

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>

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Renesas Electronics Corporation

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Send any inquiries to <http://www.renesas.com/inquiry>.

RENEASAS TECHNICAL UPD

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Product Category	User Development Environment		Document No.	TN-EML-120A/EA	Rev.	1.0
Title	Limitation on Handling the [IO] Window Due to a Problem with the Device		Information Category	Usage Limitation		
Applicable Product	H8S/2218F E10A Emulator (HS2218KCM01H or HS2218KCI01H) E10A-USB Emulator (HS0005KCU01H or HS0005KCU02H)	Lot No.	Reference Document	<ul style="list-style-type: none"> • Technical update TN-H8*-282A/EA • H8S Family E10A Emulator User's Manual (REJ10B0017-0100H Rev.1.00) • H8S Family E10A-USB Emulator User's Manual (REJ10B0111-0200H Rev.2.00) • H8S Family E10A Emulator Additional Document for User's Manual (REJ10B0018-0100H Rev.1.00) • H8S Family E10A-USB Emulator Additional Document for User's Manual (REJ10B0114-0100H Rev.1.00) 		
		CD-R V1.0.00 and later versions				

The limitation stated in the technical update TN-H8*-282A/EA will be applied if you use the E10A or E10A-USB emulator with the H8S/2218F and H8S/2212F group (hereinafter referred to as the H8S/2218F including the USB-boot versions). Due to this limitation, accessing the range of H'FFFF40 to H'FFFF5F, which is used as built-in RTC registers, etc., disables reading of the pin states of port D. In the E10A or E10A-USB emulator, a read operation occurs when the [IO] window is open as well as in execution of the program and thus the pin states of port D cannot be read.

[Problem]

If any of the following modules is selected in the [IO] window, the pin states of port D cannot be read.

- RTC (realtime clock)
- USB
- Low-power control

[Solution]

If you wish to open the [IO] window during debugging of the H8S/2218F and use port D to read its pin states, delete the extended module stop register (EXMDLSTP) in the [IO] window. For how to delete the register, see appendix D, I/O File Format, in the E10A or E10A-USB emulator user's manual.