

RENESAS TOOL NEWS on April 1, 2005: RSO-M3T-PD45M-050401D

## Emulator Debugger M3T-PD45M Revised to V.1.20 Release 00

We have revised the M3T-PD45M emulator debugger from V.1.10 Release 2 to V.1.20 Release 00. The M3T-PD45M is used for the 4500 series of MCUs.

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### 1. Descriptions of Revision

#### 1.1 Functions Introduced

- (1) Compact emulators are selectable for using together with the emulator debugger.
- (2) The compact emulator for the 4508 and 4509 groups-- M34509T2-CPE-- has been included in the line of selectable ones.
- (3) So the following data files has been added (they are used for MCUs of the 4508 and 4509 groups):
  - M34508G4.DAT: for the 4508 group
  - M4508G4H.DAT: for the 4508 group (H version)
  - M34509G4.DAT: for the 4509 group
  - M4509G4H.DAT: for the 4509 group (H version)

#### 1.2 Problems Fixed

- (1) In the Register window or using the Register command, if the Z, X, or Y register is set to a value outside the range that data pointers can point to, an error arises.
- (2) If the size of the Memory window is changed while the target program is under execution, the target program may be halted.
- (3) If the target program is re-loaded, the label name appearing in the label displaying area of the Coverage window cannot be updated.

### 1.3 Specification Modified

If the value loaded in the Z, X, or Y register points to a value outside the range that data pointers can point to\*, the values loaded in RAM pointed to by data pointers become not displayed in the Register window though they have hitherto been displayed.

- \* The Z, X, and Y registers are used as data pointers pointing to a specific address in the RAM area in the MCU. The range that can be pointed to by data pointers varies with RAM size.

## 2. How to Revise Your Product

Free-of-charge online revision is available. So revise yours by downloading the latest version of the product from **HERE** and installing it.

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