

RENESAS TOOL NEWS on December 16, 2005: RSO-R0E521000EPB00-051216D

The Emulation Probe for the R8C/Tiny Series Released

We have released the emulation probe for the R8C/Tiny series, M16C family of MCUs, R0E521000EPB00. This probe is used together with the PC7501 emulator.

1. Outline

The R0E521000EPB00 emulation probe is used together with the PC7501 emulator (for emulating the M16C family) and the optional converter board for connecting the user system to the probe. It is capable of debugging programs created for MCUs of the R8C/Tiny series. For ordering the combinations of the probe and optional converter boards, see Section 3.2.

The emulation probe operates at:

- a maximum operating clock frequency of 20 MHz and
- supply voltages to the target system of 2.2-5.5 V

For details, see its datasheets.

2. The Contents of the Product Package

- (1) An emulation probe--R0E521000EPB00
- (2) An evaluation MCU (already mounted)
- (3) Two oscillator boards:
 - OSC-3 for the 20-MHz main clock
 - OSC-2 for main clocks
- (4) A CD-ROM including the firmware file and the MCU files for the R0E521000EPB00
- (5) A user's manual
- (6) A release note
- (7) H/W Tool Customer Registration Sheet
- (8) A Repair Request Sheet

Note: The M16C R8C PC7501 Emulator Debugger is bundled with the PC7501 emulator. If you are using a PC7501, you can download the latest version of emulator debugger from the Renesas homepage and use it.

3. Ordering Information

If you place an order for the product you want, please supply its ordering information stated in the tables below to your local Renesas Technology sales office or distributor. For the prices of the products, also contact them.

3.1 R0E521000EPB00 Only (without Optional Converter Board)

Product Type	Type Name	Comment
R0E521000EPB00	R0E521000EPB00	None

3.2 Combination of R0E521000EPB00 and Optional Converter Board

The five sets of the R0E521000EPB00 and an optional converter board are available for MCUs encapsulated in five types of MCU package, which are listed below.

- (1) Set for 32-pin 0.8-mm-pitch LQFP-packaged MCUs in the R8C/10, /11, /12, and /13 groups

Product Type	R0E521134EPB00
Contents	R0E521000EPB00 and converter board R0E521134CFG00

- (2) Set for 20-pin 0.65-mm-pitch LSSOP-packaged MCUs in the R8C/14, /15, /16, /17, /18, /19, /1A, and /1B groups

Product Type	R0E521174EPB00
Contents	R0E521000EPB00 and converter board R0E521174CSJ00

- (3) Set for 20-pin 1.778-mm-pitch SDIP-packaged MCUs in the R8C/18, /19, /1A, and /1B groups

Product Type	R0E521174EPB10
Contents	R0E521000EPB00 and converter board R0E521174CDB00

- (4) Set for 48-pin 0.5-mm-pitch LQFP-packaged MCUs in the R8C/20, /21, /22, and /23 groups

Product Type	R0E521237EPB00
Contents	R0E521000EPB00 and converter board R0E521237CFK00

- (5) Set for 52-pin 0.65-mm-pitch LQFP-packaged MCUs in the R8C/24 and /25 groups

Product Type	R0E521258EPB00
Contents	R0E521000EPB00 and converter board R0E521258CFJ00

Product Type	Type Name	Comment
R0E521134EPB00	R0E521134EPB00	None
R0E521174EPB00	R0E521174EPB00	None
R0E521174EPB10	R0E521174EPB10	None
R0E521237EPB00	R0E521237EPB00	None
R0E521258EPB00	R0E521258EPB00	None

4. Notes

- (1) We are remodeling the WS and ES products of the emulation probe to an equivalent of the standard product. So we will inform the users who have purchased WS or ES that free-of-charge remodeling is ready to be available on the tool news in February 2006.
- (2) When you use the WS or ES product of the emulation probe, be sure to use the firmware file and the MCU files included with WS or ES. If you use those included with the standard product, WS and ES products may not properly work.

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