

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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MSC TECHNICAL NEWS

No.M16C-07-9701

Note on selecting XIN-XOUT drive capacity of the M16C/61 group (Rev.B)

1. Related devices

M30610MA-XXXFP/GP

M30610MC-XXXFP/GP

M30610EC-XXXFP/GP

M30610ECFS

M30612MA-XXXFP/GP

M30612MC-XXXFP/GP

2. Condition

Writing "0" to the XIN-XOUT drive capacity select bit (bit 5) in the system clock select register 1 (address 000716) decrease the XOUT drive capacity. MCU operation can be stopped depending on the frequency of the internal clock \emptyset .

3. Solution

When XIN-XOUT drive capacity select bit is set to "0", the following condition must be satisfied:

(1) When VCC = 4.0 to 5.5V, the frequency of internal clock \emptyset must be 5MHz or less.

(2) When VCC = 2.7 to 4.0V, the frequency of the internal clock \emptyset must be 3.5MHz or less.