CubeSuite+ Code Generator for RX V1.01.00
Release Note

R20UT2918EJ0100
Rev.1.00
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Contents

Chapter 1. Target Devices

Below is a list of devices supported by the Code Generator for RX111 V1.02.00.04	
Nickname	Device name
36pin	R5F5111JAxLM, R5F51111AxLM, R5F51113AxLM
40pin	R5F5111JAxNF, R5F51111AxNF, R5F51113AxNF
48pin	R5F5111JAxFL, R5F5111JAxNE, R5F51111AxFL, R5F51111AxNE R5F51113AxFL, R5F51113AxNE, R5F51114AxFL ,R5F51114AxNE R5F51115AxFL ,R5F511145xNE
64pin	R5F5111JAxFK, R5F5111JAxFM, R5F5111JAxLF R5F51111AxFK, R5F51111AxFM, R5F51111AxLF R5F51113AxFK, R5F51113AxFM, R5F51113AxLF R5F51114AxFK, R5F51114AxFM, R5F51114AxLF R5F51115AxFK, R5F51115AxFM, R5F51115AxLF

The Code Generator for RX111 is based on the following documents.

Manual Name	Document Number
RX111 Group User's Manual: Hardware	R01UH0365JJ0110
	R01UH0365EJ0110

Below is a list of devices supported by the Code Generator for RX110 V1.02.00.04	
Nickname	Device name
36pin	R5F5110HAxLM, R5F5110JAxLM, R5F51101AxLM, R5F51103AxLM
40pin	R5F5110HAxNF, R5F5110JAxNF, R5F51101AxNF, R5F51103AxNF
48pin	R5F5110JAxFL, R5F5110JAxNE, R5F51101AxFL, R5F51101AxNE R5F51103AxFL, R5F51103AxNE, R5F51104AxFL ,R5F51104AxNE
64pin	R5F5110JAxFK, R5F5110JAxFM, R5F5110JAxLF R5F51101AxFK, R5F51101AxFM, R5F51101AxLF R5F51103AxFK, R5F51103AxFM, R5F51103AxLF R5F51104AxFK, R5F51104AxFM, R5F51104AxLF R5F51105AxFK, R5F51105AxFM, R5F51105AxLF

The Code Generator for RX110 is based on the following documents.

Manual Name	Document Number
RX110 Group User's Manual: Hardware	R01UH04215JJ0100
	R01UH04215EJ0100

Please check a checkbox of Code Generator plug-in at additional tab of Plug-in manager dialog to use Code Generator for target device.

How to open: From the [Tool] menu, select [Plug-in Setting...].

Plug-in name	Supported device
Code Generator Plug-in	78K0, 78K0R, V850, a part of RL78(*) *: RL78/I1A, RL78/G12, RL78/G13, RL78/G14, RL78/G1A, RL78/F12, RL78/L12, RL78/F13, RL78/F14
Code Generator Plug-in 2	RL78 except the above, RX

Chapter 2. User's Manuals

Please read the following user's manuals together with this document.

Manual Name	Document Number
CubeSuite+ V2.02.00 RX Design	R20UT2862EJ0100
CubeSuite+ V2.02.00 Message	R20UT2871EJ0100

Chapter 3. Key Points for Selecting Uninstallation Method

There are two ways to uninstall this product.

- Use the integrated uninstaller (uninstalls CubeSuite)
- Use separate uninstaller (uninstalls this product only)

To use the separate uninstaller, select the following from the Control Panel:

- Add/Remove Programs (Windows XP)
- Programs and Features (Windows Vista, Windows 7, Windows 8)

Then select "CubeSuite+ Code Generator for RX".

Chapter 4. Changes

This chapter describes change from V1.00.00 to V1.01.00

No.	Description	Corresponds of code generation	
		RX111 V1.02.00.04	RX110 V1.02.00.04
1	Change of Data handled by polling	○	-
2	Change of Clock Generator Setting	○	-
3	Addition of PinView	○	-

4.1 Details of Changes

4.1.1 Change of Data handled by polling

The selection "Data handled by polling" was eliminated.

