RENESAS Tool News

A Note on Using the Emulation Probes M30850T2-EPB and M30870T-EPB

Please take note of the problem described below in using the emulation probe--M30850T2-EPB--for the M32C/80, M32C/84, M32C/85, M32C/86, and M32C/8A groups, M32C/80 series, M16C family of MCUs; and the emulation probe-- M30870T-EPB--for the M32C/87 group of MCUs.

1. Product Concerned
M30850T2-EPB and M30870T-EPB

2. Problem
When you use either of the above emulation probes with the PC7501 emulator, the emulator debugger may not be invoked depending on the combination of the emulation probe and the PC7501 you are using.

3. Solution
Update MCU files; m30850.mcu, m30870.mcu, and m30870_ad.mcu; and the firmware file in your emulator debugger using either of the procedures explained below.

3.1 The M32C PC7501 Emulator Debugger Used
(1) Check to be sure that the M32C PC7501 emulator debugger V.1.03 Release 00 or later has been installed.
To check for the version of your debugger, invoke it and execute the VER command in the Script window.
If your emulator debugger is not of the latest version, update it to the latest one by downloading its update program from the Web site at
http://www.renesas.com/m32c_pc7501_dbg_download
and execute it.

For other methods, see description in either of the download pages

listed at the end of this section.

(2) Download the compressed file of the installer
"m30870fw_mcu_file_installer20070801.zip"
from either of the download pages listed at the end of this
section to the PC where the M32C PC7501 emulator debugger has
been installed; then decompress it.

(3) Execute the decompressed file
"m30870fw_mcu_file_installer20070801.exe"
to begin installation. Then follow the instructions displayed
on-screen.

- **Download page for the M30850T2-EPB:**
  http://tool-support.renesas.com/eng/toolnews/download/m30850t2-epb.htm
- **Download page for the M30870T-EPB:**
  http://tool-support.renesas.com/eng/toolnews/download/m30870t-epb.htm
  Both pages will be opened from August 22 on.

3.2 The M3T-PD308F Emulator Debugger Used
(1) Check to be sure that the last version of M3T-PD308F (spare
product), V.3.20 Release 1, has been installed.
To check for the version of your debugger, invoke it and execute
the VER command in the Script window.
If yours is not V.3.20 Release 1, update it by referencing
RENESAS TOOL NEWS Document No. RSO-M3T-PD308F-040401D, published
on April 1, 2004, at
http://tool-support.renesas.com/eng/toolnews/n040401/tn7.htm
(2) Download the compressed file of the firmware and MCU files
"m30870t-epb20070801.zip"
from either of the download pages listed at the end of Section 3.1
to the PC where M3T-PD308F has been installed; then decompress it.
(3) Copy the firmware and MCU files as follows:
   - Copy the "m30850.mcu", "m30870.mcu", and "m30870_ad.mcu" files
     to the directory of "Mcufiles" (where the MCU files are saved)
     to overwrite the previous ones.
   - Copy the "m30870f.s" firmware file to the directory where the
     executable file (pd308f.exe) of the emulator debugger exists.

3.3 Downloading the Updated Firmware to the Emulator
(1) After updating the firmware and MCU files in Sections 3.1 or 3.2,
load the firmware file into the PC7501. For details, see
Section 2.7, "Downloading Firmware", of the User's Manual.

If any error message appears, redo the procedures described
in Section 3.1 or 3.2.
 (2) After loading the PC7501 with the firmware, perform Self-check
    and check to see that the firmware is successfully terminated.
    For details, see Section 2.8 , "Self-check", of the User's Manual.
 (3) Invoke the emulator debugger and execute the VER command to check
    to be sure that the firmware is M30870F V1.00.00.

4. Notice

Notes on using the emulation probes are described in the following
Supplementary Documents. Be sure to read them before using these probes.

M30850T2-EPB Supplementary Document
(25 KB in PDF; to be updated on August 22):
http://documentation.renesas.com/eng/products/tool/rej10j0951_m30850t2epb_s.pdf

M30870T-EPB Supplementary Document
(24 KB in PDF; to be updated on August 22):
http://documentation.renesas.com/eng/products/tool/rej10j0484_m30870tepb_s.pdf