

RENESAS TOOL NEWS on December 1, 2004: RSO-M30870T-EPB_2-041201D

Free of Charge Upgrade of an Emulation Probe--M30870T-EPB (WS2)-- for the M32C/87 Group of MCUs

We notify that the M30870T-EPB emulation probe (WS2 product) will be upgraded free of charge. This probe is used for the M32C/87 group of MCUs in combination with the PC7501 emulator.

1. Products Concerned

The products that labels "WS TOOL" and "WS2" are affixed to and bear the following serial numbers are concerned. The serial number is inscribed on the M30870T-EPBM board (a board connected to the target system):

Serial numbers:

4DM002A, 4DM004A, 4DM005A, 4DM006A, 4DM009A, 4DM010A,
4EM007A, 4EM009A, 4EM012A, 4EM013A, 4EM014A, 4EM015A,
4EM020A, and 4EM021A

NOTICES:

1. The M30870T-EPB products bearing the "ES TOOL" label (ES products) are excluded from this free-of-charge upgrade because they are equipped with the same evaluation MCU as with the volume-produced ones.
2. In the ES products, the same problems arising in the volume-produced M30870T-EPBs are also encountered, which are described in Section 6 below.

2. Description of Upgrade

The upgraded products are equipped with the same evaluation MCU as with the volume-produced ones.

The same problems arising in the volume-produced M30870T-EPBs are also encountered in the upgraded products. See sections 6 and 7.

3. **How to Upgrade Your Products**

- (1) Application for the upgrade
Fill in the appended "M30870T-EPB Free-of-Charge Upgrade Application Form" and send it by e-mail or FAX to us.
- (2) Send back your M30870T-EPB product with the application form enclosed to us.
- (3) We will ship back your product upon upgrading and checking it.

SEND TO: Your local Renesas Technology sales office or distributor

4. **Notices**

- (1) We will not be able to supply you with another probe for the period of time of upgrade (about 10 working days or more except for the transportation period).
- (2) If your probe does not work properly, an additional charge will be made for repairing it.

5. **Effective Date of Application**

From December 1, 2004, to November 30, 2005, inclusive

If circumstances prevent you from sending your application form, please contact your local Renesas Technology sales office or distributor.

6. **Problems in Using M30870T-EPB**

Please take note of the following problems in using the product:

- (1) If CPU rewrite program is placed in the expanded emulation memory, the program may run away. So place this program in the on-chip RAM area or the external resource on the target system.
However, this problem arises only in the emulator; not in any actual MCU.
- (2) If the product is used in combination with the M3T-PD308F V.3.20 Release 1 or earlier (the emulator debugger for the PC7501 emulator), update your firmware and MCU files as described in the next section. Otherwise, if programs are downloaded to the emulator with the main clock XIN being set to 16 MHz or less, the

error message saying "ERROR 16258: Flash ROM deletion error occurred." may appear.

7. How to Update Your Firmware and MCU Files

Please update your firmware and MCU files as follows:

- (1) Download the m30850f.s firmware file and the m30870_a.mcu and m30870_ad_a.mcu MCU files from "Download Site An MCU file and a firmware file required when you use emulation probe M30870T-EPB for the M32C/87 Group MCUs."
- (2) Copy the downloaded m30850f.s firmware file to the folder (*1) where the M3T-PD308F resides.
- (3) Also copy the downloaded m30870_a.mcu and m30870_ad_a.mcu MCU files to the mcufiles folder under the same folder in (2).
- (4) Launch the M3T-PD308F and you see the Init dialog box opens.
Then select the MCU tab and click the Refer button to open the File selection dialog.
- (5) In the MCU Files list box, select the m30870_a.mcu or m30870_ad_a.mcu file (*2); then click Open.
- (6) Again select the MCU tab in the Init dialog box and if you see "m30870_a.mcu" or "m30870_ad_a.mcu" is displayed in the MCU box according to your selection, the file has been successfully installed.

NOTES:

- *1. If the M3T-PD308F has been installed as the default, the path of this folder is c:\¥mtool¥pd308f.
- *2. The m30870_a.mcu and the m30870_ad_a.mcu file are different in limitations imposed on the function of selecting an analog input pin. For details, see the M30870T-EPB user's manual or the document included with the product.

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