

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 TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M306V3MG-XXXFP
MASK ROM CONFIRMATION FORM**

Mask ROM number		
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

Name the product you order, and choose which to give in, EPROMs or floppy disks.
If you order by means of EPROMs, three sets of EPROMs are required per pattern. If you order by means of floppy disks, one floppy disk is required per pattern.

In the case of EPROMs

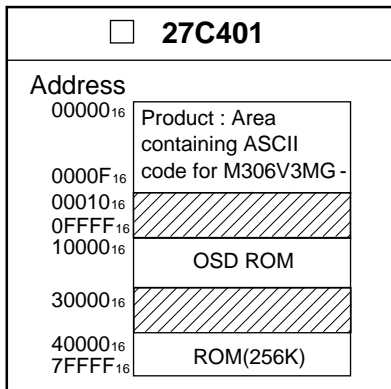
Renesas will create the mask using the data on the EPROMs supplied, providing the data is the same on at least two of those sets. Renesas will, therefore, only accept liability if there is any discrepancy between the data on the EPROM sets and the ROM data written to the product.
Please carefully check the data on the EPROMs being submitted to Renesas.

Checksum code for total EPROM area :

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 (hex)

EPROM type :



- The area from 00000₁₆ to 0000F₁₆ is for storing data on the product type name.
The ASCII code for 'M306V3MG-' is shown at right.
The data in this table must be written to address 00000₁₆ to 0000F₁₆.
Both address and data are shown in hex.
- Write "FF₁₆" to the lined area.

Address		Address
00000 ₁₆	'M' = 4D ₁₆	00008 ₁₆
00001 ₁₆	'3' = 33 ₁₆	00009 ₁₆
00002 ₁₆	'0' = 30 ₁₆	0000A ₁₆
00003 ₁₆	'6' = 36 ₁₆	0000B ₁₆
00004 ₁₆	'V' = 56 ₁₆	0000C ₁₆
00005 ₁₆	'3' = 33 ₁₆	0000D ₁₆
00006 ₁₆	'M' = 4D ₁₆	0000E ₁₆
00007 ₁₆	'G' = 47 ₁₆	0000F ₁₆
		'_' = 2D ₁₆
		FF ₁₆
		FF ₁₆
		FF ₁₆
		FF ₁₆
		FF ₁₆
		FF ₁₆
		FF ₁₆

**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M306V3MG-XXXFP
MASK ROM CONFIRMATION FORM**

- (3) Be sure to store “※F 16”(※ : Arbitrary data) in the following test font addresses in OSD ROM.
When producing OSD ROM data with the OSD font editor program of Renesas,
“※F16” is set automatically to these test font addresses.

(All addresses below are shown in hex.)

