

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>)

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

HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	20 December 2001	No.	TN-SH7-389A/E
THEME	SH7616 limitation on use of SH7616 debugger.		
CLASSIFICATION	<input type="checkbox"/> Spec change <input checked="" type="checkbox"/> Limitation on Use <input type="checkbox"/> Supplement of Documents		
PRODUCTNAME	HD6417616F	Lot No.etc.	ALL
REFERENCE DOCUMENTS	SH7616 Hardware manual (ADE-602-234) Rev.1.0	EffectiveDate	Permanent

There is a limitation on use of SH7616 debugger (e.g. E10A).

<Phenomenon>

On use of SH7616 debugger, there are cases that SH7616 hangs up or can not read right data from memories and registers when the debugger handles SH7616.

<Condition>

- (1) When the frequency of I ϕ (internal clock) is over 50MHz.
- (2) The limitation (1) above applies to Engineering Samples and "WS" marked samples.
The limitation does not apply to "WS1" marked samples and "WS2" marked samples.
- (3) When you don't use the debugger, SH7616 operates on the frequency of I ϕ =Max.62.5MHz.