RENESAS Tool News

A Note on Using the Emulator Software Products for the E8a and E8 Emulators
--With Debugging Systems Designed with a Member of the R8C/22 Group of MCUs--

Please take note of the following problem in using the emulator software products for the E8a and E8 on-chip debugging emulators:

- With debugging systems designed with a member of the R8C/22 group of MCUs

1. Products and Versions Concerned
  - E8a Emulator Software V.1.00 Release 00 and V.1.00 Release 00A
  - E8 Emulator Software V.2.08 Release 00 through V.2.10 Release 00

2. Description
If the R8C/22 group is selected in the Emulator Setting dialog box , which is opened at invoking the R8C emulator debugger included in any of the products concerned, the contents of memory of the SFR area used for CAN* (addresses 1300h to 147Fh) will be incorrectly displayed in the debugger.

*CAN is the acronym of Controller Area Network and is one of the network specifications for vehicle-mounted equipment. It has been proposed by Robert Bosch GmbH, Germany.

3. Conditions
This problem may occur if the following conditions are all satisfied:
(1) Either of the following emulator debuggers included in the product
   concerned is used:
   - The E8a R8C emulator debugger
   - The E8 R8C emulator debugger
(2) Any one of the following devices of the R8C/22 group is selected

in the Device drop-down list in the Emulator Setting dialog box of
the emulator debugger in (1).
   R5F21226, R5F21227, R5F21228, R5F2122A, and R5F2122C

4. Workaround
Select any one of the following devices of the R8C/23 group in the
Device drop-down list in 3.(2):
   R5F21236, R5F21237, R5F21238, R5F2123A, and R5F2123C

5. Schedule of Fixing the Problem
We plan to fix this problem in the next release of the products.