

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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RenesasTechnology Corp.

Product Category	MPU&MCU		Document No.	TN-H8*-A330A/E	Rev.	1.00
Title	About an electric characteristic of port B and the error correction concerning the product type code.		Information Category	Technical Notification		
Applicable Product	H8/38086R Group H8/38076R Group	Lot No.	Reference Document	H8/38086R Group Hardware Manual (REJ09B0182-0200 Rev.2.00) H8/38076R Group Hardware Manual (REJ09B0093-0300 Rev.3.00)		
		All				

About an electric characteristic of port B and the error correction concerning the product type code.
Please refer to the following for details.

1. H8/38086R Group Hardware Manual (REJ09B0182-0200) 25.1 Absolute Maximum Ratings Table 25

Before change

Item	Symbol	Values	Unit	Notes
input voltage	Other than port B	V _{in}	-0.3 to V _{cc} +0.3	V
	Port B	A _{Vin}	-0.3 to A _{Vcc} +0.3	V

After change

Item	Symbol	Values	Unit	Notes
input voltage	Other than port B	V _{in}	-0.3 to V _{cc} +0.3	V
	PB0 to PB2	A _{Vin}	-0.3 to A _{Vcc} +0.3	V
	PB5 to PB7	D _{Vin}	-0.3 to D _{Vcc} +0.3	V

2. H8/38086R Group Hardware Manual (REJ09B0182-0200) 25.2.2 DC Characteristics Table 25.2

Before change

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
input high voltage	V _{IH}	PB0 to PB2, PB5 to PB7		0.8V _{cc}	-	A _{Vcc} +0.3	V	

After change

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				min.	typ.	max.		
input high voltage	V _{IH}	PB0 to PB2		0.8V _{cc}	-	A _{Vcc} +0.3	V	
		PB5 to PB7		0.8V _{cc}	-	D _{Vcc} +0.3		

3. H8/38076R Group Hardware Manual (REJ09B0093-0300) C. Product Code Lineup

Before change

Product Classification				Product Code	Model Marking	Package (Package Code)
H8/38076R Group	H8/38076R	Flash memory Version	Wide-range specifications	HD64F38076RH4W	F38076H4	80 pin QFP
				HD64F38076RH10W	F38076H10	(FP-80A)
				HD64F38076RW4W	F38076W4	80 pin TQFP
				HD64F38076RW10W	F38076W10	(FP-80A)
				HD64F38076RLP4WV	F38076RLP4WV	80 pin
				HD64F38076RLP10WV	F38076RLP10WV	P-TFLGA (TL P-85V)

After change

Product Classification				Product Code	Model Marking	Package (Package Code)
H8/38076R Group	H8/38076R	Flash memory Version	Wide-range specifications	HD64F38076RH10W	F38076H10	80 pin QFP (FP-80A)
				HD64F38076RW10W	F38076W10	80 pin TQFP (FP-80A)
				HD64F38076RLP10WV	F38076RLP10WV	80 pin P-TFLGA (TLP-85V)