

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>.

REJ19B0754-0100

**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
 MICROCOMPUTER M306V0ME-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

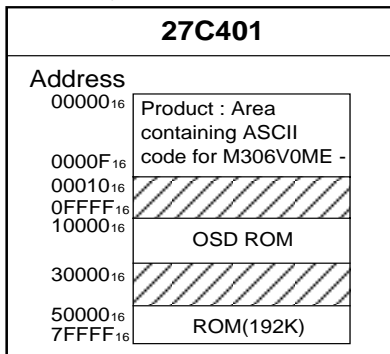
Renesas will create the mask using the data on the EPROMs supplied, providing the data is the same on at least two of those sets. Renesas will, therefore, only accept liability if there is any discrepancy between the data on the EPROM sets and the ROM data written to the product. Please carefully check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

Checksum code for total EPROM area :

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

 (hex)

EPROM type :



- (1) The area from 00000₁₆ to 0000F₁₆ is for storing data on the product type name.
 The ASCII code for 'M306V0ME-' 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.
- (2) Write "FF₁₆" to the lined area.

| | | | | | | | | | | | | | | | | | | | |
|---|---------|--|--|--|--|--|--|--|--|---|---------|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Address</td></tr> <tr><td style="padding: 2px;">00000₁₆ 'M' = 4D₁₆</td></tr> <tr><td style="padding: 2px;">00001₁₆ '3' = 33₁₆</td></tr> <tr><td style="padding: 2px;">00002₁₆ '0' = 30₁₆</td></tr> <tr><td style="padding: 2px;">00003₁₆ '6' = 36₁₆</td></tr> <tr><td style="padding: 2px;">00004₁₆ 'V' = 56₁₆</td></tr> <tr><td style="padding: 2px;">00005₁₆ '0' = 30₁₆</td></tr> <tr><td style="padding: 2px;">00006₁₆ 'M' = 4D₁₆</td></tr> <tr><td style="padding: 2px;">00007₁₆ 'E' = 45₁₆</td></tr> </table> | Address | 00000 ₁₆ 'M' = 4D ₁₆ | 00001 ₁₆ '3' = 33 ₁₆ | 00002 ₁₆ '0' = 30 ₁₆ | 00003 ₁₆ '6' = 36 ₁₆ | 00004 ₁₆ 'V' = 56 ₁₆ | 00005 ₁₆ '0' = 30 ₁₆ | 00006 ₁₆ 'M' = 4D ₁₆ | 00007 ₁₆ 'E' = 45 ₁₆ | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Address</td></tr> <tr><td style="padding: 2px;">00008₁₆ '—' = 2D₁₆</td></tr> <tr><td style="padding: 2px;">00009₁₆ FF₁₆</td></tr> <tr><td style="padding: 2px;">0000A₁₆ FF₁₆</td></tr> <tr><td style="padding: 2px;">0000B₁₆ FF₁₆</td></tr> <tr><td style="padding: 2px;">0000C₁₆ FF₁₆</td></tr> <tr><td style="padding: 2px;">0000D₁₆ FF₁₆</td></tr> <tr><td style="padding: 2px;">0000E₁₆ FF₁₆</td></tr> <tr><td style="padding: 2px;">0000F₁₆ FF₁₆</td></tr> </table> | Address | 00008 ₁₆ '—' = 2D ₁₆ | 00009 ₁₆ FF ₁₆ | 0000A ₁₆ FF ₁₆ | 0000B ₁₆ FF ₁₆ | 0000C ₁₆ FF ₁₆ | 0000D ₁₆ FF ₁₆ | 0000E ₁₆ FF ₁₆ | 0000F ₁₆ FF ₁₆ |
| Address | | | | | | | | | | | | | | | | | | | |
| 00000 ₁₆ 'M' = 4D ₁₆ | | | | | | | | | | | | | | | | | | | |
| 00001 ₁₆ '3' = 33 ₁₆ | | | | | | | | | | | | | | | | | | | |
| 00002 ₁₆ '0' = 30 ₁₆ | | | | | | | | | | | | | | | | | | | |
| 00003 ₁₆ '6' = 36 ₁₆ | | | | | | | | | | | | | | | | | | | |
| 00004 ₁₆ 'V' = 56 ₁₆ | | | | | | | | | | | | | | | | | | | |
| 00005 ₁₆ '0' = 30 ₁₆ | | | | | | | | | | | | | | | | | | | |
| 00006 ₁₆ 'M' = 4D ₁₆ | | | | | | | | | | | | | | | | | | | |
| 00007 ₁₆ 'E' = 45 ₁₆ | | | | | | | | | | | | | | | | | | | |
| Address | | | | | | | | | | | | | | | | | | | |
| 00008 ₁₆ '—' = 2D ₁₆ | | | | | | | | | | | | | | | | | | | |
| 00009 ₁₆ FF ₁₆ | | | | | | | | | | | | | | | | | | | |
| 0000A ₁₆ FF ₁₆ | | | | | | | | | | | | | | | | | | | |
| 0000B ₁₆ FF ₁₆ | | | | | | | | | | | | | | | | | | | |
| 0000C ₁₆ FF ₁₆ | | | | | | | | | | | | | | | | | | | |
| 0000D ₁₆ FF ₁₆ | | | | | | | | | | | | | | | | | | | |
| 0000E ₁₆ FF ₁₆ | | | | | | | | | | | | | | | | | | | |
| 0000F ₁₆ FF ₁₆ | | | | | | | | | | | | | | | | | | | |

