

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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RENESAS TECHNICAL UPDATE

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Renesas Technology Corp.

Product Category	MPU&MCU		Document No.	TN-H8*-A319A/E	Rev.	1.00
Title	About the input level specification error correction of IRQx interrupt terminals		Information Category	Technical Notification		
Applicable Product	H8/38076R Group, H8/38086R Group H8/3802 Group, H8/38004, H8/38002S Group, H8/38104 Group, H8/38024 Group, H8/38124 Group, H8/38024RF Group, H8/38024S Group.	Lot No.	Reference Document	The hardware manual of each product group becomes an object. Please refer to clause 1 to 6 the following for details		
	All					

The error in writing of the input level specification of IRQx interrupt terminals of the H8/38076R group, the H8/38086R group, the H8/3802 group, the H8/38004 group, the H8/38002S group, the H8/38104 group, the H8/38024 group, the H8/38124 group, the H8/38024RF group, and the H8/38024S group are corrected. Please refer to the following for details.

1.H8/38076R Group

Hardware Manual (REJ09B0093-0300) 24.2.2 and 24.4.2 DC Characteristics Table 24.2 and 24.12

Before it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	IRQ0,IRQ1,IRQ3		0.9Vcc	-	Vcc+0.3	V	

After it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	IRQ0,IRQ1,IRQ3		0.9Vcc	-	AVcc+0.3	V	

2.H8/38086R Group

Hardware Manual (REJ09B0182-0200) 25.2.2 and 25.4.2 DC Characteristics Table 25.2 and 25.12

Before it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	IRQ0,IRQ1,IRQ3		0.9Vcc	-	Vcc+0.3	V	

After it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	IRQ0,IRQ1,IRQ3		0.9Vcc	-	AVcc+0.3	V	

3.H8/3802 Group , H8/38104 Group

Hardware Manual (REJ09B0024-0600) 17.2.2 and 17.6.2 DC Characteristics Table 17.2 and 17.12

Before it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	IRQ1	Vcc=4.0~5.5V	0.8Vcc	-	Vcc+0.3	V	
			Other than above	0.9Vcc	-	Vcc+0.3		

After it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	$\overline{\text{IRQ1}}$	Vcc=4.0~ 5.5V	0.8Vcc	-	AVcc+0.3	V	
			Other than abobe	0.9Vcc		AVcc+0.3		

4.H8/38004, H8/38002S Group

Hardware Manual (REJ09B0024-0600) 17.4.2 DC Characteristics Table 17.8

Before it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	$\overline{\text{IRQ1}}$		0.9Vcc	-	Vcc+0.3	V	

After it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	$\overline{\text{IRQ1}}$		0.9Vcc	-	AVcc+0.3	V	

5.H8/38024Group , H8/38124 Group

Hardware Manual (REJ09B0042-0700) 16.2.2 and 16.8.2 DC Characteristics table 16.2 and 16.21

Before it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	$\overline{\text{IRQ1}}$	Vcc=4.0~ 5.5V	0.8Vcc	-	Vcc+0.3	V	
			Other than abobe	0.9Vcc		Vcc+0.3		

After it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	$\overline{\text{IRQ1}}$	Vcc=4.0~ 5.5V	0.8Vcc	-	AVcc+0.3	V	
			Other than abobe	0.9Vcc		AVcc+0.3		

6.H8/38024R F Group, H8/38024S Group

Hardware Manual (REJ09B0042-0700) 16.4.2 and 16.6.2 DC Characteristics Table 16.2 and 16.15

Before it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	$\overline{\text{IRQ1}}$		0.9Vcc	-	Vcc+0.3	V	

After it changes

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
Input High Voltage	VIH	$\overline{\text{IRQ1}}$		0.9Vcc	-	AVcc+0.3	V	