403F8	41601	42C02	443FF	45BFC	473F9	48602	49C03	4BC00	4E601	52002	57803	5D800
403F9	41602	42C03	44400	45BFD	473FA	48603	49E00	4BC01	4E602	52003	58000	5D801
403FA	41603	42E00	44401	45BFE	473FB	48BF8	49E01	4BC02	4E603	52800	58001	5D802
403FB	41BF8	42E01	44402	45BFF	473FC	48BF9	49E02	4BC03	4EC00	52801	58002	5D803
403FC	41BF9	42E02	44403	45C00	473FD	48BFA	49E03	4BE00	4EC01	52802	58003	5E000
403FD	41BFA	42E03	44600	45C01	473FE	48BFB	4A3F8	4BE01	4EC02	52803	58800	5E001
403FE	41BFB	433F8	44601	45C02	473FF	48BFC	4A3F9	4BE02	4EC03	53000	58801	5E002
403FF	41BFC	433F9	44602	45C03	47400	48bfd	4A3FA	4BE03	4EE00	53001	58802	5E003
40400	41bfd	433FA	44603	45E00	47401	48BFE	4A3FB	4C400	4EE01	53002	58803	5E800
40401	41BFE	433FB	44BF8	45E01	47402	48BFF	4A3FC	4C401	4EE02	53003	59000	5E801
40402	41BFF	433FC	44BF9	45E02	47403	48C00	4A3FD	4C402	4EE03	53800	59001	5E802
40403	41C00	433FD	44BFA	45E03	47600	48C01	4A3FE	4C403	4F400	53801	59002	5E803
40600	41C01	433FE	44BFB	463F8	47601	48C02	4A3FF	4C600	4F401	53802	59003	5F000
40601	41C02	433FF	44BFC	463F9	47602	48C03	4A400	4C601	4F402	53803	59800	5F001
40602	41C03	43400	44bfd	463FA	47603	48E00	4A401	4C602	4F403	54000	59801	5F002
40603	41E00	43401	44BFE	463FB	47BF8	48E01	4A402	4C603	4F600	54001	59802	5F003
40BF8	41E01	43402	44BFF	463FC	47BF9	48E02	4A403	4CC00	4F601	54002	59803	5F800
40BF9	41E02	43403	44C00	463FD	47BFA	48E03	4A600	4CC01	4F602	54003	5A000	5F801
40BFA	41E03	43600	44C01	463FE	47BFB	493F8	4A601	4CC02	4F603	54800	5A001	5F802
40BFB	423F8	43601	44C02	463FF	47BFC	493F9	4A602	4CC03	4FC00	54801	5A002	5F803
40BFC	423F9	43602	44C03	46400	47bfd	493FA	4A603	4CE00	4FC01	54802	5A003	
40bfd	423FA	43603	44E00	46401	47BFE	493FB	4ABF8	4CE01	4FC02	54803	5A800	
40BFE	423FB	43BF8	44E01	46402	47BFF	493FC	4ABF9	4CE02	4FC03	55000	5A801	
40BFF	423FC	43BF9	44E02	46403	47C00	493FD	4ABFA	4CE03	4FE00	55001	5A802	
40C00	423FD	43BFA	44E03	46600	47C01	493FE	4ABFB	4D400	4FE01	55002	5A803	
40C01	423FE	43BFB	453F8	46601	47C02	493FF	4ABFC	4D401	4FE02	55003	5B000	
40C02	423FF	43BFC	453F9	46602	47C03	49400	4ABFD	4D402	4FE03	55800	5B001	
40C03	42400	43bfd	453FA	46603	47E00	49401	4ABFE	4D403	50000	55801	5B002	
40E00	42401	43BFE	453FB	46BF8	47E01	49402	4ABFF	4D600	50001	55802	5B003	
40E01	42402	43BFF	453FC	46BF9	47E02	49403	4AC00	4D601	50002	55803	5B800	
40E02	42403	43C00	453FD	46BFA	47E03	49600	4AC01	4D602	50003	56000	5B801	
40E03	42600	43C01	453FE	46BFB	483F8	49601	4AC02	4D603	50800	56001	5B802	
413F8	42601	43C02	453FF	46BFC	483F9	49602	4AC03	4DC00	50801	56002	5B803	
413F9	42602	43C03	45400	46bfd	483FA	49603	4AE00	4DC01	50802	56003	5C000	
413FA	42603	43E00	45401	46BFE	483FB	49BF8	4AE01	4DC02	50803	56800	5C001	
413FB	42BF8	43E01	45402	46BFF	483FC	49BF9	4AE02	4DC03	51000	56801	5C002	
413FC	42BF9	43E02	45403	46C00	483FD	49BFA	4AE03	4DE00	51001	56802	5C003	
413FD	42BFA	43E03	45600	46C01	483FE	49BFB	4B400	4DE01	51002	56803	5C800	
413FE	42BFB	443F8	45601	46C02	483FF	49BFC	4B401	4DE02	51003	57000	5C801	
413FF	42BFC	443F9	45602	46C03	48400	49bfd	4B402	4DE03	51800	57001	5C802	
41400	42bfd	443FA	45603	46E00	48401	49BFE	4B403	4E400	51801	57002	5C803	
41401	42BFE	443FB	45BF8	46E01	48402	49BFF	4B600	4E401	51802	57003	5D000	
41402	42BFF	443FC	45BF9	46E02	48403	49C00	4B601	4E402	51803	57800	5D001	
41403	42C00	443FD	45BFA	46E03	48600	49C01	4B602	4E403	52000	57801	5D002	
41600	42C01	443FE	45BFB	473F8	48601	49C02	4B603	4E600	52001	57802	5D003	

