

RENESAS TOOL NEWS on October 16, 2014: 141016/tn2

Revisions to Renesas Peripheral Driver Library

We have revised six editions of the Renesas Peripheral Driver Library.

1. Revised Products

We have revised the six products listed below. A description of the revisions follows the list.

- (1) RX62N and RX621 group Renesas Peripheral Driver Library
From V.1.10 to V.1.11
- (2) RX630 group Renesas Peripheral Driver Library
From V.1.20 to V.1.21
- (3) RX63N and RX631 group Renesas Peripheral Driver Library
From V.1.20 to V.1.21
- (4) RX63T group Renesas Peripheral Driver Library
From V.2.10 to V.2.11
- (5) RX210 group Renesas Peripheral Driver Library
From V.2.10 to V.2.11
- (6) RX220 group Renesas Peripheral Driver Library
From V.1.10 to V.1.11

2. Description of Revision

2.1 Updating

- (1) RX62N and RX621 groups

We have updated library functions to better comply with the specifications as described in Rev. 1.40 of the RX62N Group, RX621 Group User's Manual: Hardware.

- (2) RX630 group

We have updated library functions to better comply with the specifications as described in Rev. 1.60 of the RX630 Group User's Manual: Hardware.

Note that the library does not support the G version.

- (3) RX63N and RX631 groups

We have updated library functions to better comply with the

specifications as described in Rev. 1.80 of the RX63N Group, RX631 Group User's Manual: Hardware.

Note that the library does not support the products in the 64-pin TFLGA package or the parallel data capture unit (PDC).

(4) RX63T group

We have updated library functions to comply with the specifications described in Technical Updates TN-RX*-A083A/E "Usage Notes on Group-A Priority Control of 12-Bit A/D Converter" and TN-RX*-A086A /E Corrections of "RX63T Group User's Manual: Hardware Rev.2.10".

2.2 Modifications in Response to Failures

The following problems have been fixed.

(1) Problem with using the serial communications interface (SCIA)

Refer to Renesas Tool News 140401/tn1 at the following URL for details of this problem.

<https://www.renesas.com/search/keyword-search.html#genre=document&q=140401tn1>

Relevant groups: RX62N and RX621 groups

(2) Problem with setting the day of the week for the real time clock

(RTC) alarm Refer to Renesas Tool News 140516/tn2 at the following URL for details of this problem.

<https://www.renesas.com/search/keyword-search.html#genre=document&q=140516tn2>

Relevant groups: RX62N and RX621 groups

RX630 group

RX63N and RX631 groups

RX210 group

RX220 group

(3) Note on using multi-function timer pulse unit 2 (MTU2), 8-bit

timer (TMR), and serial communications interface (SCI) of products in 144 and 145 pin packages.

Refer to Renesas Tool News 140116/tn4 at the following URL for details of this problem.

<https://www.renesas.com/search/keyword-search.html#genre=document&q=140116tn4>

Relevant groups: RX210 group

2.3 Other Modifications

We have modified the following points in all revised products.

(1) Improved the reset timing of the counter which measures the timeout within the I2C bus interface (RIIC).

(2) Refer to "Revision History" in the Renesas Peripheral Driver Library User's Manual for other modifications.

3. Updating Your Product

Download the sample program from the following URL.

https://www.renesas.com/mw/rpdl_app_notes

The following are the document titles for the various groups.

RX62N Group, RX621 Group Renesas Peripheral Driver Library

RX630 Group Renesas Peripheral Driver Library

RX63N Group, RX631 Group Renesas Peripheral Driver Library

RX63T Group Renesas Peripheral Driver Library

RX210 Group Renesas Peripheral Driver Library

RX220 Group Renesas Peripheral Driver Library

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