

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

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RENEASAS TECHNICAL UPD

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Product Category	MPU & MCU		Document No.	TN-H8*-273A/EA	Rev.	1.0
Title	Corrections of the H8/300H Tiny Series Hardware Manual		Information Category	Correction or Supplement of Document		
Applicable Product	H8/3664 Group, H8/3672 Group, H8/3687 Group, H8/3694 Group, H8/36024, H8/36014 Group, H8/36057, H8/36037 Group, H8/36049 Group	Lot No.	Reference Document	See below		
		All				

We wish to notify you of the following corrections of the H8/3664 Group, H8/3672 Group, H8/3687 Group, H8/3694 Group, H8/36024, H8/36014 Group, H8/36057, H8/36037 Group and H8/36049 Group Hardware Manuals in the H8/300H Tiny Series.

1. H8/3664 Group, H8/3672 Group, H8/3687 Group, H8/3694 Group, H8/36024, H8/36014 Group

FLASH memory version DC Characteristics

[Before correction]

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				Min	Typ	Max		
Input high voltage	V_{IH}	PB0 to PB7	AVcc = 4.0 to 5.5 V	AVcc×0.7	–	AVcc+0.3	V	
			AVcc = 3.3 to 5.5 V	AVcc×0.8	–	AVcc+0.3		
Input low voltage	V_{IL}	PB0 to PB7	AVcc = 4.0 to 5.5 V	–0.3	–	AVcc×0.3	V	
			AVcc = 3.3 to 5.5 V	–0.3	–	AVcc×0.2		

[After correction]

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				Min	Typ	Max		
Input high voltage	V_{IH}	PB0 to PB7	Vcc = 4.0 to 5.5 V	Vcc×0.7	–	AVcc+0.3	V	
				Vcc×0.8	–	AVcc+0.3		
Input low voltage	V_{IL}	PB0 to PB7	Vcc = 4.0 to 5.5 V	–0.3	–	Vcc×0.3	V	
				–0.3	–	Vcc×0.2		

Note: Applicable pins of H8/3672 Group and H8/36024, H8/36014 Group are PB0 to PB3.

2. H8/3664 Group, H8/3672 Group, H8/3687 Group, H8/3694 Group, H8/36024, H8/36014 Group

Mask ROM version DC Characteristics

[Before correction]

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				Min	Typ	Max		
Input high voltage	V _{IH}	PB0 to PB7	AV _{CC} = 4.0 to 5.5 V	AV _{CC} ×0.7	–	AV _{CC} +0.3	V	
			AV _{CC} = 3.0 to 5.5 V	AV _{CC} ×0.8	–	AV _{CC} +0.3		
Input low voltage	V _{IL}	PB0 to PB7	AV _{CC} = 4.0 to 5.5 V	–0.3	–	AV _{CC} ×0.3	V	
			AV _{CC} = 3.0 to 5.5 V	–0.3	–	AV _{CC} ×0.2		

[After correction]

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				Min	Typ	Max		
Input high voltage	V _{IH}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	V _{CC} ×0.7	–	AV _{CC} +0.3	V	
				V _{CC} ×0.8	–	AV _{CC} +0.3		
Input low voltage	V _{IL}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	–0.3	–	V _{CC} ×0.3	V	
				–0.3	–	V _{CC} ×0.2		

Note: Applicable pins of H8/3672 Group and H8/36024, H8/36014 Group are PB0 to PB3.

3. H8/36057, H8/36037 Group and H8/36049 Group

FLASH memory version DC Characteristics

[Before correction]

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				Min	Typ	Max		
Input high voltage	V _{IH}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	AV _{CC} ×0.7	–	AV _{CC} +0.3	V	
				AV _{CC} ×0.8	–	AV _{CC} +0.3		
Input low voltage	V _{IL}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	–0.3	–	AV _{CC} ×0.3	V	
				–0.3	–	AV _{CC} ×0.2		

[After correction]

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				Min	Typ	Max		
Input high voltage	V _{IH}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	V _{CC} ×0.7	–	AV _{CC} +0.3	V	
				V _{CC} ×0.8	–	AV _{CC} +0.3		
Input low voltage	V _{IL}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	–0.3	–	V _{CC} ×0.3	V	
				–0.3	–	V _{CC} ×0.2		

4. H8/36057, H8/36037 Group and H8/36049 Group

Mask ROM version DC Characteristics

[Before correction]

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				Min	Typ	Max		
Input high voltage	V _{IH}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	V _{CC} ×0.7	–	V _{CC} +0.3	V	
				V _{CC} ×0.8	–	V _{CC} +0.3		
Input low voltage	V _{IL}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	–0.3	–	V _{CC} ×0.3	V	
				–0.3	–	V _{CC} ×0.2		

[After correction]

Item	Symbol	Applicable Pins	Test Condition	Values			Unit	Notes
				Min	Typ	Max		
Input high voltage	V _{IH}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	V _{CC} ×0.7	–	V _{CC} +0.3	V	
				V _{CC} ×0.8	–	V _{CC} +0.3		
Input low voltage	V _{IL}	PB0 to PB7	V _{CC} = 4.0 to 5.5 V	–0.3	–	V _{CC} ×0.3	V	
				–0.3	–	V _{CC} ×0.2		

5. Reference Documents

H8/3664 Group Hardware Manual, Rev.5.00, REJ09B0142-0500Z

H8/3672 Group Hardware Manual, Rev.3.00, REJ09B0143-0300Z

H8/3687 Group Hardware Manual, Rev.4.00, REJ09B0027-0400Z

H8/3694 Group Hardware Manual, Rev.4.00, REJ09B0028-0400Z

H8/36024, H8/36014 Group Hardware Manual, Rev.3.00, REJ09B0025-0300Z

H8/36057, H8/36037 Group Hardware Manual, Rev.2.00, REJ09B0026-0200Z

H8/36049 Group Hardware Manual, Rev.1.00, REJ09B0060-0100Z