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.



RFJ19B0759-0100

RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT MICROCOMPUTER M30620MA-XXXFP/GP MASK ROM CONFIRMATION FORM

Mask ROM number	

	Date :	
t t	Section head signature	Supervisor signature
Receipt		
<u>«</u>		

Note: Please complete all items marked ...

		Company		TEL			Submitted by	Supervisor
%	Customer	name		()	uance nature		
76 \	Gustomer	Date issued	Date :			Issu sign		

% 1. Check sheet

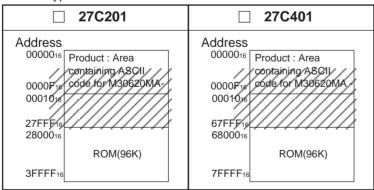
Name the product you order, and choose which to give in, EPROMs or floppy disks. If you order by means of EPROMs, three sets of EPROMs are required per pattern. If you order by means of floppy disks, one floppy disk is required per pattern.

☐ 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. :	☐ M30620MA-XXXFP	☐ M30620MA-XXXGP
Chookeum eada far ta	tal EDDOM area :	(hov)

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 'M30620MA-' 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	0	= 3016
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	FF ₁₆



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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			27C401
Code entered in source program		ASCIICODE, ROM DATA	△ .SECTION△ ASCIICODE, ROM DATA △ .ORG △ 080000H △ .BYTE △ ' M30620MA- '
Note: The ROM of in the check		ed if the type No. written to	the EPROM does not match the type No.
☐ In the case	of floppy disks		
the floppy disk there is any dis products we pr	s you give in to us screpancy betwee oduce. Check tho	s, and forms them into mas n the contents of these ma roughly the contents of the	file generation utilities out of those held on ks. Hence, we assume liability provided that ask files and the ROM data to be burned into a mask files you give in. The only one mask file in a floppy disk.
Microcompu	ter type No. :	☐ M30620MA-XXXFP	☐ M30620MA-XXXGP
File code :			(hex)
Mask file na	me :		.MSK (alpha-numeric 8-digit)
the separate ma for submission t For the M30620	fication differs acc ark specification sl o Renesas.	neet (for each package), a nit the 100P6S mark speci	age. After entering the mark specification on trach that sheet to this masking check sheet fication sheet. For the M30620MA-XXXGP,
	ons		
For our referen- the products yo		our products, please repl	y to the following questions about the usage o
(1) Which k	ind of XIN-XOUT o	scillation circuit is used?	
	Ceramic resonator	☐ Quartz-crystal	oscillator
	xternal clock inpu	t Other ()
What fre	equency do you us	se?	
f(XII	N) =	MHz	



REJ19B0759-0100

RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT MICROCOMPUTER M30620MA-XXXFP/GP MASK ROM CONFIRMATION FORM

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)	