**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M306V3MG-XXXXP
MASK ROM CONFIRMATION FORM**

- (4) Be sure to store "F*16" (*: Arbitrary data) in the following test font addresses in OSD ROM.
When producing OSD ROM data with the OSD font editor program of Renesas,
"F*16" is set automatically to these test font addresses.

(All addresses below are shown in hex.)

500FC	50CFF	51902	526FD	53300	54B03	558FE	56501	572FC	58AFF	59702	5A4FD	5B100	5C903	5D6FE	5E301	5F0FC
500FD	50D00	51903	526FE	53301	54CFC	558FF	56502	572FD	58B00	59703	5A4FE	5B101	5CAFC	5D6FF	5E302	5F0FD
500FE	50D01	51AFC	526FF	53302	54CFD	55900	56503	572FE	58B01	598FC	5A4FF	5B102	5CAFD	5D700	5E303	5F0FE
500FF	50D02	51AFD	52700	53303	54CFE	55901	566FC	572FF	58B02	598FD	5A500	5B103	5CAFE	5D701	5E4FC	5F0FF
50100	50D03	51AFE	52701	540FC	54CFF	55902	566FD	57300	58B03	598FE	5A501	5B2FC	5CAFF	5D702	5E4FD	5F100
50101	50EFC	51AFF	52702	540FD	54D00	55903	566FE	57301	58CFC	598FF	5A502	5B2FD	5CB00	5D703	5E4FE	5F101
50102	50EFD	51B00	52703	540FE	54D01	55AFC	566FF	57302	58CFD	59900	5A503	5B2FE	5CB01	5D8FC	5E4FF	5F102
50103	50EFE	51B01	528FC	540FF	54D02	55AFD	56700	57303	58CFE	59901	5A6FC	5B2FF	5CB02	5D8FD	5E500	5F103
502FC	50EFF	51B02	528FD	54100	54D03	55AFE	56701	580FC	58CFF	59902	5A6FD	5B300	5CB03	5D8FE	5E501	5F2FC
502FD	50F00	51B03	528FE	54101	54EFC	55AFF	56702	580FD	58D00	59903	5A6FE	5B301	5CCFC	5D8FF	5E502	5F2FD
502FE	50F01	51CFD	528FF	54102	54EFD	55B00	56703	580FE	58D01	59AFC	5A6FF	5B302	5CCFD	5D900	5E503	5F2FE
502FF	50F02	51CFD	52900	54103	54EFE	55B01	568FC	580FF	58D02	59AFD	5A700	5B303	5CCFE	5D901	5E6FC	5F2FF
50300	50F03	51CFE	52901	542FC	54EFF	55B02	568FD	58100	58D03	59AFE	5A701	5C0FC	5CCFF	5D902	5E6FD	5F300
50301	510FC	51CFF	52902	542FD	54F00	55B03	568FE	58101	58EFC	59AFF	5A702	5C0FD	5CD00	5D903	5E6FE	5F301
50302	510FD	51D00	52903	542FE	54F01	55CFC	568FF	58102	58EFD	59B00	5A703	5C0FE	5CD01	5DAFC	5E6FF	5F302
50303	510FE	51D01	52AFC	542FF	54F02	55CFD	56900	58103	58EFE	59B01	5A8FC	5C0FF	5CD02	5DAFD	5E700	5F303
504FC	510FF	51D02	52AFD	54300	54F03	55CFE	56901	582FC	58EFF	59B02	5A8FD	5C100	5CD03	5DAFE	5E701	
504FD	51100	51D03	52AFE	54301	550FC	55CFF	56902	582FD	58F00	59B03	5A8FE	5C101	5CEFC	5DAFF	5E702	
504FE	51101	51EFC	52AFF	54302	550FD	55D00	56903	582FE	58F01	59CFC	5A8FF	5C102	5CEFD	5DB00	5E703	
504FF	51102	51EFD	52B00	54303	550FE	55D01	56AFC	582FF	58F02	59CFD	5A900	5C103	5CEFE	5DB01	5E8FC	
50500	51103	51EFE	52B01	544FC	550FF	55D02	56AFD	58300	58F03	59CFE	5A901	5C2FC	5CEFF	5DB02	5E8FD	
50501	512FC	51EFF	52B02	544FD	55100	55D03	56AFE	58301	590FC	59CFF	5A902	5C2FD	5CF00	5DB03	5E8FE	
50502	512FD	51F00	52B03	544FE	55101	55EFC	56AFF	58302	590FD	59D00	5A903	5C2FE	5CF01	5DCF0	5E8FF	
