

RENESAS TOOL NEWS on October 16, 2004: RSO-M30850T-EPB-041016D

A Note on Using Emulation Probe M30850T-EPB

Please take note of the following problem in using the M30850T-EPB emulation probe (the product is used for the M32C/80, M32C/84, M32C/85, and M32C/86 groups, M32C/80 series of MCUs in combination with the PC7501 emulator):

1. Description

If any program is downloaded to the emulator system that uses the M30850T-EPB, flash-ROM erase errors arise with the following error message accompanied:

ERROR 16258: Flash ROM deletion error occurred.

2. Condition

This problem may occur if the system using the probe is operating at a main-clock frequency (XIN) of 16 MHz or lower.

3. Workaround

This problem can be circumvented by using the problem-fixed firmware and MCU files. So please replace yours with them as follows:

- (1) Download the m30850f.s firmware file and the m30850_a.mcu MCU file from **HERE**.
- (2) Copy the downloaded m30850f.s firmware file into the folder* where the M3T-PD308F emulator debugger resides.
 - * If the M3T-PD308F has been installed as the default, this folder is c:/mtool/pd308f in its full pathname expression.
- (3) Copy the downloaded m30850_a.mcu MCU file into the "mcufiles" folder* under the folder where the M3T-PD308F resides.
 - * If the M3T-PD308F has been installed as the default, this folder is c:/mtool/pd308f/mcufiles in its full pathname

expression.

- (4) Check to see that the problem-fixed MCU file has been successfully installed as follows:
 - (a) Launch the M3T-PD308F.
The Init dialog box appears.
 - (b) Select the MCU tab and click the Refer button to open the File Selection dialog box.
 - (c) Select "m30850_a.mcu" as your MCU file in the dialog box.
 - (d) If you see "m30850_a.mcu" displayed in the MCU area in the MCU tab, the problem-fixed MCU file has been successfully installed.

4. **Schedule of Fixing the Problem**

We plan to fix this problem in our next release of the M3T-PD308F emulator debugger.

5. **Another Problems Encountered in M30850T-EPB**

If a CPU rewrite program is stored in expanded emulation memory, this program may run away. So, store it in on-chip RAM or an external resource in the Target system.

Note, however, that this problem arises only in emulation using the emulator; it does not arise in actual MCUs.

[Disclaimer]

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included. The URLs in the Tool News also may be subject to change or become invalid without prior notice.

© 2010-2016 Renesas Electronics Corporation. All rights reserved.