

Information on Extra-Charge Upgrade of the Emulation Probe --M30290T-EPB-- for the M16C/Tiny Series of MCUs

We inform you of the extra-charge upgrade of the M30290T-EPB emulation probe. (It is used for emulating the MCUs of the M16C/26A, M16C/28, and M16C/29 groups, M16C/Tiny series.) If upgraded, your M30290T-EPB emulation probe becomes capable of operating up to a maximum operating frequency of 24 MHz.

1. Upgradable Products

- (1) Working samples (WS)
 - o M30260T-EPB
 - o M30290T-EPB
 - o M30291T-EPB
- (2) Commercial products (shipped by probe only)
 - o M30290T-EPB
- (3) Commercial products (shipped by a set of probe and converter board)
 - o M30260T-EPB-GP
 - o M30263T-EPB-FP
 - o M30290T-EPB-HP
 - o M30291T-EPB-HP

NOTICE:

Only the M30290T-EPB in the set upgradable.

2. Descriptions of Upgrade

This upgrade extends the maximum operating frequency of the M30290T-EPB from 20 MHz to 24 MHz.

Accordingly, the M30290T-EPB can support the M16C/26B (M16C/26A group) and the M16C/28B (M16C/28 group), both of which operate up to 24 MHz, in addition to the MCUs it has so far supported.

The supported MCUs and operating conditions of the upgraded M30290T-EPB are as follows:

Supported MCUs (in M16C/Tiny series, M16C family):

- M16C/26A, M16C/26B, and M16C/26T (M16C/26A group)
- M16C/28 and M16C/28B (M16C/28 group)
- M16C/29 (M16C/29 group)

Supply voltage to target system: 2.7--5.5 V (as before) Maximum operating frequency:

- 24 MHz at 4.2--5.5 V (PLL used)
- 20 MHz at 3.0--5.5 V
- 10 MHz at 2.7--5.5 V

NOTICE:

This upgrade extends the maximum operating frequency of the M30290T-EPB from 20 MHz to 24 MHz, so the upgraded probe is equivalent to its successor, the M3028BT-EPB.

3. Price

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

4. How to Upgrade Your Product

To apply for the upgrade of your product, perform the following steps:

- (1) Fill in the appended M30290T-EPB upgrade application form and send it to us by E-mail.
- (2) Ask your local Renesas Technology sales office or distributor to upgrade your product. At the same time, let them know its type name is R0EZG000000009R.
- (3) Send your product to us with the application form in (1) enclosed.

SEND TO: Your local Renesas Technology sales office or distributor

5. Effective Date of Application

Acceptable from November 6, 2006, to March 16, 2007, inclusive. If circumstances prevent you from sending your application form in this period, please contact your local Renesas

Technology sales office or distributor.

6. Notices

- (1) We will not be able to supply you with another probe for the period of time of upgrade.
- (2) If your product does not work properly, an additional charge will be made for repairing it.

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