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 UPD

Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan
Renesas Technology Corp.

Product Category	User Development Environment		Document No.	TN-EML-A123A/E	Rev.	1.0
Title	Limitation on operation of the watchdog timer (WDT) due to a problem with the library for programming and erasing data in the flash memory		Information Category	Technical Notification		
Applicable Product	E10A-USB Emulator (V1.2.00 to V.1.08. Release 00) (HS0005KCU01H or HS0005KCU02H) E10T-USB Emulator (V.1.00. Release 01) (HS0005TCU01H)	Lot No. See the applicable products	Reference Document	• H8S/2218 Group, H8S/2212 Group Hardware Manual (REJ09B0074-0300O Rev.3.00) • H8S/2378 Group, H8S/2378R Group Hardware Manual (REJ09B0109-0400O Rev.4.00) • H8S/2339 Series, H8S/2338 Series, H8S/2329 Series, H8S/2328 Series, H8S/2319 Series, H8S/2318 Series Hardware Manual (ADE-602-171A Rev.2.0) • H8/3048B Group Hardware Manual (ADE-602-292A Rev.2.0) • SH-2 SH7047 Group Hardware Manual (REJ09B0020-0200Z Rev.2.00) • SH7144 Group, SH7145 Group Hardware Manual (REJ09B0108-0300Z Rev.3.00)		

If you use the E10A-USB or E10T-USB emulator, the limitation on usage of the devices listed below will be applied.

[Devices that apply]

H8S/2218F, H8S/2212F, H8S/2319EF, H8S/2329EF, H8S/2339EF, H8S/2367F, H8S/2377F, H8/3048F-ONE (H8/3048BF), SH7047F, SH7144F, and SH7145F

[Problem]

While the E10A-USB or E10T-USB emulator is connected, the program execution or stepping that causes programming to the flash memory will write an undefined value to register RSTCSR of the watchdog timer (WDT).

[How to prevent this problem]

While debugging the user program by using the WDT, note the followings:

• Execute [Step In] before running the user program by [Reset Go].

• If the above problem occurs, open the [IO] window and set the RSTCSR value again *.

• Use Break Condition or a forced break.

• Do not use Break point (software break).

* For how to write data to the RSTCSR, refer to the usage notes in the section of the WDT contained in the reference documents listed above.

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[Solution]

This problem will be corrected next time the E10A-USB or E10T-USB emulator is updated.

If you use any of the devices listed in the previous page, be sure to use a debugged device to check the final state of the system.