

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
Renesas Technology Corp.

Product Category	MPU&MCU		Document No.	TN-SH7-A582A/E	Rev.	1.00
Title	Usage notice on the CRC check of a MMCIF		Information Category	Technical Notification		
Applicable Product	HD6417720	Lot No.	Reference Document	SH7720 hardware manual Rev.2.00 (REJ09B0033-0200)		
		All				

SH7720 has the followed usage notice of Hardware CRC check of a MultiMediaCard interface (MMCIF).

The phenomenon and the workaround are described below.

1. Phenomenon

The Hardware CRC check of R2 response in MMC mode may not be correct.

2. Work around

The workaround are described below.

- (a) If a command of R2 response from MMC is issued, RTY6 in Response Type Register (RSPTYR) should be set to 0 and hardware CRC should not be checked.
- (b) After R2 response reception ends, the value of the Response Registers 0 to 16 (RSPR0 to RSPR16) should be read and checked software CRC.

* Checking CRC is described in The MultiMediaCard System Specification.