

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>

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Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	21 September 2001	No.	TN-SH7-358 A/E
THEME	SH7727 usage notice on starting LCDC re-display operation .		
CLASSIFICATION	<input type="checkbox"/> Spec change <input checked="" type="checkbox"/> Limitation on Use <input type="checkbox"/> Supplement of Documents		
PRODUCT NAME	HD6417727	Lot No. etc	
REFERENCE DOCUMENTS	SH7727 Hardware Manual	Rev.	Effective Date
		1	Eternity

HD6417727 has the following usage notice .

1. phenomenon :

In case of using STN/DualSTN panel, when LCDC restarts display operation after the display stop , it may not display coloring correctly .

2. work around :

DON2 setting is added to the process of LCDC display starting up operation . Starting LCDC display operation , both DON bit (bit0) and DON2 bit (bit4) in LCDC control register (LDCNTR) should be set to "1" .

The specification of DON2 (display on 2) is as follows .

- This is assist bit of starting LCDC display operation.
- This bit is bit4 in LCDC control register (LDCNTR) .
- Initial value is "0".
- This bit is always read as "0".
- The write value should be "1" , only starting LCDC display operation .
 When this bit is written to "1" at not starting LCDC display operation , the LCDC operation is not guaranteed .
 This bit need not to be written to "0" for clearing "1" , because this bit become "0" automatically after written to "1" .