

To our customers,

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## Old Company Name in Catalogs and Other Documents

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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.

Renesas Electronics website: <http://www.renesas.com>

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

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

Send any inquiries to <http://www.renesas.com/inquiry>.

Mask ROM number	
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**RENESAS TECHNOLOGY-CHIP 16-BIT  
MICROCOMPUTER M30280MAT-XXXHP  
MASK ROM CONFIRMATION FORM**

Receipt	Date:	
	Section head signature	Supervisor signature

Note : Please complete all items marked\*

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

**\*1. Check sheet**

Renesas processes the mask files generated by the mask file generation utilities 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 disks. And store only one mask file in a floppy disk.

Microcomputer type No.:       M30280MAT-XXXHP

File code:      

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 (hex)

Mask file name:      

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 .MSK (alpha-numeric 8-digit)

**\*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 M30280MAT-XXXHP, submit the 80P6Q 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 oscillation circuit is used?

- |  |  |
|--|--|
| <input type="checkbox"/> XIN-XOUT oscillator | <input type="checkbox"/> XCIN-XCOUT oscillator     |
| <input type="checkbox"/> On chip oscillator  | <input type="checkbox"/> PLL frequency synthesizer |

(2) 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 (                      ) |

What frequency do you use?

f(X<sub>IN</sub>) = 

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 MHz

Mask ROM number	
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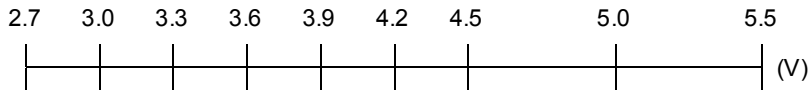
(3) Which kind of XCIN-XCOUT oscillation circuit is used?

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

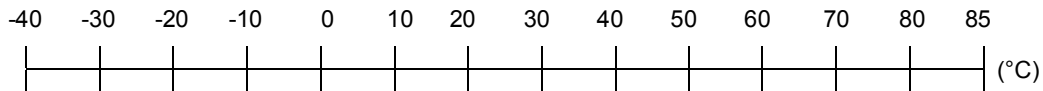
What frequency do you use?

f(XCIN) =  kHz

(4) Which operating supply voltage do you use?  
(Circle the operating voltage range of use)



(5) Which operating ambient temperature do you use?  
(Circle the operating temperature range of use)



(6) Do you use I<sup>2</sup>C (Inter IC) bus function?

- |                                  |                              |
|----------------------------------|------------------------------|
| <input type="checkbox"/> Not use | <input type="checkbox"/> Use |
|----------------------------------|------------------------------|

(7) Do you use IE (Inter Equipment) bus function?

- |                                  |                              |
|----------------------------------|------------------------------|
| <input type="checkbox"/> Not use | <input type="checkbox"/> Use |
|----------------------------------|------------------------------|

(8) Which Voltage Detection function do you use?

- |                                    |                                    |
|------------------------------------|------------------------------------|
| <input type="checkbox"/> Not use   | <input type="checkbox"/> Use Vdet4 |
| <input type="checkbox"/> Use Vdet3 |                                    |

Thank you cooperation.

\*4. Special item (Indicate none if there is not specified item)