

RENESAS TOOL NEWS on February 1, 2005: RSO-M30880T-EPB-050201D

## Emulation Probe M30880T-EPB Released (For the M32C/88 Group of MCUs)

We have released the M30880T-EPB emulation probe. It is used for the M32C/88 group of MCUs in combination with the PC7501 emulator.

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### 1. Outline

The M30880T-EPB is an emulation probe used in combination with the PC7501 emulator (specific to the M16C family) and supports the M32C/88 group, M32C/80 series of MCUs.

It operates under the following conditions:

- operating clock frequencies: 32 MHz maximum
- supply voltages to target: 4.2--5.5 V

### 2. Contents of Product Package

- (1) An MCU board--M30880T-EPBM--for the M32C/88 group
- (2) An evaluation MCU (already mounted)
- (3) A board for the probe--PCA7501EPBA--specific to the PC7501
- (4) A converter board--M30800T-PTC--for connecting a 100-pin 0.65-mm-pitch QFP
- (5) A 100-pin 0.65-mm-pitch IC socket--IC61-1004-051--manufactured by Yamaichi Electronics Co., Ltd.
- (6) Two oscillator boards:
  - OSC-3 board for the 32-MHz main clock
  - OSC-2 board for main clocks
- (7) A user's manual

For further information on the specifications of the product, please see its datasheet.

### 3. Problem Encountered in the M30880T-EPB

If the product is used together with the M3T-PD308F emulator debugger (for the PC7501 emulator) whose version is V.3.20 Release 1 or earlier, its firmware and MCU files must be updated. Otherwise, when a target program is transferred to the emulator with main clock XIN being set to 16 MHz or less, the error message shown below may be displayed.

ERROR 16258: Flash ROM deletion error occurred.

#### 4. How to Update the Firmware and MCU Files

- (1) Download the m30850f.s firmware file and the m30880\_a.mcu MCU file from **HERE**.  
-> The MCU file and firmware file have been updated to m30880.mcu and m30830f.s respectively in Aug. 2008.
- (2) Copy the downloaded m30850f.s firmware file to the folder\* where the M3T-PD308F resides.
- (3) Also copy the downloaded m30880\_a.mcu MCU file to the mcufiles folder under the same folder in (2).
- (4) Invoke 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 box.
- (5) In the MCU Files list box, select the m30880\_a.mcu file and then click Open.
- (6) Again select the MCU tab in the Init dialog box and if you see "m30880\_a.mcu" is displayed in the MCU box, the file has been successfully installed.

\* If the M3T-PD308F has been installed as the default, the path of this folder is c:\mtool\pd308f.

#### 5. Ordering Information

If you place an order for the product, please supply the following items of information to your local Renesas Technology sales office or distributor:

Product type	Type name	Comment
M30880T-EPB	M30880T-EPB	None

For the price of the product, contact your local Renesas Technology sales office or distributor.

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