

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>.

ROM number	
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**QzROM PROGRAMMING CONFIRMATION FORM**  
**SINGLE-CHIP 4-BIT MICROCOMPUTER**  
**M34508G4-XXXFP/GP**  
**RENESAS TECHNOLOGY**

Receipt	Date :	
	Section head signature	Supervisor signature

Note : Please fill in all items marked\*.

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

\*1. Confirmation

Specify the name of the product being ordered.  
The submitted floppy disk must be 3.5-inch 2HD type and DOS/V format if this order is performed by a floppy disk.  
And the number of the mask files must be 1 in one floppy disk.

Microcomputer name:       M34508G4-XXXFP       M34508G4-XXXGP

File code      

--	--	--	--	--	--	--	--

      (hexadecimal notation)

Mask file name      

--	--	--	--	--	--	--	--

      .MSK (equal or less than eight characters)

Note: Set "FF<sub>16</sub>" (the default) in the unused ROM area, when you generate mask files by the mask file converter MM.

**Notes (RENESAS → Customer)**

**1 : ROM data confirmation request**

QzROM programming will be processed based on the mask file generated by the mask file generating utility. Only in case when ROM data programmed in the actual mass produced product differs from that of above mentioned mask file, RENESAS takes the responsibility. There is no Engineering Sample, thus please confirm the ROM data at the receipt of the Initial product delivery.

**Should you find any problem, please return immediately. Two weeks without technical error feedback towards RENESAS will automatically be regarded as acceptance of products.**

**2 : ROM option("MASK option" written in the mask file converter MM)**

Either of the following data should be set to the ROM option data address (8000<sub>16</sub>) of the mask file you have ordered. **When you don't protect the ROM data, a third party can read out it.**

When ROM data is protected      

00 <sub>16</sub>
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      Address 8000<sub>16</sub>

When ROM data is not protected      

FF <sub>16</sub>
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      Address 8000<sub>16</sub>

**If you set except the above data or nothing at the ROM option data address (8000<sub>16</sub>), We can't generate the ROM data. Then we request to submit the data again.**

**3 : Mark specification**

You can appoint the mark by the mark specification form. Without submitting the mark specification form, your mark will be a standard mark. Please fill out the 20P2N-A MARK SPECIFICATION FORM for the M34508G4-XXXFP, the 20P2E/F-A MARK SPECIFICATION FORM for the M34508G4-XXXGP, and attach it when you submit the QzROM PROGRAMMING CONFIRMATION FORM. **We can't deal with special font marking(customer's trademark etc.) in QzROM microcomputer.**

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※2. Usage conditions

For our reference of new products, please reply to the following questions about the usage of the products you ordered.

(1) Which operation source clock you use?

- Ceramic resonator
- RC oscillation
- External clock input
- Other( )
- On-chip oscillator

What frequency do you use?

f(XIN) =  MHz

(2) What is the voltage of power supply (VDD) you use?

Typ. =  V      Min. =  V      Max. =  V

(3) What is the ambient temperature you use?

Typ. =  °C      Min. =  °C      Max. =  °C

(4) Do you use the RAM back-up mode (POF instruction)?

- Use       Not use

(5) Do you use the A/D converter?

- Use       Not use

(6) Do you use the Serial I/O?

- Use       Not use

Thank you cooperation.

※3. Comments