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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HITACHI SEMICONDUCTOR TECHNICAL UPDATE

DATE	3 December 2001	No.	TN-EML-077A/E
THEME	Limitation on Using the H8S/2199 Series E6000 Emulator		
CLASSIFICATION	☐ Spec. change ☐ Supplement of Documents	☒ Limitation on Use	
PRODUCT NAME	H8S/2199 series E6000 emulator HS2195EPI60H	Lot No. etc.	Product REV. B
REFERENCE DOCUMENT	E6000 H8S/2199 series HS2195EPI60H	Effective Date From	

The H8S/2199 series E6000 emulator (HS2195EPI60H) supports the following two methods as the OSD sub-carrier clock (4/2FSCin) input to the CPU:

1. Internal clock input by mounting the crystal oscillator in the E6000 emulator
2. External clock input from the user system

When the external clock input was used for the OSD sub-carrier clock, there was a malfunction in the input circuit, and the external clock could not be input. To input OSD sub-carrier clock, use the internal clock input after mounting the crystal oscillator on the crystal oscillator pin (between XFSC P15 and P16) on the E6000 emulator.

When you want to use the external clock input for the OSD sub-carrier clock, the emulator needs to be modified.
In this case, contact Hitachi sales agency and return the emulator back.

This limitation applies to product REV. B or previous version. The limitation is solved in product REV. C or after.