

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RX*-A151A/E	Rev.	1.00
Title	Note on Stopping Reception When the RTS Function of the Serial Communications Interface (SCI) is in Use in Asynchronous mode(UART)		Information Category	Technical Notification		
Applicable Product	RX71M Group, RX64M Group, RX630 Group, RX63N Group, RX631 Group, RX634 Group, RX63T Group, RX210 Group, RX21A Group, RX220 Group, RX230 Group, RX231 Group, RX23T Group, RX24T Group, RX110 Group, RX111 Group, RX113 Group, RX130 Group	Lot No.	Reference Document	See below		
		All				

This document describes a note on stopping reception when the RTS function of the serial communications interface (SCI) is in use in Asynchronous mode(UART).

<Note>

One clock cycle of PCLK is required for the time from setting the SCR.RE bit to 0 to stopping the RTS signal generator in Asynchronous mode(UART). When received data is read before the RTS signal generator stops, the RTS# signal may be output for one cycle of PCLK.

<Countermeasure>

When reading the RDR (or RDRL) register after setting the SCR.RE bit to 0 in Asynchronous mode(UART), confirm that the RE bit has been set to 0 before reading the RDR (or RDRL) register to prevent these two processes from being performed consecutively.

<Reference documents>

Series	Group	Title	Rev.	Document No.
RX700	RX71M	RX71M Group User's Manual: Hardware	1.00	R01UH0493EJ0100
RX600	RX64M	RX64M Group User's Manual: Hardware	1.00	R01UH0377EJ0100
	RX630	RX630 Group User's Manual: Hardware	1.60	R01UH0040EJ0160
	RX63N, RX631	RX63N Group, RX631 Group User's Manual: Hardware	1.80	R01UH0041EJ0180
	RX634	RX634 Group User's Manual: Hardware	1.00	R01UH0495EJ0100
	RX63T	RX63T Group User's Manual: Hardware	2.20	R01UH0238EJ0220
RX200	RX210	RX210 Group User's Manual: Hardware	1.50	R01UH0037EJ0150
	RX21A	RX21A Group User's Manual: Hardware	1.10	R01UH0251EJ0110
	RX220	RX220 Group User's Manual: Hardware	1.10	R01UH0292EJ0110
	RX230, RX231	RX230 Group, RX231 Group User's Manual: Hardware	1.10	R01UH0496EJ0110
	RX23T	RX23T Group User's Manual: Hardware	1.10	R01UH0520EJ0110
	RX24T	RX24T Group User's Manual: Hardware	1.00	R01UH0576EJ0100
RX100	RX110	RX110 Group User's Manual: Hardware	1.10	R01UH0421EJ0110
	RX111	RX111 Group User's Manual: Hardware	1.20	R01UH0365EJ0120
	RX113	RX113 Group User's Manual: Hardware	1.10	R01UH0448EJ0110
	RX130	RX130 Group User's Manual: Hardware	1.00	R01UH0560EJ0100

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