

[Notes]

R20TS0038EJ0100

Rev.1.00

Jun. 16, 2016

CS+ Code Generator for RL78 (CS+ for CC)

CS+ Code Generator for RL78 (CS+ for CA and CX)

e<sup>2</sup> studio (Code Generator Plug-in)

## Outline

When using the CS+ Code Generator for RL78 (CS+ for CC), the CS+ Code Generator for RL78 (CS+ for CA and CX), and the e<sup>2</sup> studio (Code Generator Plug-in), take note of the problem on the following point that is described in this note.

1. Scan mode of A/D converter

Applicable MCUs: RL78/F12, RL78/F13, RL78/F14, RL78/F15, and RL78/G1A groups

2. Saving settings for the code generator

Applicable products: RL78/F12 group, RL78/F13 group, RL78/F14 group, RL78/F15 group, RL78/G10 group, RL78/G12 group, RL78/G13 group, RL78/G14 group, RL78/G1A group, RL78/G1C group, RL78/G1D group, RL78/G1E group, RL78/G1F group, RL78/G1G group, RL78/G1H group, RL78/I1A group, RL78/I1D group, RL78/I1E group, RL78/L12 group, RL78/L13 group and RL78/L1C group

## 1. Scan Mode of A/D Converter

### 1.1 Applicable Products

- V2.05.00 and the later versions of the CS+ Code Generator for RL78 (CS+ for CC)
- V2.05.00 and the later versions of the CS+ Code Generator for RL78 (CS+ for CA and CX)
- V3.1.0.24 and the later versions of the e<sup>2</sup> studio (V1.1.2 and later versions of the Code Generator Plug-in)

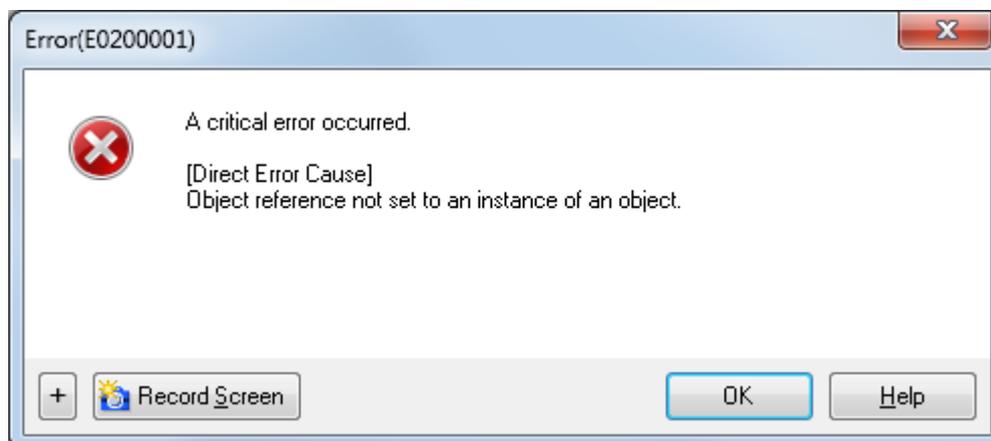
### 1.2 Applicable MCUs

- RL78 family: RL78/F12, RL78/F13, RL78/F14, RL78/F15, and RL78/G1A groups

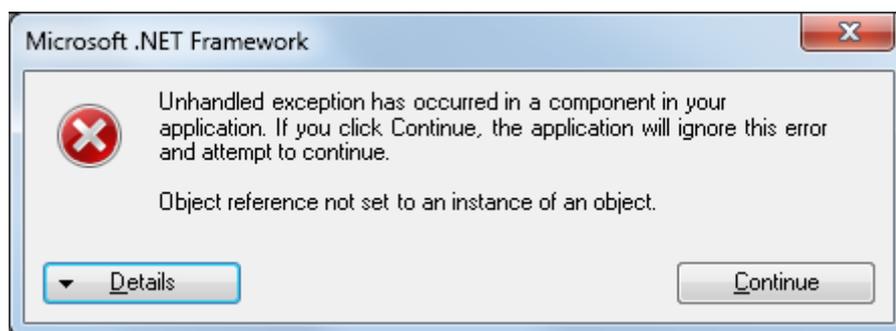
### 1.3 Details

The following error dialog boxes might be displayed when the A/D converter is used in serial scan mode or one-shot scan mode, and three or fewer analog input pins are selected.

- The error dialog box in the case of the CS+ Code Generators for the RL78 (CS+ for CC, and CS+ for CA and CX).



