

To our customers,

---

## Old Company Name in Catalogs and Other Documents

---

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>)

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

# RENESAS TECHNICAL UPDATE

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

|                    |   |  |                      |   |      |     |
|--------------------|---|--|----------------------|---|------|-----|
| Product Category   | User Development Environment                              |  | Document No.         | TN-EML-A128A/E  | Rev. | 1.0 |
| Title              | Problem with the E10A-USB Emulator while Using the SH7290 |  | Information Category | Technical Notification  |      |     |
| Applicable Product | HS0005KCU01H<br>HS0005KCU02H                              | Lot No.  | Reference Document   | SuperH™ Family E10A-USB Emulator User's Manual (REJ10B0052-0300H Rev.3.00)<br>Supplementary Information on Using the SH7290 (REJ10B0053-0100H Rev.1.00) |      |     |
|                    |   | Software version V1.0.00 to 1.09<br>Release 00 |                      |   |      |     |

Please note the followings when you use the E10A-USB emulator selecting the SH7290 of the SH-Mobile device group.

#### [Problems]

- When the function of downloading to the external flash memory is used, an error may be reported so that the emulator will not operate normally.
- When any of the following operations is performed within a range where the difference between the start and end addresses of memory operation is H68 or larger, an error may be reported so that the emulator will not operate normally:
  - Operating the window  
[Memory] menu: Find, Copy, and Save (Opening the [Memory] window does not apply.)
  - Operating commands  
MEMORY\_DISPLAY, MEMORY\_MOVE, FILE\_SAVE, and FILE\_VERIFY

#### [Notes]

- Do not use the function of downloading to the external flash memory.
- To perform the memory operation mentioned above, specify the start and end addresses so that their difference will be smaller than H68 (this is H66 or H'64 when accessing in word or longword units, respectively) when accessing in byte units.
- To view the contents of memory, use the [Memory] window instead of the MEMORY\_DISPLAY command if the difference between the start and end addresses is H68 (this is H66 or H64 when accessing in word or longword units, respectively) or larger when accessing in byte units.

#### [Solution]

Please download the latest E10A-USB emulator software (V.1.10 Release 00) for which those problems have been corrected.

This software will be available on the following website from February 21, 2005:

[http://download.renesas.com/eng/mpumcu/upgrades/on\\_chip\\_debuggers/e10a\\_usb/shm.html](http://download.renesas.com/eng/mpumcu/upgrades/on_chip_debuggers/e10a_usb/shm.html)