## Old Company Name in Catalogs and Other Documents

On April 1<sup>st</sup>, 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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## HITACHI SEMICONDUCTOR TECHNICAL UPDATE

DATE	7 September 2001	No.	TN-SH7-317A/E
THEME	SH7709S/SH7729R usage notice on IRL/IRLS		
CLASSIFICATION	Spec. change Limitation on Use Supplement of Documents		
PRODUCT NAME	HD6417709SHF200, HD6417709SHF200B, HD6417729RHF200,HD6417729RHF200B		
REFERENCE DOCUMENTS	SH7709S Hardware manual SH7729R Hardware manual		Effective Date Eternal
			From

HD6417709SHF200, HD6417709SHF200B, HD6417729RHF200 and HD6417729RHF200B have followed usage notice

## 1. notice

When you use IRL/IRLS, please use Vcc/Vcc-PLL1/Vcc-PLL2/Vcc-RTC in followed voltage.

- (1) the case not using IRL/IRLS :  $2.00V \pm 0.15V \; (1.85V \; to \; 2.15V) \label{eq:linear}$
- (2) the case using IRL/IRLS (frequency is below 167MHz) :  $2.00V \pm 0.15V \; (1.85V \; to \; 2.15V)$
- (3) the case using IRL/IRLS (frequency is between 167MHz and 200MHz) :  $2.00V + 0.15V \ / \ \text{-}0.10V \ (1.90V \ \text{to} \ 2.15V)$