- Data processing settings for the serial communication interface (SCI)
- Data processing settings for the serial peripheral interface

This issue has been corrected in Code Generator for RX V1.01.00

4.1.2 Change of Clock Generator Setting

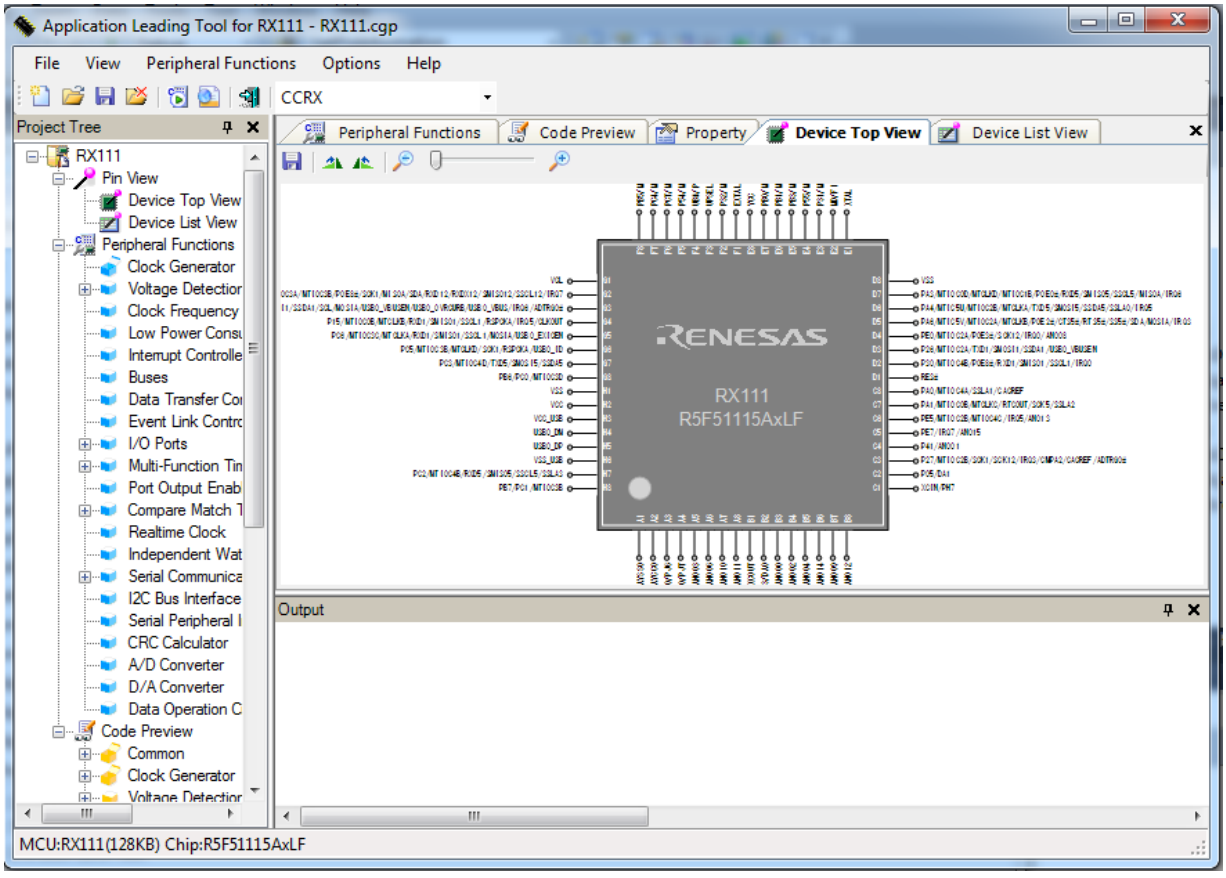
In the clock generator setting, it corrected so that the value exceeding restriction of a device could not be set up.

This issue has been corrected in Code Generator for RX V1.01.00

4.1.3 Addition of PinView

PinView displays current pin settings by CodeGenerator. There are Device Top View and Device List View.

This issue has been corrected in Code Generator for RX V1.01.00



Rotate 

Device Top View supports rotate function. It allows user to rotate the Device Top View either in clockwise or anti-clockwise direction in steps of 90 degree.

