

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 SEMICONDUCTOR TECHNICAL UPDATE

Classification of Production	MCU		No	TN-SH7-438A/E	Rev	1
THEME	Limitation on use for sleep mode of SH7144 Series.	Classification of Information	1. Spec change 2. Supplement of Documents ③ 3. Limitation of Use 4. Change of Mask 5. Change of Production Line			
PRODUCT NAME	SH7144 Series HD64F7144,HD6437144 HD64F7145,HD6437145	Lot No.	Reference Documents	SH7046 Series Hardware Manual (ADE-602-254A Date:Sept,2002 Rev.2.0)	Effective Date	
		All			Permanent	

1. There are 4 conditions to clear sleep mode.

- (1) Clearing by an interrupt
- (2) Clearing by DMAC or DTC address error
- (3) Clearing by the power-on reset
- (4) Clearing by the manual reset

When clearing sleep mode by (1) or (2), CPU may run out of control. Please clear sleep mode by (3) or (4) , don't use (1) or (2).

2. Do not use DMAC module or DTC module or AUD module during sleep mode.