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.

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April 1st, 2010 Renesas Electronics Corporation

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HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	12 April 2001	No.	TN-SH7-313A/E
THEME	SH7615 usage notice for the internal reset of WDT in sleep mode		
CLASSIFICATION	☐ Spec change ☐ Limitation on Use ☐ Supplement of Documents		
PRODUCTNAME	HD6417615ARF Lot No.etc. ALL		
REFERENCE DOCUMENTS	SH7615 Hardware manual		Effective Date Permanent
The SH7615 has the following usage notice.			
The internal reset of Watchdog timer (WDT) in sleep mode			
When Watchdog timer counter (WTCNT) overflows in watchdog timer mode, SH7615 has the function to reset(power-on reset or manual reset) the chip internally. But, if WTCNT overflows in sleep mode, the internal reset function is not executed properly and exception handling by the reset can not start. Condition In sleep mode WDT.WTCSR.WT/IT bit = 1 (Watchdog timer mode) WDT.RSTCSR.RSTE bit = 1 (enable reset internally) WTCNT overflows			
(1) Please use the(2) If sleep mode i	wing countermeasures, when it resets the internal reset function, if sleep mode is its used, please use reset by external RE avoid logical input of the WDTOVF outly usage Notes".)	not used. \overline{S} signal instead of the	internal reset function.