50503	512FE	51F01	52CFC	544FF	55102	55EFD	56B00	58303	590FE	59D01	5AAFC	5C2FF	5CF02	5DCFD	5E900	
506FC	512FF	51F02	52CFD	54500	55103	55EFE	56B01	584FC	590FF	59D02	5AAFD	5C300	5CF03	5DCFE	5E901	
506FD	51300	51F03	52CFE	54501	552FC	55EFF	56B02	584FD	59100	59D03	5AAFE	5C301	5D0FC	5DCFF	5E902	
506FE	51301	520FC	52CFF	54502	552FD	55F00	56B03	584FE	59101	59EFC	5AAFF	5C302	5D0FD	5DD00	5E903	
506FF	51302	520FD	52D00	54503	552FE	55F01	56CFC	584FF	59102	59EFD	5AB00	5C303	5D0FE	5DD01	5E904	
50700	51303	520FE	52D01	546FC	552FF	55F02	56CFD	58500	59103	59EFE	5AB01	5C4FC	5D0FF	5DD02	5E905	
50701	514FC	520FF	52D02	546FD	55300	55F03	56CFE	58501	592FC	59EFF	5AB02	5C4FD	5D100	5DD03	5E906	
50702	514FD	52100	52D03	546FE	55301	560FC	56CFF	58502	592FD	59F00	5AB03	5C4FE	5D101	5DEF0	5E907	
50703	514FE	52101	52EFC	546FF	55302	560FD	56D00	58503	592FE	59F01	5ACFC	5C4FF	5D102	5DEF1	5E908	
508FC	514FF	52102	52EFD	54700	55303	560FE	56D01	586FC	592FF	59F02	5ACFD	5C500	5D103	5DEF2	5E909	
508FD	51500	52103	52EFE	54701	554FC	560FF	56D02	586FD	59300	59F03	5ACFE	5C501	5D2FC	5DEFF	5E910	
508FE	51501	522FC	52EFF	54702	554FD	56100	56D03	586FE	59301	5A0FC	5ACFF	5C502	5D2FD	5DF00	5E911	
508FF	51502	522FD	52F00	54703	554FE	56101	56EFC	586FF	59302	5A0FD	5AD00	5C503	5D2FE	5DF01	5E912	
50900	51503	522FE	52F01	548FC	554FF	56102	56EFD	58700	59303	5A0FE	5AD01	5C6FC	5D2FF	5DF02	5E913	
50901	516FC	522FF	52F02	548FD	55500	56103	56EFE	58701	594FC	5A0FF	5AD02	5C6FD	5D300	5DF03	5E914	
50902	516FD	52300	52F03	548FE	55501	562FC	56EFF	58702	594FD	5A100	5AD03	5C6FE	5D301	5E0FC	5E915	
50903	516FE	52301	530FC	548FF	55502	562FD	56F00	58703	594FE	5A101	5AEFC	5C6FF	5D302	5E0FD	5E916	
50AFC	516FF	52302	530FD	54900	55503	562FE	56F01	588FC	594FF	5A102	5AEFD	5C700	5D303	5E0FE	5E917	
50AFD	51700	52303	530FE	54901	556FC	562FF	56F02	588FD	59500	5A103	5AEFE	5C701	5D4FC	5E0FF	5E918	
50AFE	51701	524FC	530FF	54902	556FD	56300	56F03	588FE	59501	5A2FD	5AEFF	5C702	5D4FD	5E100	5E919	
50AFF	51702	524FD	53100	54903	556FE	56301	570FC	588FF	59502	5A2FD	5AF00	5C703	5D4FE	5E101	5EEFC	
50B00	51703	524FE	53101	54AFC	556FF	56302	570FD	58900	59503	5A2FE	5AF01	5C8FC	5D4FF	5E102	5EEFD	
50B01	518FC	524FF	53102	54AFD	55700	56303	570FE	58901	596FC	5A2FF	5AF02	5C8FD	5D500	5E103	5EEFE	
50B02	518FD	52500	53103	54AFE	55701	564FC	570FF	58902	596FD	5A300	5AF03	5C8FE	5D501	5E2FC	5EEFF	
50B03	518FE	52501	532FC	54AFF	55702	564FD	57100	58903	596FE	5A301	5B0FC	5C8FF	5D502	5E2FD	5EF00	
50CFC	518FF	52502	532FD	54B00	55703	564FE	57101	58AFC	596FF	5A302	5B0FD	5C900	5D503	5E2FE	5EF01	
50CFD	51900	52503	532FE	54B01	558FC	564FF	57102	58AFD	59700	5A303	5B0FE	5C901	5D6FC	5E2FF	5EF02	
50CFE	51901	526FC	532FF	54B02	558FD	56500	57103	58AFE	59701	5A4FC	5B0FF	5C902	5D6FD	5E300	5EF03	

