

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>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

Send any inquiries to <http://www.renesas.com/inquiry>.

MESC TECHNICAL NEWS No.M16C-19-9903

MESC TECHNICAL NEWS

'No.M16C-16-9902' replace

MESC TECHNICAL NEWS 'No.M16C-16-9902' has an error, so we will correct.
Please replace old Technical News 'No.M16C-16-9902' to corrected Technical News 'M16C/60,
M16C/61, M16C/62 Group Precautions for Setting Pull-up Resistors'.

[Attached]

Corrected Technical News 'No.M16C-19-9903'
'M16C/60, M16C/61, M16C/62 Group Precautions for Setting Pull-up Resistors' 1 page

MESC TECHNICAL NEWS

No. M16C-19-9903

M16C/60, M16C/61, M16C/62 Group Precautions for Setting Pull-up Resistors

1. Related devices

M16C/60 group, M16C/61 group, M16C/62 group

2. Precautions

Ports P0 to P10 can be set to apply a pull-up resistor by using the pull-up control registers.

(1) M16C/60 Group, M16C/61 Group

In Memory expansion mode or Microprocessor mode, the settings of pull-up control registers for ports P0 to P5 are invalid.

In Memory expansion mode or Microprocessor mode, ports P0, P1, P31 to P37 and P4 can be used as input ports, but internal pull-up resistors can not be connected.

(2) M16C/62 Group

In Memory expansion mode or Microprocessor mode, the settings of pull-up control registers for P0 to P3, P40 to P43 and P5 are invalid.

In Memory expansion mode or Microprocessor mode, ports P0, P1, P31 to P37 and P40 to P43 can be used as input ports, but internal pull-up resistors can not be connected.

(In Memory expansion mode or Microprocessor mode, P44 to P47 can be used as general input ports, and pull-up control register can be used to connect the internal pull-up resistors.)