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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Product Category	MPU&MCU	Document No.	TN-H8*-A315A/E	Rev.	1.00	
Title	Usage Note Updates for the H8/38327 Group H8/38427 Group, H8/38347 Group, and H8/3 Group	Information Category	Technical Notification			
Applicable Product	H8/38327 Group mask-ROM version H8/38427 Group mask-ROM version H8/38347 Group mask-ROM version H8/38447 Group mask-ROM version	Lot No. All	Reference Document	H8/38 327 Group, H8/3 Hardware Manual (REJ09B0144-0500) H8/38 347 Group, H8/3 Hardware Manual (REJ09B0145-0500)	38427 Gro 38447 Gro	oup

We would like to inform you of usage note updates for the mask-ROM versions of the H8/38327 Group, H8/38427 Group,

H8/38347 Group, and H8/38447 Group.

Usage Note of Subactive mode:

When $\phi w/8$ is selected in subactive mode, the LSI power consumption may be increased at high temperature. Use of $\phi w/2$ and $\phi w/4$ are recommended as the CPU clock rate in subactive mode.

Electrical Characteristics:

H8/38 327 Group, H8/38427 Group Hardware Manual (Referring to Section 15.8.2, DC Characteristics, Table 15.23)

H8/38 347 Group, H8/38447 Group Hardware Manual (Referring to Section 15.8.2, DC Characteristics, Table 15.26)

Before Changes

		Applicable I Pins	Values					
ltem	Symbol		Min.	Тур.	Max.	Unit	Test Condition	Notes
Subactive	bactive I _{SUB} Vcc		-	12	-	μA	Vcc=2.7V, LCD on,	Reference value
mode current						·	32-kHz crystal resonator	
consumption							used ($\phi_{SUB} = \phi W/8$)	
			-	18	50	_	Vcc=2.7V, LCD on,	
							32-kHz crystal resonator	
							used ($\phi_{SUB} = \phi w/2$)	
After Changes								
		Applicable		Values				
ltem	Symbol	Pins	Min.	Тур.	Max.	Unit	Test Condition	Notes
Subactive	I _{SUB}	Vcc	-	12	50	μA	Vcc=2.7V, LCD on,	Ta=25°C,
mode current							32-kHz crystal resonator	Reference value
consumption			-	12	200	_	used ($\phi_{SUB} = \phi w/8$)	Ta=85°C,
								Reference value
			-	18	50		Vcc=2.7V, LCD on,	
							32-kHz crystal resonator	
							used ($\phi_{SUB} = \phi w/2$)	