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**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M306V0ME-XXXFP
MASK ROM CONFIRMATION FORM**

| | |
|-----------------|--|
| Mask ROM number | |
|-----------------|--|

(3) Be sure to store "FF 16" in the following test font addresses in OSD ROM.

When producing OSD ROM data with the OSD font editor program of Renesas,
"FF16" is set automatically to these test font addresses.

(All addresses below are shown in hex.)

| | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1007E | 1007F | 1207E | 1207F | 1407E | 1407F | 20400 | 20401 | 20600 | 20601 | 213F8 | 213F9 | 213FC | 213FD |
| 1017E | 1017F | 1217E | 1217F | 1417E | 1417F | 21400 | 21401 | 21600 | 21601 | 223F8 | 223F9 | 223FC | 223FD |
| 1027E | 1027F | 1227E | 1227F | 1427E | 1427F | 22400 | 22401 | 22600 | 22601 | 233F8 | 233F9 | 233FC | 233FD |
| 1037E | 1037F | 1237E | 1237F | 1437E | 1437F | 23400 | 23401 | 23600 | 23601 | 243F8 | 243F9 | 243FC | 243FD |
| 1047E | 1047F | 1247E | 1247F | 1447E | 1447F | 24400 | 24401 | 24600 | 24601 | 253F8 | 253F9 | 253FC | 253FD |
| 1057E | 1057F | 1257E | 1257F | 1457E | 1457F | 25400 | 25401 | 25600 | 25601 | 263F8 | 263F9 | 263FC | 263FD |
| 1067E | 1067F | 1267E | 1267F | 1467E | 1467F | 26400 | 26401 | 26600 | 26601 | 273F8 | 273F9 | 273FC | 273FD |
| 1077E | 1077F | 1277E | 1277F | 1477E | 1477F | 27400 | 27401 | 27600 | 27601 | 283F8 | 283F9 | 283FC | 283FD |
| 1087E | 1087F | 1287E | 1287F | 1487E | 1487F | 28400 | 28401 | 28600 | 28601 | 293F8 | 293F9 | 293FC | 293FD |
| 1097E | 1097F | 1297E | 1297F | 1497E | 1497F | 29400 | 29401 | 29600 | 29601 | 2A3F8 | 2A3F9 | 2A3FC | 2A3FD |
| 10A7E | 10A7F | 12A7E | 12A7F | 14A7E | 14A7F | 2A400 | 2A401 | 2A600 | 2A601 | 21BF8 | 21BF9 | 21BFC | 21BFD |
| 10B7E | 10B7F | 12B7E | 12B7F | 14B7E | 14B7F | 2B400 | 2B401 | 2B600 | 2B601 | 22BF8 | 22BF9 | 22BFC | 22BFD |
| 10C7E | 10C7F | 12C7E | 12C7F | 14C7E | 14C7F | 2C400 | 2C401 | 2C600 | 2C601 | 23BF8 | 23BF9 | 23BFC | 23BFD |
| 10D7E | 10D7F | 12D7E | 12D7F | 14D7E | 14D7F | 2D400 | 2D401 | 2D600 | 2D601 | 24BF8 | 24BF9 | 24BFC | 24BFD |
| 10E7E | 10E7F | 12E7E | 12E7F | 14E7E | 14E7F | 2E400 | 2E401 | 2E600 | 2E601 | 25BF8 | 25BF9 | 25BFC | 25BFD |
