

To our customers,

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## Old Company Name in Catalogs and Other Documents

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On April 1<sup>st</sup>, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: <http://www.renesas.com>

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Renesas Electronics Corporation

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M30880T-EPB Supplementary Document

**Read This Before Using This Product**

Renesas Solutions Corp.  
Microcomputer Tool Development Department

The M30880T-EPB is an emulation probe for the M32C/88 Group MCUs.

**1. Applicable Emulator Debugger**

M3T-PD308F V.3.20 Release 1  
M32C PC7501 Emulator Debugger V.1.02 Release 00 or later

**2. Downloading the latest Files**

- (1) When using M32C PC7501 Emulator Debugger V.1.02 Release 00 or later, you do not need to download any files.
- (2) When using M3T-PD308F V.3.20 Release 1, download an MCU file and a firmware file from the web site below. These files are required when using this product.

<http://tool-support.renesas.com/eng/toolnews/n050201/download.htm>

File name	Version	Description
m30880tepb20080730.zip	-	Zip file that contains the MCU file and the firmware for M3T-PD308F.

Download the zip file “m30880tepb20080730.zip” to the host machine where M3T-PD308F is installed and extract it to get the firmware file “m30830f.s” and the MCU file “m30880.mcu”.

**3. How to Use This Product**

- (1) Copying an MCU file and firmware file  
Before copying the downloaded files, install the emulator debugger M3T-PD308F. Then copy the MCU file and firmware following the procedure below.
  1. Copy “**m30880.mcu**” to the directory (Mcufiles) that contains MCU files.
  2. Copy “**m30830f.s**” to the directory that contains the emulator debugger execution file “pd308f.exe”.
- (2) Downloading Firmware  
It is necessary to download the firmware in the following cases. The emulator debugger automatically starts downloading the firmware when:
  - you use this product for the first time
  - the firmware has been upgraded
  - the emulator debugger has been upgraded
  - you use this product with a PC7501 which was used with another emulation probe before

When the power is unexpectedly shut down during firmware download or when the communication interface cable is pulled out, redownload the firmware in maintenance mode following the procedure below. The target system must not be connected when downloading the firmware.

1. Set the interface select switch on the rear panel of the PC7501 to the LPT side and connect the LPT parallel interface cable to the PC7501 and the host machine.
2. Within 2 seconds of activating power to the emulator, press the RESET switch on the PC7501 upper panel to switch to maintenance mode.
3. Switched to maintenance mode, the SAFE SYSTEM STATUS LED begins to flash.
4. Start up the emulator debugger. When the Init dialog box setup is complete, the dialog which urges to download the firmware will appear. Download the firmware following the messages. Required time for downloading the firmware is about 60 seconds.

For details, refer to “2.7 Downloading Firmware” (page 26) of the M30880T-EPB User’s Manual.

(3) Self-check

To check that the emulation probe operates normally, execute the self-check after downloading the firmware following the procedure below.

1. If the target system is connected, disconnect it.
2. Within 2 seconds of activating power to the emulator, press the system reset switch on the emulator upper panel to switch the emulator to maintenance mode.
3. Check the “SAFE” LED starts flashing and then press the system reset switch again.
4. The self-check will start. If the normal result is displayed in about 30 seconds, the self-check terminated normally.

For details, refer to “2.8 Self-check” (page 27) of the M30880T-EPB User’s Manual.

## 4. Inquiries

For technical information on this product, fill in the text file which is downloaded from the following URL, then send the information to your local distributor.

<http://tool-support.renesas.com/eng/toolnews/registration/support.txt>