

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>)

Send any inquiries to <http://www.renesas.com/inquiry>.

RENESAS TECHNICAL UPDATE

Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan
RenesasTechnologyCorp.

Product Category	MPU&MCU		Document No.	TN-H8*-A299A/E	Rev.	1.0
Title	H8/38086R group and H8/38076R group notice on use of LCD controller / Driver		Information Category	Technical Notification		
Applicable Product	H8/38086R Group H8/38076R Group	Lot No. EIA code former than 0509	Reference Document	H8/38086R Group Hardware manual (REJ09B0182-0100Z Rev.1.00) H8/38076R Group Hardware manual (REJ09B0093-0200Z Rev.2.00)		

The H8/38086R group and H8/38076R group in the current release contain a following usage notice on LCD controller / Driver.

1. Phenomenon

Current consumption is increased when LCD controller / Driver is active and V_{1-Vcc} is 0.7V or more.

Table 1. Conditions and Phenomenon

Power supply to LCD controller / Driver	Register setting		Phenomenon Current consumption is
	LCR:PSW(bit6)	LCR2:SUPS(bit4)	
On chip power supply circuit	1	0	Normal
3-V Constant-Voltage Power Supply circuit	0	1	Increased
External Power Supply Circuit	0	0	Increased

2. Countermeasure schedule

Above will be solved on the products marked the EIA code that later than 0509. Schedule for those products are planned as followings.

H8/38076R group will be available in July 2005.

H8/38086R group will be available in September 2005.

The part numbers and the marking codes are not changed