- The error dialog box in the case of the e<sup>2</sup> studio (Code Generator Plug-in)

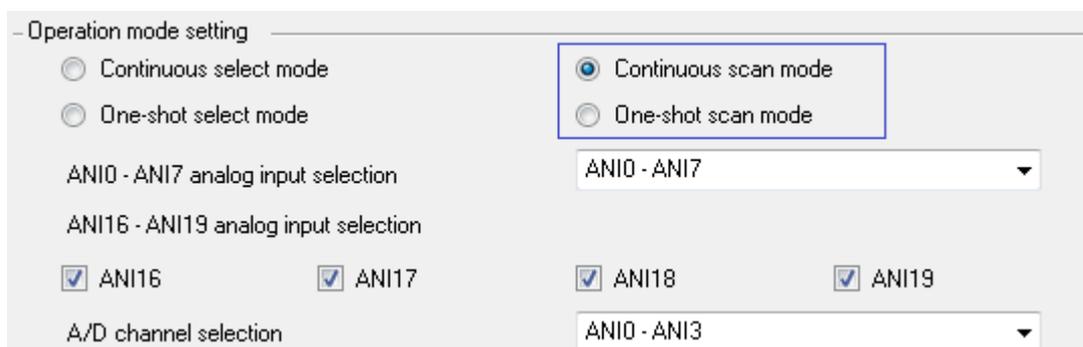


## 1.4 Conditions

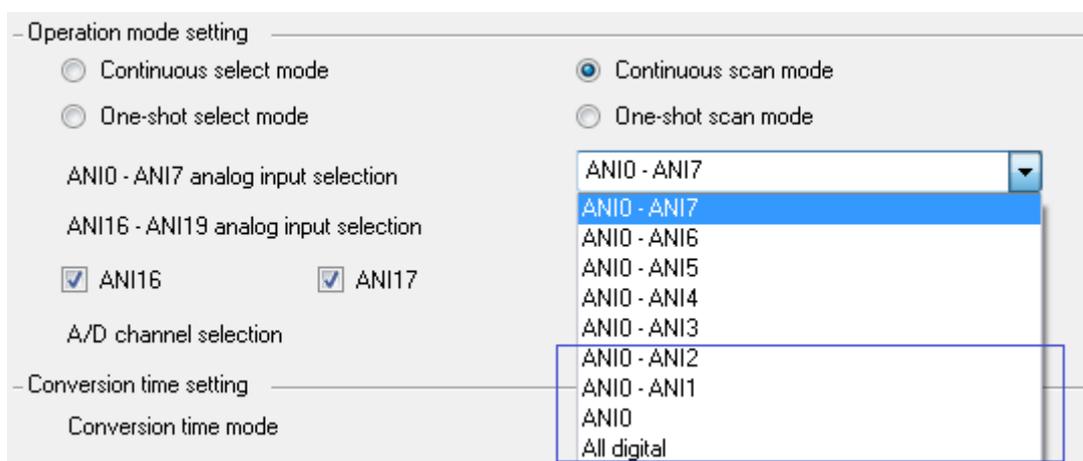
This problem arises after the following sequence of operations.

Remark: The following figures show an example for the RL78/F12 R5F109LE (64 pins).

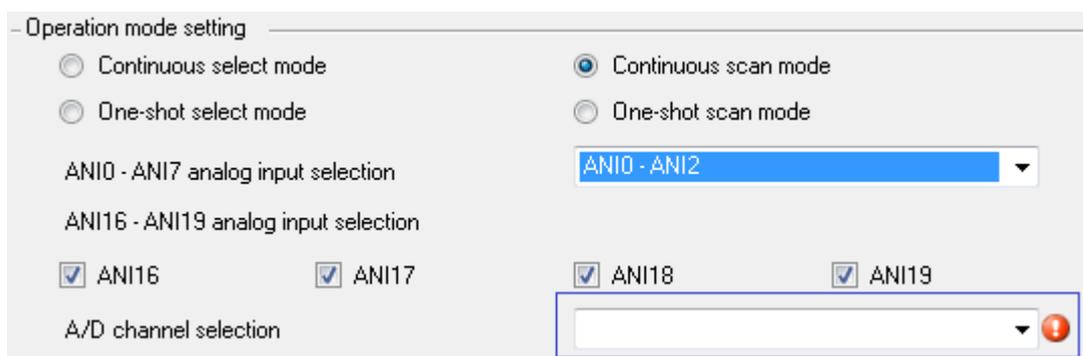
- (1) [Operating mode setting] of A/D converter is set to [Continuous scan mode] or [One-shot scan mode].



