To our customers,

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.

RENESAS

ROM number	

QzROM PROGRAMMING CONFIRMATION FORM
SINGLE-CHIP 4-BIT MICROCOMPUTER
M34509G4-XXXFP
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

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.

File code ☐☐☐☐☐☐☐☐ (hexadecimal notation)

Mask file name ☐☐☐☐☐☐☐☐ .MSK (equal or less than eight characters)

Note: Set "FF_{16}" (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_{16}) 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_{16}**   **Address 8000_{16}**

When ROM data is not protected   **FF_{16}**   **Address 8000_{16}**

If you set except the above data or nothing at the ROM option data address (8000_{16}), 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 24P2Q-A MARK SPECIFICATION FORM for the M34509G4-XXXFP, 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.

ROM number	

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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?
$f(X_{IN})$ = [   ] MHz

(2) What is the voltage of power supply (V_{DD}) 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