RENESAS Tool News

Peripheral Driver Generator Revised to V.2.04

We have revised Peripheral Driver Generator from V.2.03 to V.2.04.
This utility program aids you to create on-chip peripheral I/O drivers.
Peripheral Driver Generator V.2 is specific to the RX family of MCUs.
For an overview of Peripheral Driver Generator, see:
https://www.renesas.com/pdg
The above URL is one of our global sites.

1. Description of Revision

1.1 Supported MCUs Increased

The revised product supports the RX630 group of MCUs. The following peripheral I/O modules of these MCUs are supported:

- Voltage detection circuit (LVDA)
- Clock generator circuit
- Frequency measurement circuit (MCK)
- Low power consumption
- Register write protection function
- Interrupt control unit (ICUb) and exception handlers
- Buses
- DMA controller (DMACA)
- Data transfer controller (DTCa)
- I/O ports
- Multi-function pin controller (MPC)
- Multi-function timer pulse unit 2 (MTU2a)
- Port output enable 2 (POE2a)
- 16-bit timer pulse unit(TPUa)
- Programmable pulse generator(PPG)
- 8-bit timer (TMR)
- Compare match timer (CMT)
- Real-time clock (RTCa)
- Watchdog timer (WDTA)

- Independent watchdog timer (IWDTa)
- Serial communication interface (SCIc and SCId)
- I2C bus interface (RIIC)
- Serial peripheral interface (RSPI)
- IEBus controller(IEB)
- CRC calculator (CRC)
- 12-bit A/D converter (S12ADa)
- 10-bit A/D converter (ADb)
- D/A converter (DAa)
- Temperature sensor

1.2 Capability Introduced

The following capability has been introduced:
- Registering the source files generated by Peripheral Driver
  Generator in the CubeSuite+ project.

1.3 Problems Fixed

We have been fixed the following two problems:

(1) With setting the clock generator circuit on an MCU of the RX210 group
   For details of the problem, see RENESAS TOOL NEW Document
   No. 120416/tn3 at:
   https://www.renesas.com/search/keyword-search.html#genre=document&q=120416tn3

(2) Problem that on setting of the RX210 group MCUs if the main window is
   resized to smaller size so that the input items hide, Peripheral
   Driver Generator may stop responding to any operation.

2. Host System Requirements

Computer: IBM PC/AT or compatible
OS: Windows7, Windows XP, or Windows Vista

3. Precaution

Five known problems reside in Peripheral Driver Generator V.2.04.
For details of these problems, read through the release note.

4. How to Update Your Product

Update yours in either of the following ways:
(1) Use Auto Update Utility. This service will be available on and

after June 11.
(2) Download the installer of the revised product from:
https://www.renesas.com/pdg_download

Then execute it. The installer will be published on the Web
site on June 5.
The above URL is one of our global sites.

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