

To our customers,

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## Old Company Name in Catalogs and Other Documents

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

April 1<sup>st</sup>, 2010  
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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# M30830T-EPBM

MCU Board for Replacing M30830T-EPB (for M32C/81, 82 and 83 Groups)

## User's Manual

Keep safety first in your circuit designs!

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### CAUTION

If the requirements shown in the "CAUTION" sentences are ignored, the equipment may cause personal injury or damage to the products.

## 1. Outline

The M30830T-EPBM is an MCU board for replacing emulation probe M30830T-EPB for the M32C/81, 82 and 83 Group MCUs. For the emulation probe, you need to replace an MCU board in the following case.

- At the end of the life of MCUs with internal flash ROM

Because the maximum number of iteration of writing into and erasing internal flash ROM is limited, when it is at the end of its life, replace the MCU for the emulator.

## 2. Package Components

Check to see if your M30830T-EPBM package contains all the items listed below.

### Package components

M30830T-EPBM MCU board for replacing M30830T-EPB	1 piece
M30830T-EPBM user's manual (this manual)	1 piece
M30830T-EPBM user's manual (Japanese)	1 piece

\* If any of these items are missing or found faulty, contact your local distributor.

\* If there is any question or doubt about the packaged product, contact your local distributor.

## 3. Replacing MCU Boards

How to replace MCU boards is shown in Figure 1 below.

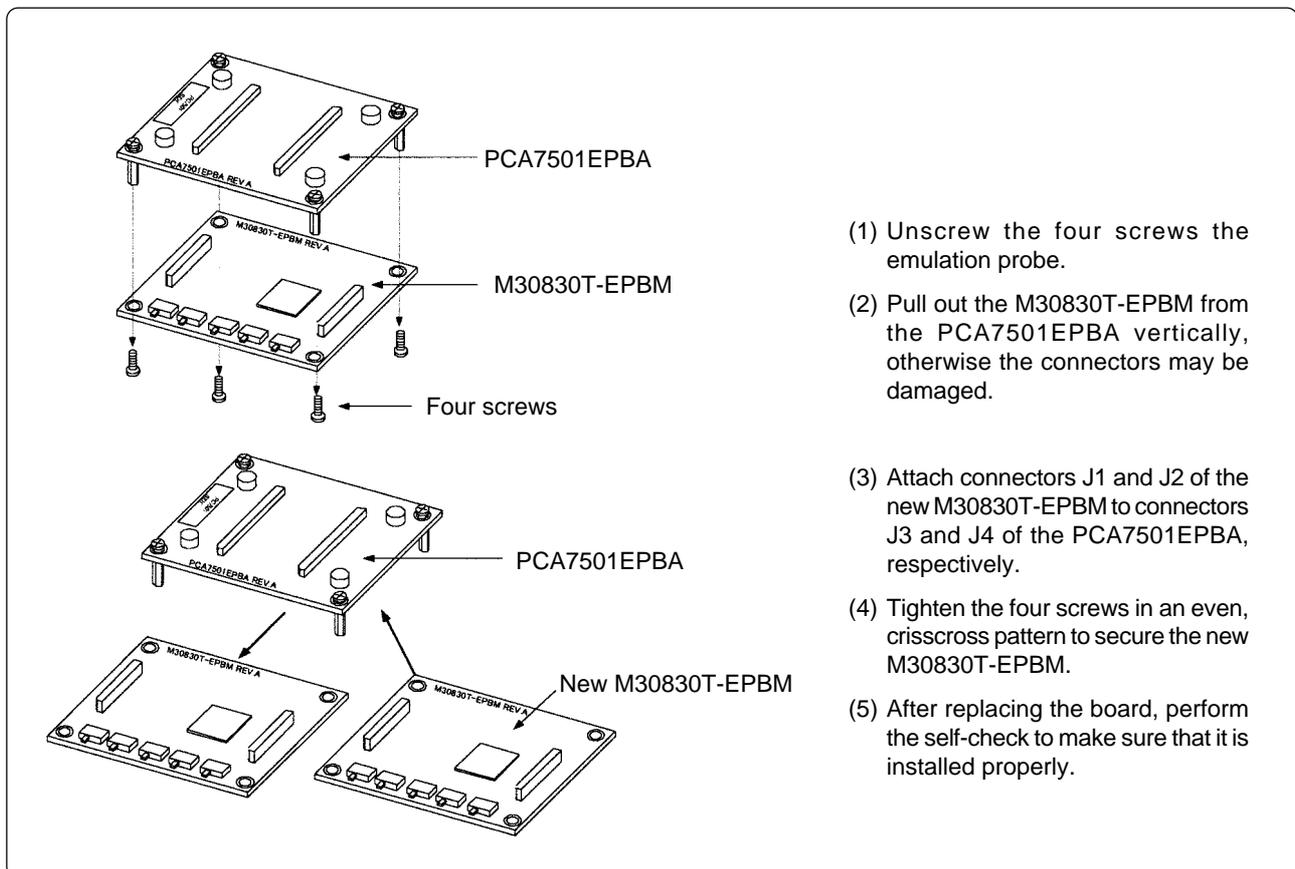


Figure 1 Replacing MCU boards

## ⚠ CAUTION

### Notes on Handling This Product:



- Before you replace the MCU board, shut off the power, otherwise internal circuits may be damaged.
- For inquiries about the product or the contents of this manual, contact your local distributor.