Mask ROM number	
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**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M306V3MG-XXXFP
MASK ROM CONFIRMATION FORM**

The ASCII code for the type No. can be written to EPROM addresses 0000₁₆ to 0000F₁₆ by specifying the pseudo-instructions shown in the following table at the beginning of the assembler source program.

EPROM type	27C401
Code entered in source program	△.SECTION △ASCII CODE, ROM DATA △.ORG △080000H △.BYTE △ ' M306V3MG- '

Note: The ROM cannot be processed if the type No. written to the EPROM does not match the type No. in the check sheet.

In the case of floppy disks

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.

File code :

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 (hex)

Mask file name :

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 MSK (alpha-numeric 8-digit)

Note: When using the floppy disks, do not store the type No. to addresses 0000₁₆ to 0000F₁₆.

※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 M306V3MG-XXXFP, submit the 100P6S mark specification sheet.

Mask ROM number	
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**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M306V3MG-XXXFP
MASK ROM CONFIRMATION FORM**

(1) Which kind of X_{IN} -X_{OUT} oscillation circuit is used?

- Ceramic resonator Quartz-crystal oscillator
 External clock input Other ()

What frequency do you use?

f(X_{IN}) = MHz

(2) Which kind of X_{CIN}-X_{COUT} oscillation circuit is used?

- Ceramic resonator Quartz-crystal oscillator
 External clock input Other ()

What frequency do you use?

f(X_{CIN}) = kHz

(3) Which kind of OSC1-OSC2 oscillation circuit is used?

- LC oscillator Ceramic resonator
 External clock input Internal oscillator Other ()

What frequency do you use?

f(osc) = MHz

※ (4) Which operation mode do you use?

- Single-chip mode Memory expansion mode
 Microprocessor mode

4. Special item (Indicate none if there is no specified item)

Thank you cooperation.