
RENESAS TOOL NEWS on August 1, 2004: RSO-M306NKT-EPB_1-040801D

Emulation Probe M306NKT-EPB Released

We have released the M306NKT-EPB emulation probe for the M16C/6N4, M16C/6N5, M16C/6NK, M16C/6NL, M16C/6NM, and M16C/6NN MCUs belonging to the M16C/6N Group in the M16C/60 series of the M16C family.

1. Outline

The M306NKT-EPB is used in combination with the PC7501 emulator to debug the M16C/6N4, M16C/6N5, M16C/6NK, M16C/6NL, M16C/6NM, and M16C/6NN MCUs in the M16C/6N Group.

The M16C/6NK and M16C/6NL are the brand-new microcomputers announced on newspapers on this July 20. For details of these, go to "Press Releases"

The main specifications of the M306NKT-EPB are as follows:

- * Maximum operating clock frequencies:
 - 20 MHz at debugging the M16C/6N4 and M16C/6N5
 - 24 MHz at debugging the M16C/6NK, M16C/6NL, M16C/6NM, and M16C/6NN
- * Supply voltages to the target system:
 - Vcc = 4.2--5.5 V at debugging the M16C/6N4 and M16C/6N5
 - Vcc = 3.0--5.5 V at debugging the M16C/6NK, M16C/6NL, M16C/6NM, and M16C/6NN

For further information on the specifications of the product, please see its datasheet.

2. The Contents of the Product Package

- (1) An MCU board--M306NKT-EPBM--for the M16C/6N4, M16C/6N5, M16C/6NK, M16C/6NL, M16C/6NM, and M16C/6NN
- (2) An evaluation MCU (already mounted)
- (3) A probe board--PCA7501EPBA--for the PC7501 emulator
- (4) A converter board--M30800T-PTC--for connecting a 100-pin 0.65-mm-pitch QFP

- (5) A 100-pin 0.65-mm-pitch LCC socket--IC61-1004-051--manufactured by Yamaichi Electronics Co., Ltd.
- (6) Two oscillator boards
 - * OSC-3 for the 16-MHz main clock
 - * OSC-2 for main clocks
- (7) Six 51-kiloohm network resistors for pulling up ports P0--P5
- (8) A user's manual

3. Ordering Information

If you place an order for the product, please provide the following items of information for your local Renesas Technology sales office or distributor.

Product Type	Type Name	Comment
M306NKT-EPB	M306NKT-EPB	--

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

4. Notes

- (1) If using the product together with the M3T-PD30F V.2.20 Release 1 emulator debugger for the PC7501 emulator, you need the M16C6NK.mcu MCU file. For further information, see Renesas Tool News "An MCU File Supplied for the M306NKT-EPB Emulation Probe" issued on this August 1.
- (2) According to the release of the M306NKT-EPB, the M306N4T-EPB emulation probe, currently used for the M16C/6N4 and M16C/6N5 MCUs in the M16C/6N group, are being shipped for repair and spare use only.

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