## Old Company Name in Catalogs and Other Documents

On April 1<sup>st</sup>, 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.

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April 1<sup>st</sup>, 2010 Renesas Electronics Corporation

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

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# 740 FAMILY MASK ROM CONFIRMATION FORM SINGLE-CHIP MICROCOMPUTER M37160MA-XXXSP/FP RENESAS

ſ		Date:	
	₹	Section head signature	Supervisor signature
	Receipt		
	æ		

Note: Please fill in all items marked \*.

*	Customer _	Company	ompany	TEL		Issuance signature	Submitted by	Supervisor
		name		(	)			
		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.

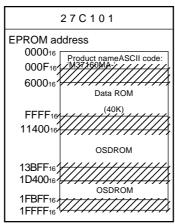
One floppy disk is required for each pattern if this order is performed by a floppy disk.

-1	Ordering	h,	EDDOM:
	 Oraenna	υv	EPROIVIS

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)	rite the ASCII codes that indicate the product name of "M37160MA-" to addresses 000016 to 000F16.						
	Addresses 0000 <sub>16</sub> to 000F <sub>16</sub> store the pro	oduct name.	Address		Address		
	ASCII codes 'M37160MA-' are listed on the	the right.	000016	'M' = 4D <sub>16</sub>	000816	'–' = 2D <sub>16</sub>	
	The addresses and data are in hexadeci	mal notation.	000116	<b>'3'</b> = <b>33</b> 16	000916	FF <sub>16</sub>	
			000216	<b>'7'</b> = 37 <sub>16</sub>	000A <sub>16</sub>	FF16	
			000316	'1' = 31 <sub>16</sub>	000B <sub>16</sub>	FF16	
Note:	If the name of the product contained in th	e EPROMs does	000416	'6' = 36 <sub>16</sub>	000C <sub>16</sub>	FF16	
not match the name on the mask ROM confirmation form,			000516	'0' = 30 <sub>16</sub>	000D <sub>16</sub>	FF16	
	the ROM processing is disabled. Please make sure the			'M' = 4D <sub>16</sub>	000E <sub>16</sub>	FF16	
	data is written correctly.		000716	'A' = 41 <sub>16</sub>	000F <sub>16</sub>	FF16	
We will produce masks based on the mask files generated by the mask file generating utility. We shall assume the responsibility for errors only if the mask ROM data on the products we produce differs from this mask file. Thus, extreme care must be taken to verify the mask file in the submitted floppy disk.  The submitted floppy disk must be 3.5-inch 2HD type and DOS/V format. And the number of the mask files must be 1 in one floppy disk.							
	File code (hexadecimal notation)  Mask file name .MSK (equal or less than eight chara						
2. Mark	specification						

#### \*2

Mark specification must be submitted using the correct form for the type of package being ordered. Fill the appropriate mark specification form (42P4B for M37160MA-XXXSP, 42P2R for M37160MA-XXXFP) and attach to the mask ROM confirmation form.

### \*3. Comments

## 740 FAMILY MASK ROM CONFIRMATION FORM SINGLE-CHIP MICROCOMPUTER M37160MA-XXXSP/FP RENESAS

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 11501 16
addresses 116FE 16 to 11701 16
.
addresses 138FE 16 to 13901 16
addresses 13AFE 16 to 13B01 16

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