

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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M16C/61 , M16C/62 Group Precautions for UART2

1. Related devices

M16C/61 Group, M16C/62 Group

2. Precautions

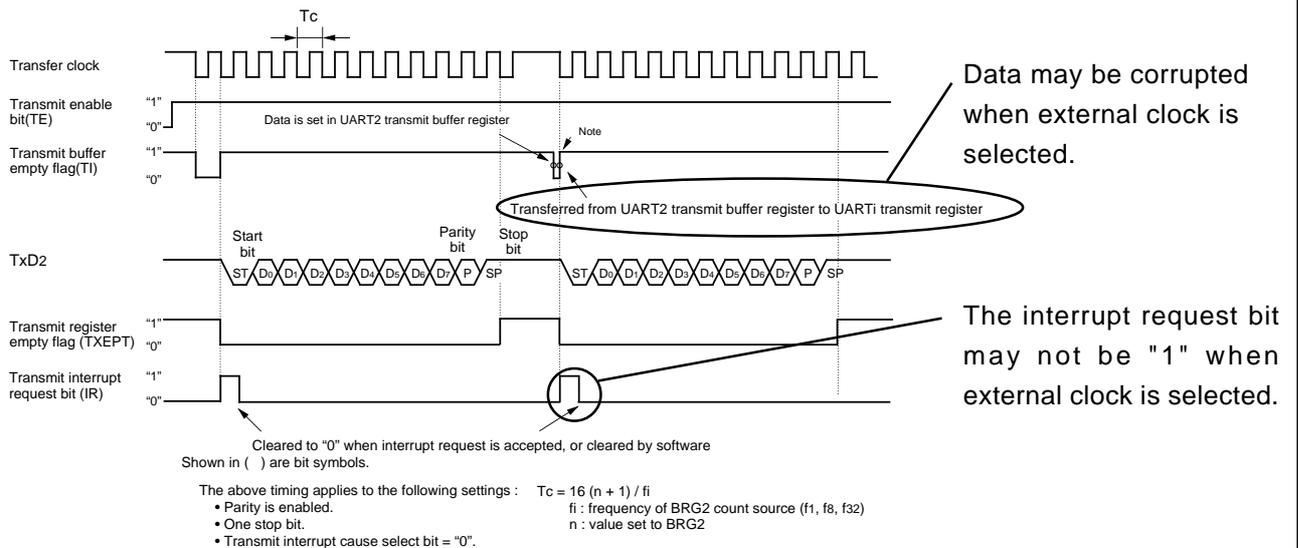
When using UART2 in clock asynchronous serial I/O (UART) mode choose internal clock. If UART2 in clock asynchronous mode is used with external clock, then one of the following may occur;

2.1 The interrupt may not be issued at the end of data transmission when the hardware transfers the data from the transmit buffer register to the transmit register.

2.2 Data may be corrupted when the hardware transfers the data from the transmit buffer register to the transmit register.

This precaution only applies to the UART2 asynchronous serial I/O mode and does not apply to UART0 or UART1. It does not apply to any UART when used in the synchronous clocked serial I/O mode.

Example of transmit with UART mode, Transfer data 8 bits long.



Note: The transmit is started with overflow timing of BRG after having written in a value at the transmit buffer in the above timing.