

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>.

REJ19B0637-0100

Mask ROM number	
-----------------	--

**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M30240M6-XXXFP
MASK ROM CONFIRMATION FORM**

Receipt	Date:	
	Section head signature	Supervisor signature

Note : Please fill in all items marked *.

* Customer	Company name	TEL ()	Issuance signature	Submitted by	Supervisor
	Date issued	Date:			

* 1. Check sheet

Name the product you order, and choose which to give in, EPROMs or floppy disk.

If you order by means of EPROMs, a set of three EPROMs is required per pattern. If you order by means of floppy disk, one floppy disk is required per pattern.

In the case of EPROMs

Renesas will create the mask using the data on the EPROMs supplied, providing the data is the same on at least two of the set. Renesas will, therefore, only accept liability if there is any discrepancy between the data on the EPROM set and the ROM data written to the product.

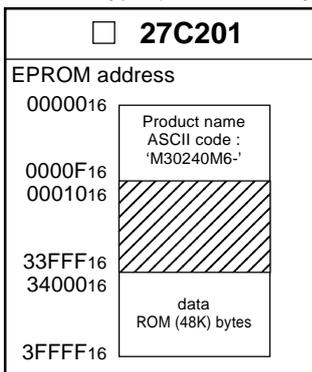
Please carefully check the data on the EPROMs being submitted to Renesas.

Checksum code for total EPROM area:

--	--	--	--

 (hex)

EPROM type (indicate the type used)



- (1) Write "FF₁₆" to the lined area.
 (2) The area from 00000₁₆ to 0000F₁₆ is for storing data on the product type name.
 The ASCII code for "M30240M6-" is shown at right.
 The data in this table must be written to address 00000₁₆ to 0000F₁₆.
 Both address and data are shown in hex.

Address	'M' = 4D ₁₆	Address	'-' = 2D ₁₆
00000 ₁₆		00008 ₁₆	
00001 ₁₆	'3' = 33 ₁₆	00009 ₁₆	FF ₁₆
00002 ₁₆	'0' = 30 ₁₆	0000A ₁₆	FF ₁₆
00003 ₁₆	'2' = 32 ₁₆	0000B ₁₆	FF ₁₆
00004 ₁₆	'4' = 34 ₁₆	0000C ₁₆	FF ₁₆
00005 ₁₆	'0' = 30 ₁₆	0000D ₁₆	FF ₁₆
00006 ₁₆	'M' = 4D ₁₆	0000E ₁₆	FF ₁₆
00007 ₁₆	'6' = 36 ₁₆	0000F ₁₆	FF ₁₆

REJ19B0637-0100

Mask ROM number	
-----------------	--

**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M30240M6-XXXFP
MASK ROM CONFIRMATION FORM**

The ASCII code for the type No. can be written to EPROM addresses 00000₁₆ to 0000F₁₆ by specifying the pseudo-instructions for the respective EPROM type shown in the following table at the beginning of the assembler source program.

EPROM type	27C201
Code entered in source program	△ .SECTION △ ASCII CODE,ROM DATA △ .ORG △ 0C0000H △ .BYTE △ 'M30240M6-'

Note : The ROM cannot be processed if the type No. written to the EPROM dose not match the type No. in the check sheets.

In the case of floppy disk

Renesas processes the mask files generated by the Mask Make utility (MM:Note) out of those held on the floppy disks you give in to us, and forms them into masks. Hence, we assume liability provided that there is any discrepancy between the contents of these mask files and the ROM data to be burned into products we produce. Check thoroughly the contents of the mask files you give in.

Prepare 3.5 inches 2HD (IBM format) floppy disk. And store only one mask file in a floppy disk.

Do not include the ASCII codes of the product name, the optional data, and so on to the machine language file that is read by MM, if this order is performed by a floppy disk.

File code

--	--	--	--	--	--	--	--	--	--

 (hex)

Mask file name

--	--	--	--	--	--	--	--	--	--

 .MSK (alpha-numeric 8-digit)

Note : Can be downloaded from the following website.
<http://www.tool-spt.mesc.co.jp/maskmake/mm-e.htm>

※ 2. Mark specification

The mark specification differs according to the type of package. After entering the mark specification on the separate mark specification sheet (for each package), attach that sheet to this masking check sheet for submission to Renesas. For the M30240M6-XXXFP, submit the 80P6N mark specification sheet.

※ 3. Usage conditions

For our reference when of testing our products, please reply to the following questions about the usage of the products you ordered.

(1) Which kind of XIN-XOUT oscillation circuit is used?

- | | |
|---|--|
| <input type="checkbox"/> Ceramic resonator | <input type="checkbox"/> Quartz-crystal oscillator |
| <input type="checkbox"/> External clock input | <input type="checkbox"/> Other () |

(2) What frequency do you use?

f(XIN) = MHz

※ 4. Comments