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.



RFJ19B0762-0100

RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT MICROCOMPUTER M30621MA-XXXGP MASK ROM CONFIRMATION FORM

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

	Date :	
±	Section head signature	Supervisor signature
Receipt		
Ř		

Note: Please complete all items marked %.

		Company		TEL			Submitted by	Supervisor
% Customer	Customer	name	()	ance			
	Customer	Date issued	Date:			lssu sign		

% 1. Check sheet

Name the product you order, and choose which to give in, EPROMs or floppy disks. If you order by means of EPROMs, three sets of EPROMs are required per pattern. If you order by means of floppy disks, one floppy disk is required per pattern.

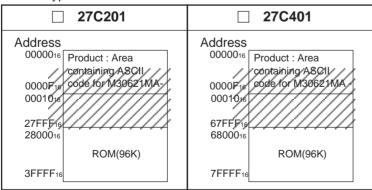
☐ In the case of EPROMs

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

Microcomputer type No.:	☐ M30621MA-XXXGP
Microcomputer type No	

Checksum code for total EPROM area : (hex)

EPROM type:



- (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 'M30621MA-' 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		
0000016	'M '	= 4D ₁₆
0000116	'3'	= 3316
0000216	'0'	= 3016
0000316	'6'	= 3616
0000416	'2'	= 3216
0000516	'1'	= 3116
0000616	'M '	= 4D ₁₆
0000716	'A'	= 4116

Address		
0000816		= 2D ₁₆
0000916		FF ₁₆
0000A ₁₆		FF ₁₆
0000B ₁₆		FF ₁₆
0000C ₁₆		FF ₁₆
0000D ₁₆		FF ₁₆
0000E ₁₆		FF ₁₆
0000F16		FF16



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Mask ROM number	

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	27C20	1		27C401
Code entered in source program	\triangle .SECTION \triangle ASCIIO \triangle .ORG \triangle 0C0000H \triangle .BYTE \triangle ' M30621		\triangle .ORG	TION \triangle ASCIICODE, ROM DATA \triangle 080000H E \triangle ' M30621MA- '
Note: The ROM of in the check	cannot be processed if the k sheet.	e type No. written to	the EPR	OM does not match the type No.
\Box In the case	of floppy disks			
the floppy disk there is any dis products we pr	s you give in to us, and f screpancy between the c oduce. Check thoroughl	forms them into mas contents of these may the contents of the	sks. Hence ask files ar e mask file	ation utilities out of those held on e, we assume liability provided that nd the ROM data to be burned into es you give in. e mask file in a floppy disk.
Microcompu	ter type No. :	M30621MA-XXXGF	o	
File code :				(hex)
Mask file nar	me:			.MSK (alpha-numeric 8-digit)
the separate ma for submission t	fication differs according ark specification sheet (fo	or each package), a	ttach that	entering the mark specification on sheet to this masking check sheet eet.
[∛] 3. Usage Conditi	ons			
For our reference the products yo		roducts, please repl	y to the fo	llowing questions about the usage of
(1) Which k	ind of XIN-XOUT oscillation	on circuit is used?		
	Ceramic resonator	☐ Quartz-crystal	oscillator	
□в	external clock input	\square Other ()	
What fre	equency do you use?			



MHz

f(XIN) =

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Mask ROM number	

(2)	Which kind of XCIN-XCOUT oscilla	tion circuit is used?	
	☐ Ceramic resonator	\square Quartz-crystal oscillator	
	☐ External clock input	□Other ()	
	What frequency do you use?		
	f(XCIN) = kHz		
(3)	Which operation mode do you us	e?	
	☐ Single-chip mode	☐ Memory expansion mode	Э
	☐ Microprocessor mode		
(4)	Which operating ambient tempera	ature do you use?	
	□-10 °C to 75 °C	□–20 °C to 75 °C	☐ –40 °C to 75 °C
	☐–10 °C to 85 °C	□–20 °C to 85 °C	☐ –40 °C to 85 °C
(5)	Which operating supply voltage d	o you use?	
	☐ 2.7V to 3.2V	☐3.2V to 3.7V	\square 3.7V to 4.2V
	☐ 4.2V to 4.7V	□4.7V to 5.2V	☐ 5.2V to 5.5V
Thank	you cooperation.		
	al item (Indicate none if there is no	o specified item)	

