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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.

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Renesas Electronics Corporation

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HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	20 September 2001	No.	TN-SH7-348B/E
THEME	Correction of errors on SH3, SH3-DSP hardware manual (Power on sequence)		
CLASSIFICATION	<input type="checkbox"/> Spec change <input type="checkbox"/> Limitation on Use <input checked="" type="checkbox"/> Supplement of Documents		
PRODUCTNAME	SH7707,SH7709,SH7709A,SH7729		
REFERENCE DOCUMENTS	SH7707 Hardware manual Rev1.0	SH7729 Hardware manual Rev3.0	Effective Date Permanent
	SH7709 Hardware manual Rev2.0		Lot No.: All
SH7709A Hardware manual Rev4.0			

This technical update is the revised version of ' TN-SH7-348A/E' .

1. SH7709A ADE-602-187C Rev.4.0: p.673
SH7729 ADE-602-157B Rev.3.0: p.731

“Caution” in “Electrical Characteristics” “Absolute Maximum Ratings” is corrected as follows.

1-1 description about undefined pin states

[Error]

2. Until Voltage is applied to all power supplies and a low level is input at the RESETP pin, internal circuits remain unsettled, and so pin states are also undefined. The system design must ensure that these undefined states do not cause erroneous system operation.

[Correction]

2. Until Voltage is applied to all power supplies, a high level is input at the CA pin, a low level is input at the RESETP pin, and CKIO clock operates in max 4 cycles, internal circuits remain unsettled, and so pin states are also undefined.

The system design must ensure that these undefined states do not cause erroneous system operation.

When a low level is input at the CA pin, a low level input at the RESETP pin is not accepted.

1-2 description about interval of 3.3V powers and 1.8/1.9V powers turning on/off

[Error]

100μs

[Correction]

1 ms

2. SH7707 ADE-602-137 Rev.1.0: p.685

The following sentences are added to “Caution” in “Electrical Characteristics”
“Absolute Maximum Ratings” .

Until Voltage is applied to all power supplies and a low level is input at the RESET pin and CKIO clock operates in max 4 cycles, internal circuits remain unsettled, and so pin states are also undefined. The system design must ensure that these undefined states do not cause erroneous system operation.

3. SH7709 ADE-602-123B Rev.2.0: p.595

The following sentences are added to “Caution” in “Electrical Characteristics”
“Absolute Maximum Ratings” .

Until Voltage is applied to all power supplies, a high level is input at the CA pin, a low level is input at the RESETP pin, and CKIO clock operates in max 4 cycles, internal circuits remain unsettled, and so pin states are also undefined.

The system design must ensure that these undefined states do not cause erroneous system operation.

When a low level is input at the CA pin, a low level input at the RESETP pin is not accepted.