

RENESAS TOOL NEWS on August 1, 2013: 130801/tn6

Renesas Peripheral Driver Library for RX63T Group Revised to V.2.00

We have revised Renesas Peripheral Driver Library for RX63T Group from V.1.02 to V.2.00.

For the overview of the product, go to:

<https://www.renesas.com/driver/rpdl>

The above URL is one of our global sites.

1. Descriptions of Revision

1.1 Conformed to user's manual Rev.2.00 for RX63T Group of MCUs

The Library functions have been updated conforming to the specifications of the latest user's manual Rev.2.00.

1.2 Newly supported MCU packages

The 100-pin, 112-pin, 120-pin, and 144-pin packages of RX63T Group of MCUs have been supported.

1.3 Newly supported peripheral functions

Support for the 10-bit A/D converter and D/A converter has been newly added.

1.4 Options and functions added

(1) Addition of API functions and addition and modification of options

To support RX63T Group of MCU products in 100-pin, 112-pin, 120-pin, and 144-pin packages, the API specifications of the peripheral functions listed below have been changed. The changes include the addition of new API functions and the addition and modification of options.

CGC, INTC, IO_PORT, MPC, MCU, LVD, LPC, BSC, DMAC, DTC, POE, GPT, SCI, IIC, SPI and ADC_12

(2) Addition of Continuous Receive Mode Option when using Serial Communications Interface (SCI) in asynchronous mode

The continuous receive option "Continuous receive mode" has been

added to the second arguments of the SCI receive function (R_SCI_Receive function).

(3) Addition of 10-bit Address Mode Option to I2C Bus Interface (RIIC) master send and master receive

The transmitting option "Slave address size override" for 10-bit address mode has been added to the second arguments of the RIIC master send function (R_IIC_MasterSend function).

The transmitting option "Slave address size override" for 10-bit address mode has also been added to the second arguments of the RIIC master receive function (R_IIC_MasterReceive function).

(4) Removal of Group B scan function option from ADC_12 Create function and addition of option to ADC_12 Control function

"Scan priority control for Group B", which was an option for controlling the scan priority of Group B in ADC_12, has been removed as the second arguments of the ADC_12 create function (R_ADC_12_CreateUnit function) and added as the first argument for the ADC_12 control function (R_ADC_12_Control function).

1.5 Other changes

For the other changes, refer to the Revision History in the Renesas Peripheral Driver Library User's Manual.

2. Obtaining Library

Download the sample program of Renesas Peripheral Driver Library for RX63T Group from the following Web page:

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

Document Title: RX63T Group Renesas Peripheral Driver Library

The above URL is one of our global sites.

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