RENESAS Tool News

A Note on Using E8a Emulator Software

When you use E8a Emulator Software, take note of the following problem:

- With the size of internal RAM accessible by the E8a emulator

1. Product and Version Concerned

R8C E8a Emulator Debugger V.1.05.00

To check the version number of your emulator debugger, follow these steps:
(1) In the High-performance Embedded Workshop, open the Tools menu and select the Administration command to view the Tool Administration dialog box.
(2) Check the Versions column of "R8C E8a SYSTEM" in the Debugger Components folder, which is displayed in the Registered Components list view.

2. MCUs Involved

The following MCUs in the R8C/3x series are involved in this problem:
- R5F21346U and R5F21348U (R8C/34U group)
- R5F21348K (R8C/34K group)
- R5F213M6Uand R5F213M8U (R8C/3MU group)
- R5F213M8K (R8C/3MK group)

3. Problem

When your system designed with any of the above MCUs is debugged with R8C E8a Emulator Debugger V.1.05.00, the size of internal RAM accessible by the E8a emulator is restricted as follows:

MCU	Group	ROM size	RAM size	RAM size accessible by E8a

R5F21346U	R8C/34U	32 KB	4 KB	2.5 KB
R5F21348U	R8C/34U	64 KB	8 KB	6.0 KB
R5F21348K	R8C/34K	64 KB	8 KB	6.0 KB
R5F213M6U	R8C/3MU	32 KB	4 KB	2.5 KB
R5F213M8U	R8C/3MU	64 KB	8 KB	6.0 KB
R5F213M8K	R8C/3MK	64 KB	8 KB	6.0 KB

This restriction is imposed only when RAM is accessed by the debugger;
not imposed when accessed by the user program.

This problem has already been notified in Item 2 of Section 1.2 in
RENESAS TOOL NEWS Document No. 110616/tn2, which you can see on the Web
page at:
   http://tool-support.renesas.com/eng/toolnews/110616/tn2.htm

4. Solution

If you use any of the above MCUs, please contact your local
Renesas Electronics marketing office or distributor.
We will reply to your inquiry individually.

5. Schedule of Fixing the Problem

We plan to fix this problem in the next version of the product.