| 10F7E | 10F7F | 12F7E | 12F7F | 14F7E | 14F7F | 2F400 | 2F401 | 2F600 | 2F601 | 26BF8 | 26BF9 | 26BFC | 26BFD |
| 1107E | 1107F | 1307E | 1307F | 1507E | 1507F | 20C00 | 20C01 | 20E00 | 20E01 | 27BF8 | 27BF9 | 27BFC | 27BFD |
| 1117E | 1117F | 1317E | 1317F | 1517E | 1517F | 21C00 | 21C01 | 21E00 | 21E01 | 28BF8 | 28BF9 | 28BFC | 28BFD |
| 1127E | 1127F | 1327E | 1327F | 1527E | 1527F | 22C00 | 22C01 | 22E00 | 22E01 | 29BF8 | 29BF9 | 29BFC | 29BFD |
| 1137E | 1137F | 1337E | 1337F | 1537E | 1537F | 23C00 | 23C01 | 23E00 | 23E01 | 2ABF8 | 2ABF9 | 2ABFC | 2ABFD |
| 1147E | 1147F | 1347E | 1347F | 1547E | 1547F | 24C00 | 24C01 | 24E00 | 24E01 | | | | |
| 1157E | 1157F | 1357E | 1357F | 1557E | 1557F | 25C00 | 25C01 | 25E00 | 25E01 | | | | |
| 1167E | 1167F | 1367E | 1367F | 1567E | 1567F | 26C00 | 26C01 | 26E00 | 26E01 | | | | |
| 1177E | 1177F | 1377E | 1377F | 1577E | 1577F | 27C00 | 27C01 | 27E00 | 27E01 | | | | |
| 1187E | 1187F | 1387E | 1387F | 1587E | 1587F | 28C00 | 28C01 | 28E00 | 28E01 | | | | |
| 1197E | 1197F | 1397E | 1397F | 1597E | 1597F | 29C00 | 29C01 | 29E00 | 29E01 | | | | |
| | | | | | | 2AC00 | 2AC01 | 2AE00 | 2AE01 | | | | |
| 10082 | 10083 | 12082 | 12083 | 14082 | 14083 | 2BC00 | 2BC01 | 2BE00 | 2BE01 | | | | |
| 10182 | 10183 | 12182 | 12183 | 14182 | 14183 | 2CC00 | 2CC01 | 2CE00 | 2CE01 | | | | |
| 10282 | 10283 | 12282 | 12283 | 14282 | 14283 | 2DC00 | 2DC01 | 2DE00 | 2DE01 | | | | |
| 10382 | 10383 | 12382 | 12383 | 14382 | 14383 | 2EC00 | 2EC01 | 2EE00 | 2EE01 | | | | |
| 10482 | 10483 | 12482 | 12483 | 14482 | 14483 | 2FC00 | 2FC01 | 2FE00 | 2FE01 | | | | |
| 10582 | 10583 | 12582 | 12583 | 14582 | 14583 | 10000 | 10800 | 10001 | 10801 | | | | |
| 10682 | 10683 | 12682 | 12683 | 14682 | 14683 | 11000 | 11800 | 11001 | 11801 | | | | |
| 10782 | 10783 | 12782 | 12783 | 14782 | 14783 | 12000 | 12800 | 12001 | 12801 | | | | |
| 10882 | 10883 | 12882 | 12883 | 14882 | 14883 | 13000 | 13800 | 13001 | 13801 | | | | |
| 10982 | 10983 | 12982 | 12983 | 14982 | 14983 | 14000 | 14800 | 14001 | 14801 | | | | |
| 10A82 | 10A83 | 12A82 | 12A83 | 14A82 | 14A83 | 15000 | 15800 | 15001 | 15801 | | | | |
| 10B82 | 10B83 | 12B82 | 12B83 | 14B82 | 14B83 | 16000 | 16800 | 16001 | 16801 | | | | |
| 10C82 | 10C83 | 12C82 | 12C83 | 14C82 | 14C83 | 17000 | 17800 | 17001 | 17801 | | | | |
