

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>.

HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	19 December 2001	No.	TN-SH7-388A/E	
THEME	Change of the specification of internal power supply voltage.			
CLASSIFICATION	<input checked="" type="checkbox"/> Spec change <input type="checkbox"/> Limitation on Use <input type="checkbox"/> Supplement of Documents			
PRODUCTNAME	HD6417751VF133	Lot No.etc.	All	
REFERENCE DOCUMENTS	HD6417751 Hardware manual	Rev.	EffectiveDate	eternity
		Rev.1.0-2.0	From	

1. Abstract

The specification of internal power supply voltage is changed.

2. New specification

The specification of internal power supply voltage is changed as the following table.

In the table, V_{DD} and V_{DD-PLL1/2} are changed from "1.35 - 1.65V" to "1.4 - 1.6V".

Table.1 DC Characteristics(Ta=-20 to +75°C)

Item	Symbol	Min	Typ	Max	Unit	Test Conditions
Power supply voltage	V _{DDQ}	3.0	3.3	3.6	V	Normal mode, sleep mode, standby mode
	V _{DD-CPG} V _{DD-RTC}					
	V _{DD} V _{DD-PLL1/2}	1.4	1.5	1.6	V	Normal mode, sleep mode, standby mode