

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>

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Renesas Electronics Corporation

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

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# RENEASAS TECHNICAL UPD

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RenesasTechnology Corp.

Product Category	MPU&MCU	Document No.	TN-H8*-279A/EA	Rev.	1.0
Title	H8/38086R Group and H8/38076R Group standby mode current consumption		Information Category	Correction or Supplement of Document	
Applicable Product	H8/38086R Group H8/38076R Group	Lot No.	Reference Document	H8/38086R Group Hardware manual REJ09B0182-0100Z Rev.1.00 H8/38076R Group Hardware manual REJ09B0093-0200Z Rev.2.00	
		All			

An addition and correction of the current consumption in standby mode on H8/38086R group and H8/38076R group.

Please refer to following for details

[Before change]

H8/38086R Group Hardware manual (Page 471)

H8/38076R Group Hardware manual (Page 455)

Item	Symbol	Applicable Pins	Test condition	Values			Unit	Notes
				Min.	Typ.	Max.		
standby mode current consumption	ISTBY	Vcc	Vcc=3.0V, Ta=25°C 32-kHz crystal resonator, LCD not used	-	<u>0.3</u>	-	μA	*1,*2 Reference Value
			32-kHz crystal resonator not used	-	1.0	5.0	*1,*2	
			32KSTOP=1	-	<u>TBD</u>	-	*1,*2 Reference Value	

H8/38086R Group Hardware manual (Page 472)

H8/38076R Group Hardware manual (Page 456)

RES Pin	Internal State	Other Pins	LCD Power Supply	Oscillator Pins
Vcc	CPU and timers both stop On-chip WDT oscillator is off	Vcc	Halted	System clock oscillator: crystal resonator Subclock oscillator: Pin X1=GND

[After change]

H8/38086R Group Hardware manual (Page 471)

H8/38076R Group Hardware manual (Page 455)

Item	Symbol	Applicable Pins	Test condition	Values			Unit	Notes
				Min.	Typ.	Max.		
standby mode current consumption	ISTBY	Vcc	Vcc=3.0V, Ta=25°C 32-kHz crystal resonator, LCD not used	-	<u>0.6</u>	-	μA	*1,*2 Reference Value
			32-kHz crystal resonator not used	-	1.0	5.0		*1,*2
			32KSTOP=1 <u>Vcc=3.0V</u>	-	<u>0.3</u>	-		*1,*2 Reference Value

H8/38086R Group Hardware manual (Page 472)

H8/38076R Group Hardware manual (Page 456)

RES Pin	Internal State	Other Pins	LCD Power Supply	Oscillator Pins
Vcc	CPU and timers both stop On-chip WDT oscillator is off	Vcc	Halted	System clock oscillator: crystal resonator Subclock oscillator: Pin X1=GND <b>(32KSTOP=1)</b>