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.



740 FAMILY MASK ROM CONFIRMATION FORM SINGLE-CHIP MICROCOMPUTER M37160MF-XXXSP/FP RENESAS

ſ		Date:	
	₹	Section head signature	Supervisor signature
	Receipt		
	æ		

Note: Please fill in all items marked *.

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

*1. Confirmation

Specify the name of the product being ordered.

Three EPROMs are required for each pattern if this order is performed by EPROMs.

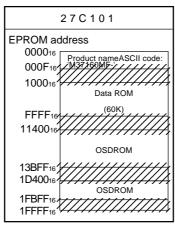
One floppy disk is required for each pattern if this order is performed by a floppy disk.

ı	Ordering	hv	EPROMs
	Ordering	υv	EPRONS

If at least two of the three sets of EPROMs submitted contain identical data, we will produce masks based on this data. We shall assume the responsibility for errors only if the mask ROM data on the products we produce differs from this data. Thus, extreme care must be taken to verify the data in the submitted EPROMs.

Checksum code for entire EPROM (hexadecimal notation)

EPROM type (indicate the type used)



(1) Set "FF16" in the shaded area.

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(2)	(2) Write the ASCII codes that indicate the product name of "M37160MF-" to addresses 000016 to 000F16					000F16.
	Addresses 0000 ₁₆ to 000F ₁₆ store the pro	oduct name.	Address		Address	
	ASCII codes 'M37160MF-' are listed on t	he right.	000016	'M' = 4D ₁₆	000816	'-' = 2D ₁₆
	The addresses and data are in hexadeci	mal notation.	000116	'3' = 33 ₁₆	000916	FF ₁₆
			000216	'7' = 37 16	000A ₁₆	FF ₁₆
			000316	'1' = 31 16	000B ₁₆	FF ₁₆
Note:	If the name of the product contained in th	e EPROMs does	000416	'6' = 36 ₁₆	000C16	FF ₁₆
	not match the name on the mask ROM of	onfirmation form,	000516	'0' = 30 ₁₆	000D16	FF ₁₆
	the ROM processing is disabled. Pleas	e make sure the	000616	'M' = 4D ₁₆	000E16	FF ₁₆
	data is written correctly.		000716	'F' = 4616	000F ₁₆	FF ₁₆
care i	ensibility for errors only if the mask ROI must be taken to verify the mask file in submitted floppy disk must be 3.5-inch loppy disk.	the submitted f	loppy disk.			
	File code				nal notation)	
	Mask file name			.MSK (equa	al or less than e	eight characters
2. Mark	specification					
Mark	specification must be submitted using	the correct forn	n for the type	of package beir	ng ordered. Fill	the appropriate
	specification form (42P4B for M3716	-			_	

*2

confirmation form.

*3. Comments

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Notes 1: The 80-byte addresses corresponding to the character code "7F16" and "8016" of a character font, 320-byte addresses corresponding to the character code "1516" and "2A16" of a color dot font, in OSD ROM are the test data storing area. Set data to the area as follows. Set "FF16" to the area (We stores the test data to this area and the different data from "FF16" is stored for the actual products.)

The test data storing area:

addresses 11000 16+(4+2n)X10016+FE16 to1100016+(5+2n)X10016+0116(n=0 to 19)

addresses 114FE 16 to 1150116
addresses 116FE 16 to 1170116
.
addresses 138FE 16 to 1390116
addresses 13AFE 16 to 13B0116

addresses 1D40016+8nX1016+2A16, 1D40016+8nX1016+2B16(n=0 to 79)

addresses 1D42A16 , 1D42B16
addresses 1D4AA16 , 1D4AB16

addresses 1FB2A16 , 1FB2B16
addresses 1FBAA16 , 1FBAB16

addresses 1D40016+8nX1016+5416, 1D40016+8nX1016+5516(n=0 to 79)

addresses 1D45416 , 1D45516
addresses 1D4D416 , 1D4D516

addresses 1FB5416 , 1FB5516
addresses 1FBD416 , 1FBD516

2: The character code "0916" is used for "transparent space".

Therefore, set "0016" to the 40-byte addresses corresponding to the character code "0916."

The transparent space font data storing area:

addresses 11000 16+(4+2n)×10016+1216 to 1100016+(4+2n)×10016+1316 (n=0 to 19)

addresses 11412 16 and 11413 16 addresses 11612 16 and 11613 16 • addresses 13812 16 and 13813 16 addresses 13A12 16 and 13A13 16