

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*-A413A/E	Rev.	1.00
Title	H8SX/1544: Amendment for Hardware Manual		Information Category	Technical Notification		
Applicable Product	H8SX/1544 Group	Lot No.	Reference Document	H8SX/1544 Group Hardware Manual (REJ09B0381-0200, Rev. 2.0)		
		All Lots				

Thank you for your consistent patronage of Renesas semiconductor products.

We would like to inform you about the amendment for the H8SX/1544 Group Hardware Manual

## 1. DC Characteristics

Before

	Item	Symbol	Min.	Typ.	Max.	Unit
Input pull-up MOS current	Ports D, E, F,	-I <sub>p</sub>	50		300	μA
	H, I, J, K					

After

	Item	Symbol	Min.	Typ.	Max.	Unit
Input pull-up MOS current	Ports D, E, F,	-I <sub>p</sub>	10		300	μA
	H, I, J, K					

## 2. Bus Timing

Before

	Item	Symbol	Min.	Max.	Unit
Read data hold time 1		t <sub>RDH1</sub>	0	—	ns
		t <sub>RDH2</sub>	0	—	ns

After

	Item	Symbol	Min.	Max.	Unit
Read data hold time 1		t <sub>RDH1</sub>	5	—	ns
		t <sub>RDH2</sub>	5	—	ns

## 3. DMAC Timing

Before

	Item	Symbol	Min.	Max.	Unit
/TEND delay time		t <sub>ED</sub>	—	15	ns
	/DACK delay time 1	t <sub>DACD1</sub>	—	15	ns
	/DACK delay time 2	t <sub>DACD2</sub>	—	15	ns

After

	Item	Symbol	Min.	Max.	Unit
/TEND delay time		t <sub>ED</sub>	—	40	ns
	/DACK delay time 1	t <sub>DACD1</sub>	—	40	ns
	/DACK delay time 2	t <sub>DACD2</sub>	—	40	ns