Zoom 

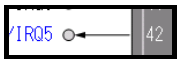
Device Top View supports zoom function. The zoom slider controls the zoom level.

Drag and Move

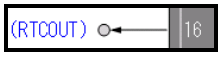
Device Top View supports mouse drags action. Hold down mouse left button on the graph and move will drag the graph around.

Highlight Pins by Peripheral

Device Top View will highlight the group of pins that belongs to the active CG peripheral (macro).

Input / Output (I/O) Direction Display 

Device Top View supports I/O direction of each pin. Input/output direction is indicated by an arrow.

Pin Label Color Highlight 

When pin label is displayed in blue color and indicated with parenthesis, it refers to pin function is configured in CodeGenerator.

Device Top View Output File 

Click on the “Save Device Top View” button on Device Top View toolbar, the Device Top View is saved as an image file, in PNG format.

Configure PinView Color in Property Window

PinView supports for user to change color, through the property window.

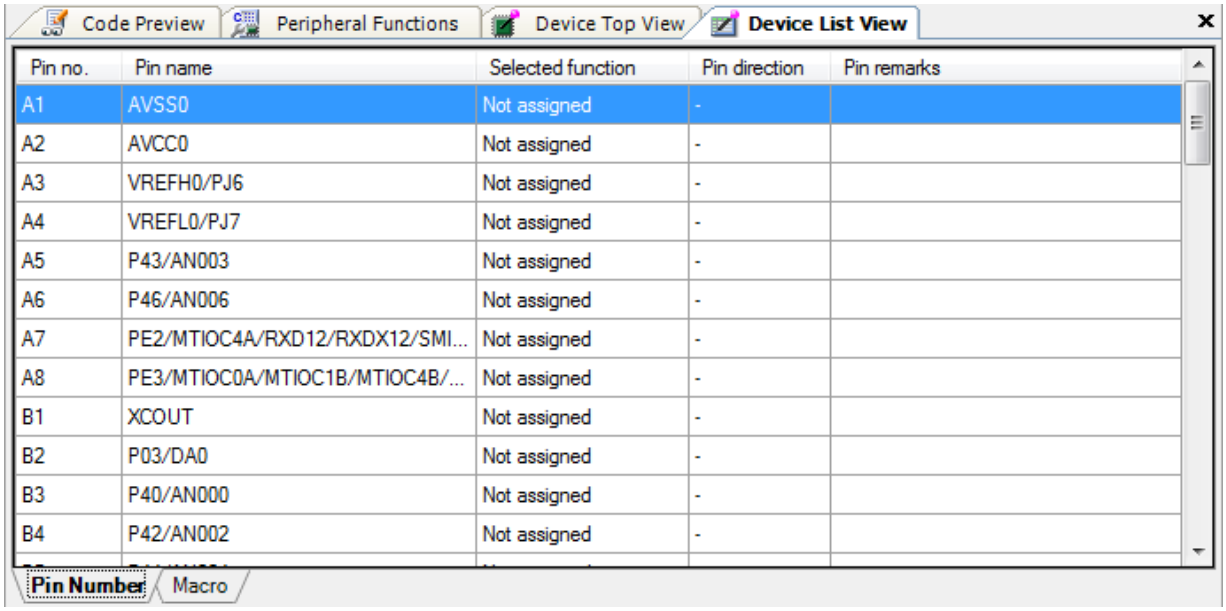
Right click on the Device Top View on project tree, the property window will pop up a right click menu.

Device List View

Device List view displays the pin information in a data grid format. It has two data lists: ‘Pin Number’ and ‘Macro’. Both lists refer to the same pin configuration as shown on the Device Top View.

