

Notes on Using Renesas Flash Programmer

When using Renesas Flash Programmer, a flash-memory-programming software tool, take note of the following problems:

- With timeout errors arising when FINE interface used for programming RX200 series MCUs (see NOTE)
- With display of Mode Pins at Disconnection category while programming RX family MCUs
- With connecting target system to host PC via COMx port

NOTE:

FINE is a single-wired or double-wired communication interface using the FINE terminal of the MCU. To use the FINE interface, select RX200(FINE) from the Using Microcontroller list box and E1/E20 from the Tool list box. Note that Renesas Flash Programmer does not support the double-wired communication.

1. Problem with Timeout Errors Arising When FINE Interface Used for Programming RX200 Series MCUs

1.1 Product and Version Concerned

Renesas Flash Programmer V2.01.00

1.2 MCUs Involved

RX200 series, RX family of MCUs

1.3 Description

Suppose that the E1 or E20 emulator is connected with an MCU of the RX200 series to be programmed via the FINE interface. If the malfunctioning of communication sends the following error message, hereafter Renesas Flash Programmer cannot communicate with the MCU again:

Error (E1017023): E1/E20 connection timed out.

Note, however, that if this error arises while the Query Generic Device dialog box is opened, Renesas Flash Programmer can communicate with the MCU again.

1.4 Workaround

Do the extraction and insertion of the USB cable from and to the E1 or E20 emulator; then restart Renesas Flash Programmer.

1.5 Schedule of Fixing Problem

We plan to fix this problem in the V2.03.00 product (to be published at the end of September 2013).

2. Problem with Display of Mode Pins at Disconnection Category while Programming RX Family MCUs

2.1 Product and Version Concerned

Renesas Flash Programmer V2.01.00

2.2 MCUs Involved

RX family of MCUs

2.3 Description

In a project created under the conditions described in Section 2.4, if the Tool list box for the project is switched to E1 or E20, the Mode Pins at Disconnection category on the Other Settings tab in Project Settings window is not shown.

2.4 Conditions

This problem arises if the following conditions are all satisfied:

- (1) RX is selected in the Using Target Microcontroller list box.
- (2) COMx or USB Direct is selected in the Tool list box.

2.5 Workaround

On the File menu in the menu bar, select Open a workspace command so that the workspace file can be reopened.

2.6 Schedule of Fixing Problem

We plan to fix this problem in the V2.03.00 product (to be published at the end of September 2013).

3. Problem with Connecting Target System to Host PC via COMx Port

3.1 Product and Versions Concerned

Renesas Flash Programmer V1.03.00, V1.03.01, V2.00.00, V2.00.01, and V2.01.00

3.2 MCUs Involved

RL78/G10 and RL78/G12 groups of MCUs

(In these MCUs, the reset pin can be used for other functions than reset.)

3.3 Description

Suppose that the program file where the PORTSELB value of the option byte 000C1H is 0 is written to an MCU, and the COMx port of the host PC is used to connect the target system with the PC.

If any command is executed in the above MCU, the following errors arise and the MCU cannot enter to the Flash Memory Programming mode:

- Error (E1000001): COMx communication time out.
- Error (E1002004): Communication failure or timeout.

3.4 Workaround

If you connect the target system to the COMx port of the host PC, do not write to the MCU any program file where the PORTSELB value of the option byte 000C1H is 0.

Otherwise, do not use the COMx port but connect the E1 or E20 emulator via a USB cable.

3.5 Schedule of Fixing Problem

We plan to fix this problem in the V2.03.00 product (to be published at the end of September 2013).

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