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

HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	27 September 2001	No.	TN-SH7-359A／E
THEME	SH3-DSP usage notice on DMAC Indirect address transfer mode		

CLASSIFICATION	☐ Spec change ☐ Supplement of Documents	■ Limitation on Use	
PRODUCTNAME	HD6417729, HD6417729R, HD6417727		Lot No.etc.
REFERENCE DOCUMENTS	HD6417729 Hardware Manual, HD6417729R Hardware Manual, HD6417727 Hardware Manual	Rev.	EffectiveDate
			From

SH3-DSP series HD6417729, HD6417729R, and HD6417727 have following usage notice.

1. Phenomenon

When you use data transfer from XY memory by DMAC, if all the following conditions are satisfied, it will be accessed by the big endian.

Condition:

(1) Data transfer from XY memory

(2) Indirect address transfer mode.

(3) Byte size (8 bits) data.

(4) Little endian.

2. Work Around

When you use data transfer from XY memory by DMAC, please use one of following methods.

(1) Please use direct address transfer mode.

(2) Please use longword size (32 bits) or word size (16 bits).

(3) Please use the big endian.