

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>

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# MESC TECHNICAL NEWS

No. GENE-21-0108

## Notes for LCDRAM updating of built-in LCD controller/driver microcomputer.

### Classification

Corrections and supplementary  
explanation of document

✓ Notes

Knowhow

Others

### Concerned Products

Built-in LCD controller/driver microcomputer

4 bit : 720 series, 4500 series

8 bit : 740 family

16 bit : M30220 group, M30221 group

### [Note]

When a LCD indication function was used, be sure to write the confirmed data if writing a data into the LCDRAM during LCD being turned ON. Do not update temporarily on the LCDRAM.

### [Software treatment example]

Use the flow chart shown by "Figure 1. Process example 1" when you write a data into the LCDRAM.

Do not use the flow chart shown by "Figure 2. Process example 2" to write a data into the LCDRAM, because this might cause the LCD display flickering.

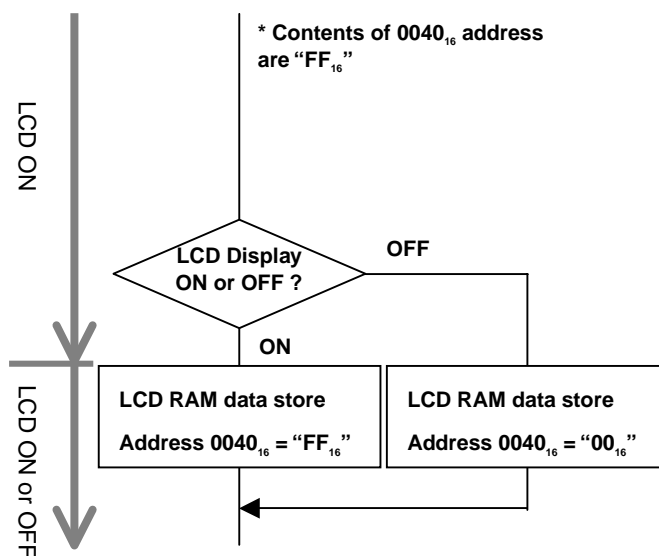


Figure 1. Process example 1  
(right)

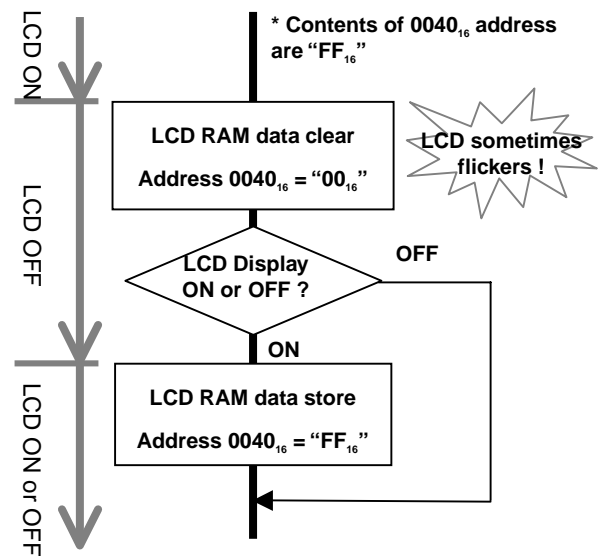


Figure 2. Process example 2  
(error)