Pin Number List Window

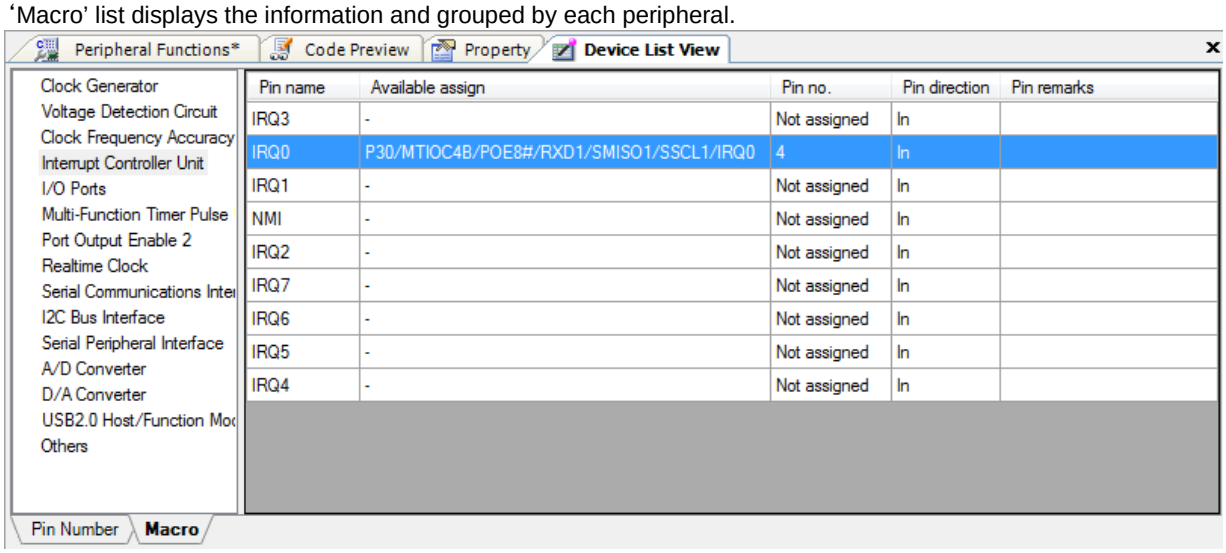
Pin Number list displays current pins configuration pin number.



Pin no.	Pin name	Selected function	Pin direction	Pin remarks
A1	AVSS0	Not assigned	-	
A2	AVCC0	Not assigned	-	
A3	VREFH0/PJ6	Not assigned	-	
A4	VREFL0/PJ7	Not assigned	-	
A5	P43/AN003	Not assigned	-	
A6	P46/AN006	Not assigned	-	
A7	PE2/MTIOC4A/RXD12/RXDX12/SMI...	Not assigned	-	
A8	PE3/MTIOC0A/MTIOC1B/MTIOC4B/...	Not assigned	-	
B1	XCOUT	Not assigned	-	
B2	P03/DA0	Not assigned	-	
B3	P40/AN000	Not assigned	-	
B4	P42/AN002	Not assigned	-	

Macro List Window

'Macro' list displays the information and grouped by each peripheral.



Pin name	Available assign	Pin no.	Pin direction	Pin remarks
IRQ3	-	Not assigned	In	
IRQ0	P30/MTIOC4B/POE8#/RXD1/SMISO1/SSCL1/IRQ0	4	In	
IRQ1	-	Not assigned	In	
NMI	-	Not assigned	In	
IRQ2	-	Not assigned	In	
IRQ7	-	Not assigned	In	
IRQ6	-	Not assigned	In	
IRQ5	-	Not assigned	In	
IRQ4	-	Not assigned	In	

Chapter 5. Cautions

5.1 Cautions List

No.	Description	Corresponds of code generation	
		RX111 V1.02.00.04	RX110 V1.02.00.04
1	Cautions of USB functions	○	/
2	Cautions of Low Power Consumption functions	○	○
3	Cautions of SCI Initialization (Asynchronous Mode) functions	○	○

○ : Correspondence, -: Not correspondence(finish of correction), /: Outside of function

5.2 Cautions Details

5.2.1 Cautions of USB functions

The code generator is not supporting the USB functions.

5.2.2 Cautions of Low Power Consumption functions

The code generator is not supporting the Low Power Consumption functions.

5.2.3 Cautions of SCI Initialization (Asynchronous Mode) functions

The code generator is not supporting the SCI Initialization (Asynchronous Mode) functions.

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