

To our customers,

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## Old Company Name in Catalogs and Other Documents

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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>

April 1<sup>st</sup>, 2010  
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

Send any inquiries to <http://www.renesas.com/inquiry>.

# RENESAS TECHNICAL UPDATE

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Renesas Technology Corp.

Product Category	MPU&MCU		Document No.	TN-H8*-A340B/E	Rev.	2.00
Title	About power supply voltage startup format addition.		Information Category	Technical Notification		
Applicable Product	H8/38076R Group, H8/38086R Group, H8/38104 Group, H8/38124 Group, H8/38327 Group, H8/38427 Group, H8/38347 Group, H8/38447 Group, H8/38602R Group, H8/38024R Group, H8/38004 Group	Lot No.	Reference Document	Hardware Manual (Details are text reference)		
		All				

Power supply voltage startup format is added to DC Characteristics of the hardware manual of the H8/38076R group, H8/38086R group, H8/38104 group, H8/38124 group, H8/38327 group, H8/38427 group, H8/38347 group, H8/38447 group, H8/38602R group, H8/38024R group and H8/38004 group.

Please refer to the following for details.

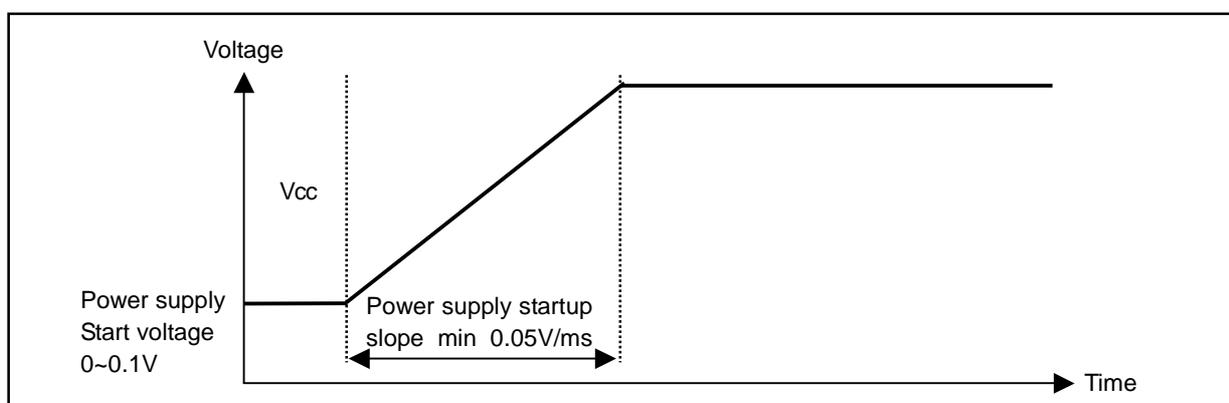
## 1.Object product.

F-ZTAT product of H8/38076R group, H8/38086R group, H8/38104 group, H8/38124 group, H8/38327 group, H8/38427 group, H8/38347 group, H8/38447 group, H8/38602R group, H8/38024R group and H8/38004 groups.  
(as for masked ROM product outside object).

## 2.The contents which it adds.

- (1) H8/38076R Group Hardware Manual. (REJ09B0093-0400) 24.4.2 DC Characteristics
- (2) H8/38086R Group Hardware Manual. (REJ09B0182-0300) 25.2.2 DC Characteristics
- (3) H8/3802,H8/38004,H8/38002S,H8/38104 Group Hardware Manual. (REJ09B0024-0600)  
17.4.2 DC Characteristics, 17.6.2 DC Characteristics,
- (4) H8/38024,H8/38024S,H8/38024R,H8/38124 Group Hardware Manual. (REJ09B0042-0700)  
16.4.2 DC Characteristics, 16.8.2 DC Characteristics
- (5) H8/38327R Group, H8/3827S Group, H8/38327 Group, H8/38427 Group Hardware Manual. (REJ09B0144-0600)  
15.8.2 DC Characteristics
- (6) H8/3847R Group, H8/3847S Group, H8/38347 Group, H8/38447 Group Hardware Manual. (REJ09B0145-0600)  
15.8.2 DC Characteristics
- (7) H8/38602R Group Hardware Manual. (REJ09B0152-0200) 21.2.2 DC Characteristics

## Power Supply Voltage Start up wave form



There is a possibility that the device cannot be normally started when the power supply startup condition is used excluding the above-mentioned condition.

In case of the except above-mentioned condition, please execute an enough evaluation. And, please confirm the malfunction doesn't occur