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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Renesas Technology Corp.

Product Category	MPU&MCU			Document No.	TN-H8*-A398B/E	Rev.	2.00
Title	About the instructions of the LCD controller /driver			Information Category	Technical Notification		
Applicable Product	Described below	Lot No.		Reference Document	Described below		
		All lot					

We add the following additional information to the usage notes for the LCD drivers in following Hardware Manuals.

H8/3827R Group, H8/3827S Group, H8/38327 Group, H8/38427 Group Hardware Manual (REJ09B0144-0600)
This additional information applies to the H8/38327 group and H8/38427 group only.

H8/3847R Group, H8/3847S Group, H8/38347 Group, H8/38447 Group Hardware Manual (REJ09B0145-0600)
This additional information applies to the H8/38347 group and H8/38447 group only.

The New information is shown in below.

– Description –

1. Usage notes on the LCD driver / controller

When the MCU switches off the LCD power supply, it is possible that the power supply inside the LCD driver / Controller will become unstable, this could result in an increase of the power consumed by the device.

The Followings are examples of this situation.

a) MCU sets LCD power supply OFF when V1 is connected to VO
b) MCU cuts off external power supply when V1 is connected to external power supply

The Followings are examples of a workaround for this situation.

a) Set pins as I/O ports before switching off LCD.
b) Pull V1 down to GND connecting external resisters. While V1 is dropping to GND level, the power consumption of the device may increase.

– End of description –

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