	MPU / MCU		Document No.	TN-SH7-A758A/E	Rev.	1.00
Title	Notes on usage of the RCAN-ET module		Information Category	Technical Notification		
Applicable Product	SH7286 Group	Lot No.	Reference Document	SH7280 Group Hardware Manual Rev. 1.00 (REJ09B0393-0100)		
		All lots				

Please be aware of the following notes on usage of the RCAN-ET module for the SH7286 Group.

## 1. Writing to the Mailbox on Reception of CAN Data

When writing to a mailbox is attempted upon completion of the 7<sup>th</sup> bit of the EOF for received data, there is a possibility that this will result in clearing of the control 0 register of mailbox 0 and data not being written to the given mailbox, or in the written value not being reflected correctly in the given mailbox. To avoid these phenomena, follow the procedure shown in figure 1 when writing to a mailbox upon reception of CAN data.



**Figure 1 Procedure for Writing Mailbox upon Reception of CAN Data**

2. When Reading a Mailbox upon Reception of CAN Data

When reading of a mailbox is attempted upon completion of the 7<sup>th</sup> bit of the EOF for received data, there is a possibility of the value read out being incorrect. To remove this possibility, follow the procedure shown in figure 2 when reading a mailbox upon reception of CAN data.

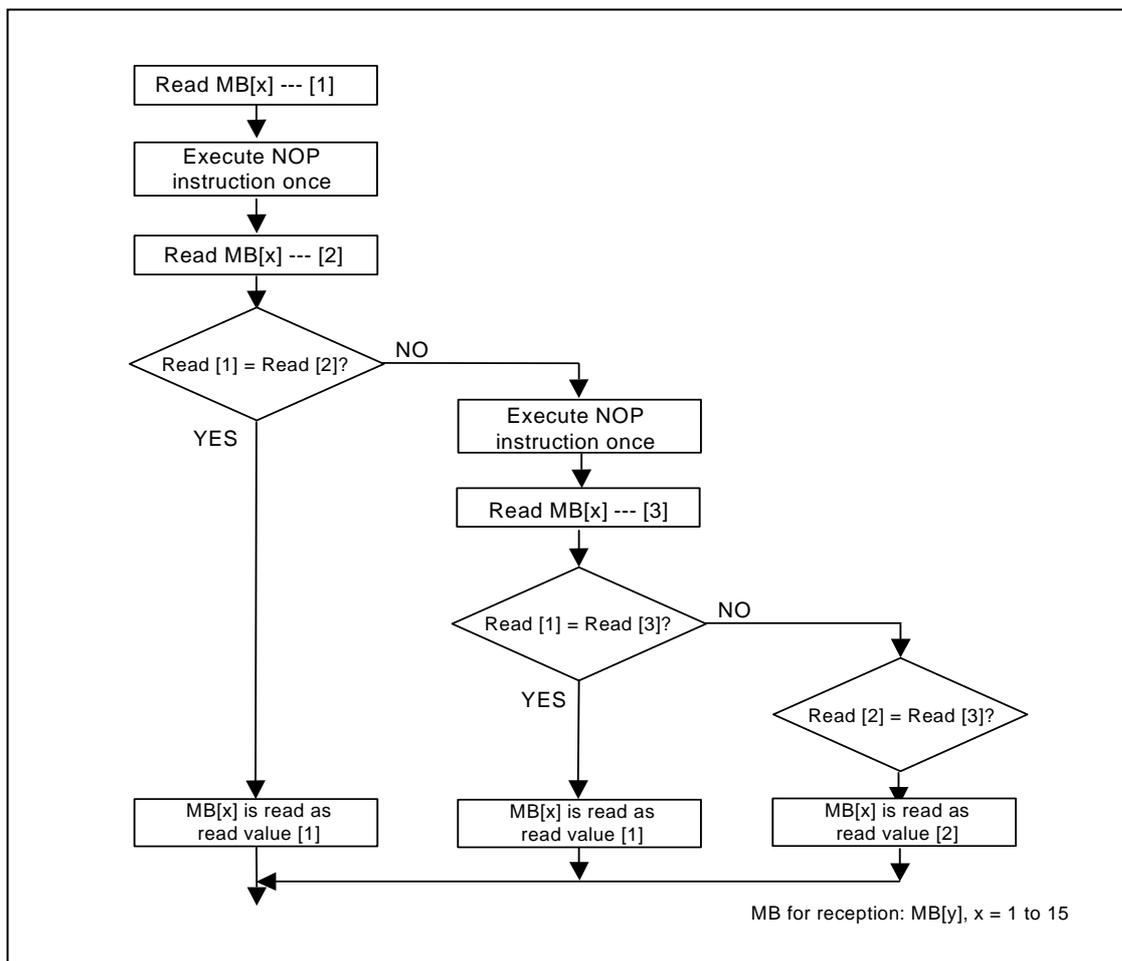


Figure 2 Procedure for Reading Mailbox upon Reception of CAN Data

Please take these procedures into consideration when developing software programs.