

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>

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Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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

2. Condition of Multicast Address Frame Status Error

When all following conditions are valid, SH7615 shows a multicast address frame received.

(1) Any of following errors occur when a multicast address frame is received, or a destination address in unicast frame is wrongly recognized as a multicast address because of collision and the receive transaction finishes as a broken frame reception.

- ① CRC Error on Received Frame
- ② RX-ER assert(PHY-LSI Receive Error)
- ③ Receive Too-Short Frame
- ④ Receive Too-Long Frame
- ⑤ Receive Residual-Bit Frame

(2) The next frame is received normally.

<Countermeasures>

1. We fix the above two errors on metal layers.

2. We change the part name.

HD6417615AF -> HD6417615ARF

3. We change a read data of a reserved bit in one of Watch Dog Timer registers (RSTCSR) as below in order to easily recognize HD6417615ARF from HD6417615AF by software read.

	RSTCSR (0xffffe83)							
bit	7	6	5	4	3	2	1	0
	WOVF	RSTE	RSTS	---	---	---	---	REV
Initial value								
HD6417615AF	0	0	0	1	1	1	1	1
HD6417615ARF	0	0	0	1	1	1	1	<u>0</u>

4. We change Boundary Scan ID code for HD6417615ARF.

	SDIDR
	ID code
HD6417615AF	0x0001100F
HD6417615ARF	0x0 <u>1</u> 01000F

<Modified MP>

We will fix the above two errors and provide new MP from Jan.2001.