

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>)

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HITACHI SEMICONDUCTOR TECHNICAL UPDATE

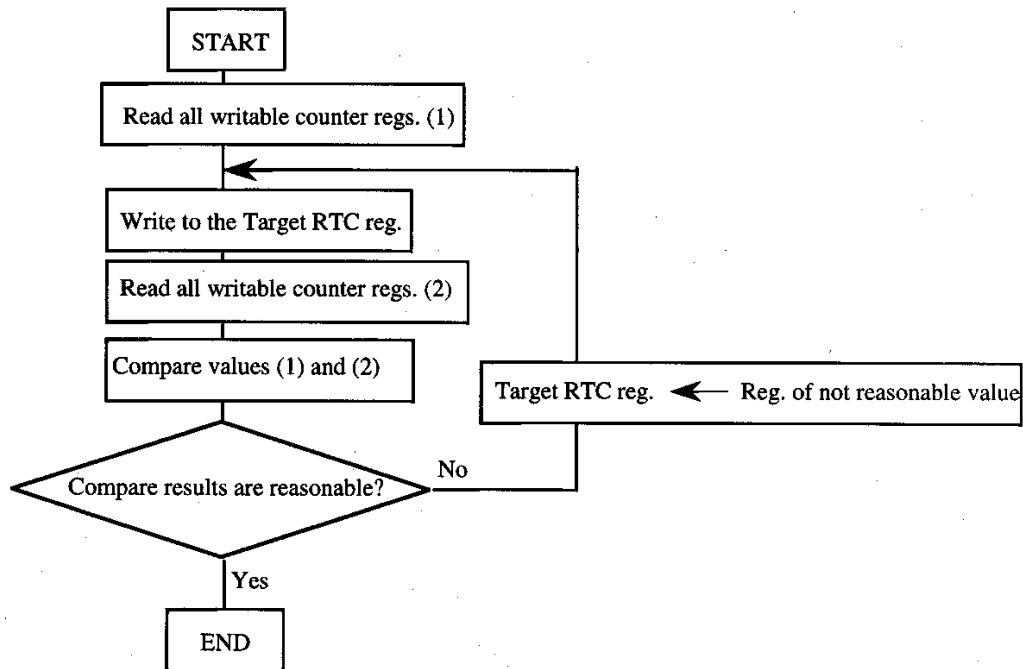
DATE	9th April, 1999	No.	TN-SH7 -140 A /E
THEME	Write to RTC registers		
CLASSIFICATION	<input type="checkbox"/> Spec. change <input type="checkbox"/> Supplement of Documents <input checked="" type="checkbox"/> Limitation on Use		
PRODUCT NAME	HD6417091BP200, HD6417091RBP200, HD6417750BP200, HD6417750F167, HD6417750VF128		
REFERENCE DOCUMENTS	SH7091 Hardware Manual, SH7091 Programming Manual, SH7750 Hardware Manual, SH7750 Programming Manual	Effective Date	eternity
		From	

RTC registers write

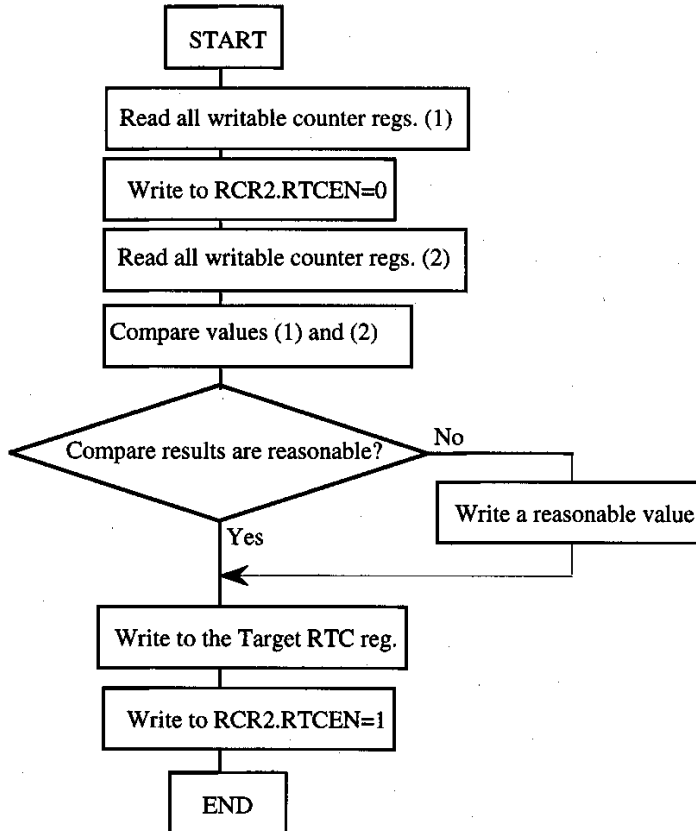
The one of the following 3 methods must be performed to write RTC registers. If the methods are not performed, the values of some RTC writable counter registers may change .

RTC regs. : R64CNT, RSECCNT, RMINCNT, RHRCNT, RWKCNT, RDAYCNT, RMONCNT, RYRCNT, RSECAR, RMINAR, RHRAR, RDAYAR, RWKAR, RMONAR, RCR1, RCR2
 Writable counter regs. : RSECCNT, RMINCNT, RHRCNT, RWKCNT, RDAYCNT, RMONCNT, RYRCNT

1. When performing a RTC register write, the same register must be read on the next instruction in SR.BL=1 and DMAC channel to access peripheral modules stop.
2. When performing a RTC register write, follow this procedure.



3. When performing a RTC register write, follow this procedure.



Usage Note: The RTC will be stop during RCR2.RTCEN=0.