

RENESAS TOOL NEWS on September 1, 2006: 060901/tn6

An Emulation Probe--M3028BT-EPB-- for the M16C/Tiny MCU Series to Be Published

We have released an emulation probe--M3028BT-EPB--for the M16C/Tiny series on September 1, 2006.

According to the release of the M3028BT-EPB, its predecessor, the M30290T-EPB, have been discontinued from production.

For further information, see Section 4 later.

1. Outline

The M3028BT-EPB emulation probe, used in combination with the PC7501 emulator, can debug programs created for any member of the M16C/26A, M16C/28, and M16C/29 groups of MCUs. It supports MCUs operating at frequencies up to 24 MHz maximum.

2. The Contents of the Product Package

- (1) A MCU board--M3028BT-EPBM--for the M16C/26A, M16C/28, and M16C/29 groups
- (2) An evaluation MCU (already mounted)
- (3) A probe board--PCA7501EPBA--for the PC7501 emulator
- (4) Two oscillator boards
 - o OSC-3 for a main clock of 20 MHz (already mounted)
 - o OSC-2 for another main clock
- (5) A user's manual

For details of the specifications of the product, see its datasheets.

3. 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 (for the price of the product, also contact them).

3.1 M3028BT-EPB Only (with No Converter Board for Connecting the emulation probe to Any Target MCU)

Product type: M3028BT-EPB

Type name: M3028BT-EPB

3.2 Combinations of the M3028BT-EPB and a Converter Board

Sets of the M3028BT-EPB and the converter boards for connecting the M3028BT-EPB to various types of target MCU are available.

- (1) For the PRSP0042GA-A package (42-pin 0.8-mm-pitch SSOP; previous 42P2R-E)

Product type and type name: M3028BT-EPB-1

Contents: the M3028BT-EPB and the M30263T-42SSB converter board

- (2) For the PLQP0048KB-A package (48-pin 0.5-mm pitch LQFP; previous 48P6Q-A)

Product type and type name: M3028BT-EPB-2

Contents: the M3028BT-EPB and the M30260T-48FPD converter board

- (3) For the PLQP0064KB-A package (64-pin 0.5-mm-pitch LQFP; previous 64P6Q-A)

Product type and type name: M3028BT-EPB-3

Contents: the M3028BT-EPB and the M30291T-64FPD converter board

- (4) For the PLQP0080KB-A package (80-pin 0.5-mm-pitch LQFP; previous 80P6Q-A)

Product type and type name: M3028BT-EPB-4

Contents: the M3028BT-EPB and the M30290T-80FPD converter board

- (5) For the PTLG0085JB-A package (85-pin 0.65-mm-pitch TFLGA; previous 85F0G)

Product type and type name: M3028BT-EPB-5

Contents: the M3028BT-EPB and the M30280T-85LGF converter board

4. **Notice**

After the release of the M3028BT-EPB, we have discontinued production of the M30290T-EPB. So, for the customers who are using it, we are going to upgrade it to an equivalent of the M3028BT-EPB (the maximum operating frequency of target MCUs extended from 20 MHz to 24 MHz) with additional charge.

When we are ready to upgrade your M30290T-EPB, we will inform you of it on our tool news. If you request us to repair or check your M30290T-EPB, we will upgrade it to an equivalent of the M3028BT-EPB after repairing or checking it. So if you don't need this upgrade, please let us know of it explicitly in writing.

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