

RENESAS TOOL NEWS on December 16, 2003: RSO-M38000T2-CPE-031216D

A Note on Using Compact Emulator M38000T2-CPE

Several problems are found in the firmware loaded in the M38000T2-CPE compact emulator for the 740 family MCUs. We supply the problem-fixed firmware and explain how to download it at the end of this news.

1. Firmware Versions Concerned

All the versions of the M38000A1.C0 earlier than Ver.1.01.00 loaded in the M38000T2-CPE

The version of the firmware can be checked as follows:

- (1) Launch the M3T-PD38M.
- (2) Open the Help menu and select the About command.
- (3) In the Version dialog box that appears, check the version of the M38000A1.C0 firmware file.

2. Problems Found

The following problems occur when you use the emulator coming with the firmware concerned:

- (1) When the area containing addresses 4000-4FFF is referenced or modified in the various windows or by script commands;, or the program written in this area is executed, the following symptoms may appear:
 - An error arises which says "ERROR 16224: Target MCU is not under control. Please reset target systems."
 - Data in addresses 4000--4FFF are incorrectly displayed.
 - Data in addresses 4000--4FFF are incorrectly set.
- (2) When the user program reads out break vector addresses, the emulator system may malfunction.
- (3) When the RESET button is clicked or the reset command is executed in the M3T-PD38M, or the target MCU is reset by the target system, data in the emulation

memory area may be corrupted.

3. Workaround

Please replace the M38000A1.C0 firmware file in your product with the problem-fixed one (Ver.1.01.00) as follows:

- (1) Download the compressed firmware file "firm.exe"(154KB)
- (2) Decompress the firm.exe file to obtain the M38000A1.C0 Ver.1.01.00 and Readme_e.txt files.
- (3) Follow the steps shown in Readme_e.txt to update the firmware file.

We have upgraded the above firmware. Please download the latest firmware from the following Tool News.

RENESAS TOOL NEWS "Notes on Using M38000T2-CPE" issued on March 16, 2004

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