| 10D82 | 10D83 | 12D82 | 12D83 | 14D82 | 14D83 | 18000 | 18800 | 18001 | 18801 | | | | |
| 10E82 | 10E83 | 12E82 | 12E83 | 14E82 | 14E83 | 19000 | 19800 | 19001 | 19801 | | | | |
| 10F82 | 10F83 | 12F82 | 12F83 | 14F82 | 14F83 | 1A000 | 1A800 | 1A001 | 1A801 | | | | |
| 11082 | 11083 | 13082 | 13083 | 15082 | 15083 | 1B000 | 1B800 | 1B001 | 1B801 | | | | |
| 11182 | 11183 | 13182 | 13183 | 15182 | 15183 | 1C000 | 1C800 | 1C001 | 1C801 | | | | |
| 11282 | 11283 | 13282 | 13283 | 15282 | 15283 | 1D000 | 1D800 | 1D001 | 1D801 | | | | |
| 11382 | 11383 | 13382 | 13383 | 15382 | 15383 | 1E000 | 1E800 | 1E001 | 1E801 | | | | |
| 11482 | 11483 | 13482 | 13483 | 15482 | 15483 | 1F000 | 1F800 | 1F001 | 1F801 | | | | |
| 11582 | 11583 | 13582 | 13583 | 15582 | 15583 | | | | | | | | |
| 11682 | 11683 | 13682 | 13683 | 15682 | 15683 | | | | | | | | |
| 11782 | 11783 | 13782 | 13783 | 15782 | 15783 | | | | | | | | |
| 11882 | 11883 | 13882 | 13883 | 15882 | 15883 | | | | | | | | |
| 11982 | 11983 | 13982 | 13983 | 15982 | 15983 | | | | | | | | |

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**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M306V0ME-XXXFP
MASK ROM CONFIRMATION FORM**

| | |
|-----------------|--|
| Mask ROM number | |
|-----------------|--|

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 △' M306V0ME- ' |

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 :

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

 (hex)

Mask file name :

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

 .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 M306V0ME-XXXFP, submit the 100P6S mark specification sheet.

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**RENESAS TECHNOLOGY SINGLE-CHIP 16-BIT
MICROCOMPUTER M306V0ME-XXXFP
MASK ROM CONFIRMATION FORM**

| | |
|-----------------|--|
| Mask ROM number | |
|-----------------|--|

※ 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 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_{COU}T oscillation circuit is used?

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

What frequency do you use?

f(X_{CIN}) = kHz

(3) Which operation mode do you use?

- Single-chip mode Memory expansion mode
Microprocessor mode

Thank you cooperation.

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