To our customers,

Old Company Name in Catalogs and Other Documents

   On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

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

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Renesas Electronics Corporation

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RENESAS

GRADE **A**

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M16C/62, M16C/6N Flash Memory Version

Precautions for Boot Mode (2)

1. Related devices

Flash Memory 5V Version : M30624FGFP, M30624FGGP, M30625FGGP,
M306N0FGTFP
Flash Memory 3V Version : M30624FGLFP, M30624FGLGP, M30625FGLGP

2. Precautions

When executing onboard write using boot mode, there is possibility of data in internal RAM being changed by the RESET signal. (Because during a reset operation, if the address lines point to a internal RAM location, data might be changed from outside conditions. This occurrence is for only boot mode.)

With boot mode, the control program for the flash memory that resides in the boot area is first transferred to internal RAM, then executed. The boot program is transferred only once to internal RAM when power is first applied to the MCU. Depending on the Flash programmer being used, a RESET may be issued after each command. There is the possibility using a programmer that may not execute the boot program normally, which will cause you to not be able to program the device.

3. Countermeasures

When using boot mode, please pull up any one of the address bus lines of higher 4 bit(A_{16}-A_{19}). If address bus condition is higher than 10000_{16}, this problem will not occur.