

Outline

When using the on-chip debugging emulator for the RL78 family in combination with the CS+ or e² studio integrated development environment, note the following point.

1. When the E2 emulator is used for the RL78 family

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1.1 Applicable Products

(1) CS+ integrated development environment shown below

- C Compiler package for RL78 family (with IDE)
CS+ for CC integrated development environment V6.00.00
- Evaluation edition of the CS+ integrated development environment
CS+ for CC integrated development environment V6.00.00

(2) e² studio integrated development environment V6.0.0

- Applicable emulator: E2 emulator

- Applicable MCUs: RL78 family

1.2 Details

(1) When the following conditions are all met, a communication error occurs, and connection from the debugger to the E2 emulator cannot be established.

Condition 1-1: RL78/G12, RL78/G11, or RL78/G10 group is used.

Condition 1-2: The port/reset shared pin is set to be used as the port function.
(The PORTSELB option byte is set to "0".)

Condition 1-3: Power is supplied from the external power supply to the user system.

(2) If (1) in section 1.2 does not apply, connection to the E2 emulator is successfully established, and all of the following conditions are met, the programs written in the MCU operate from the reset vector for about 10 ms from the moment of connection from the emulator debugger to the E2 emulator.

Condition 2-1: The RL78 family is used.

Condition 2-2: Power is supplied from an external power supply to the user system.

1.3 Provisional Countermeasures

We will offer the CS+ or e² studio integrated development environment for which we have taken respective countermeasures against (1) and (2) in section 1.2. Contact your local Renesas Electronics sales office or distributor if necessary.

Note that when taking countermeasures against (1) in section 1.2, you must also repair the E2 emulator.

Refer to the following web page for the details.

- RENESAS TOOL NEWS, Document No. R20TS0204EJ0100

[Notes] On-Chip Debugging Emulator E2 Emulator

1. When the E2 Emulator is Used for the RL78/G12, RL78/G11, and RL78/G10 Groups

<https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ts0204>

1.4 Schedule for Fixing the Problem

We will fix (1) and (2) in section 1.2 in the revised versions of the CS+ and e² studio integrated development environments that are planned to be made available in January 2018.

Note that when taking countermeasures against (1) in section 1.2, you must also repair the E2 emulator.

Refer to the following web page for the details.

- RENESAS TOOL NEWS, Document No. R20TS0204EJ0100

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1. When the E2 Emulator is Used for the RL78/G12, RL78/G11, and RL78/G10 Groups

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Revision History

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