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

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### Notice about the flag bit of DMAC

**Title:** Notice about the flag bit of DMAC (SH7670 Group, SH7710 Group, SH7712, SH7713, SH7619 Group, SH7641)

**Product Category:** MPU&MCU

<table>
<thead>
<tr>
<th>Applicable Product</th>
<th>Lot No.</th>
<th>Reference Document</th>
</tr>
</thead>
<tbody>
<tr>
<td>R5S7670B200BG</td>
<td>R5S76190B125BG</td>
<td>SH7670 Group Hardware Manual Rev.1.00 (REJ09B0437-0100)</td>
</tr>
<tr>
<td>R5S7670D133BG</td>
<td>R5S76190B125BG</td>
<td>SH7710 Group Hardware Manual Rev.2.00 (REJ09B0079-0200)</td>
</tr>
<tr>
<td>R5S7671B200BG</td>
<td>R5S76190D125BG</td>
<td>SH7712 Hardware Manual Rev.1.00 (REJ09B0269-0100)</td>
</tr>
<tr>
<td>R5S7671D133BG</td>
<td>R5S76190D125BG</td>
<td>SH7713 Hardware Manual Rev.1.50 (REJ09B0288-0150)</td>
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<tr>
<td>R5S76190B125BG</td>
<td>R5S76191B125BG</td>
<td>SH7619 Group Hardware Manual Rev.5.00 (REJ09B0237-0500)</td>
</tr>
<tr>
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<td>R5S76191B125BG</td>
<td>SH7641 Hardware Manual Rev.2.00 (REJ09B0346-0200)</td>
</tr>
</tbody>
</table>

**[Notice]**

About the NMIF bit (NMIF Flag) of DMA Operation Register (DMACOR) in DMAC,

Just when a flag is set to 1, if the flag is read, the read data will be 0, but the internal state will be the same as reading 1.

In that case, if the flag is written 0, the flag will be cleared as 0, because the internal state is the same as reading 1.

**[Workaround]**

In the case of using a flag of DMAC, to protect unintended bit clear to 0, please write it as following.

1) In the case of intended bit clear, please write 0 after reading 1 to the flag.

2) In the other cases, please write 1 to the flag.

If the flag is not used, it is no problem to write 0 to flag (in the case of intended bit clear, write 0 after reading 1 to the flag).

- End of report -