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

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RENESAS

RENESAS TECHNICAL UPDATE

Classification of Production	Development Environment			No	TN-EML-109A/E	Rev	1.0
THEME	Restriction on Use of the AUD Function of the E10A Emulator when Emulating the SH7145F	Classification of Information	1. Spec change 2. Supplement of Documents ③ Limitation of Use 4. Change of Mask 5. Change of Production Line				

PRODUCT NAME	SH7144F E10A Emulator Type numbers: HS7144KCM02H HS7144KCI02H	Lot No.	Reference Documents	SH7144 Series Hardware Manual ADE-602-254A (Rev. 2.0)	Term of Validity
		V1.00			Permanent

There is a restriction on use of the AUD function of the E10A emulator when emulating the SH7145F.

1. Problem

The AUD pins of the SH7145F are multiplexed with ports D and E. When those AUD pins multiplexed with port E are in use for the AUD function of the SH7144F E10A emulator, addresses or data being accessed may be incorrect.

2. Restriction

To use the AUD function of the SH7144F E10A emulator, do not use the AUD pins multiplexed with port E of the SH7145F.

3. Solution

Use the AUD pins multiplexed with port D of the SH7145F instead to use the AUD function of the SH7144F E10A emulator.

Available AUD pins:

PD16/D16/IRQ0/AUDATA0

PD17/D17/IRQ1/AUDATA1

PD18/D18/IRQ2/AUDATA2

PD19/D19/IRQ3/AUDATA3

PD20/D20/IRQ4/AUDRST

PD21/D21/IRQ5/AUDMD

PD22/D22/IRQ6/AUDCK

PD23/D23/IRQ7/AUDSYNC