

[Notes]

R20TS0402EJ0100

Rev.1.00

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## CS+ Integrated Development Environment

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### Outline

When using the CS+ integrated development environment, note the following point.

1. Point for caution when using the watch panel, local variable panel, and Python console panel

## 1. Point for caution when using the watch panel, local variable panel, and Python console panel

### 1.1 Applicable Products

- For RH850 and RX family:
  - CS+ for CC integrated development environment V3.00.00 to V8.01.00
  - CubeSuite+ integrated development environment V2.02.00 or later
  - [Evaluation edition] CS+ for CC integrated development environment V3.00.00 to V8.01.00
  - [Evaluation edition] CubeSuite+ integrated development environment V2.02.00 or later
- For RL78 family:
  - CS+ for CC integrated development environment V3.00.00 to V8.01.00
  - [Evaluation edition] CS+ for CC integrated development environment V3.00.00 to V8.01.00

### 1.2 Applicable MCUs

RH850 family, RX family, and RL78 family

### 1.3 Details

When using an emulator or simulator, it may not be possible to assign an integer correctly to a variable in the watch panel, local variable panel, or Python console panel.

### 1.4 Conditions

- For RH850 and RX family:

The problem occurs if all of the following conditions (a) to (c) are met:

  - (a) A variable of the signed, unsigned long long, float, or double type is used.
  - (b) Unary operator “-” or “~” is used.
  - (c) An integer ranging from 2147483648 to 4294967295 is assigned.

➤ For RL78 family:

The problem occurs if either of the following conditions (1) or (2) is met:

- (1) All of the following conditions (1-a) to (1-c) are met.
  - (1-a) A variable of the signed, unsigned long, float, or double type is used.
  - (1-b) Unary operator “-” or “~” is used.
  - (1-c) An integer ranging from 32768 to 65535 is assigned.
- (2) All of the following conditions (2-a) to (2-c) are met.
  - (2-a) A variable of the signed, unsigned long long, float, or double type is used.
  - (2-b) Unary operator “-” or “~” is used.
  - (2-c) An integer ranging from 32768 to 65535 or from 2147483648 to 4294967295 is assigned.

## 1.5 Workaround

Use the following methods to avoid the problem.

- Enter “(-1)\*integer” instead of unary operator “-”.  
Example: Enter “(-1)\*32768” instead of “-32768”.
  
- Enter “(-1)\*integer-1” instead of unary operator “~”.  
Example: Enter “(-1)\*32768-1” instead of “~32768”.

## 1.6 Schedule for Fixing the Problem

The problem will be fixed in the version upgrade scheduled to be released in July 2019.

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Feb. 16, 2019	-	First edition issued

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