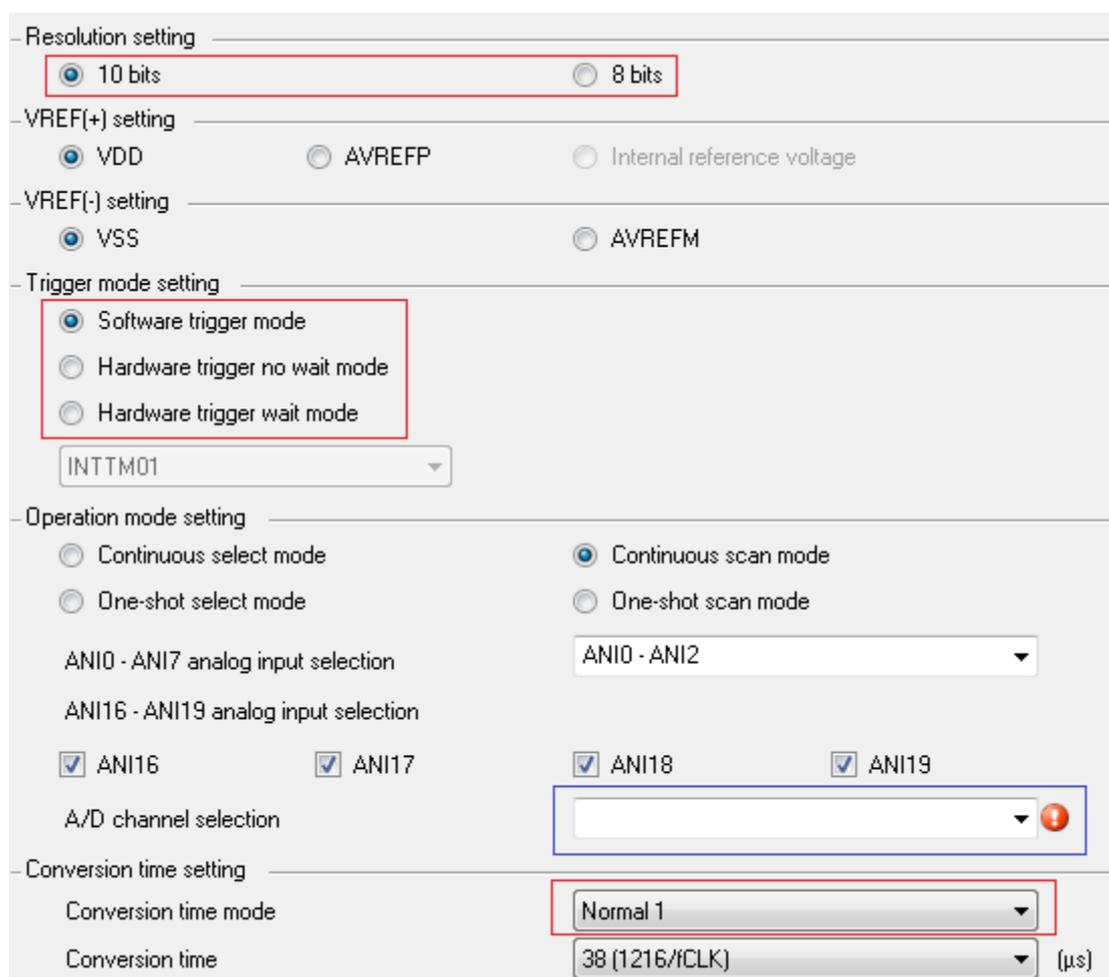
- (2) The analog pin setting is three or fewer pins in [ANIO - ANIn analog input selection] (n = 2 to 23).



The pull-down menu for A/D channel selection becomes empty and the icon  is displayed.



- (3) The [Resolution setting], [Trigger mode setting], or [Conversion time setting] (parts framed by red rectangles below) is changed, while the pull-down menu of the above A/D channel selection has become empty and the icon  (framed by a blue rectangle below) is displayed.



## 1.5 Workaround

Click the [OK] or [Continue] button of the error dialog box. You can still use the C source code since the problem does not affect the generated C source code.

Although the pull-down menu of the A/D channel selection becomes empty and the icon  is displayed, it does not matter in this case.

## 1.6 Schedule for Fixing the Problem

This problem will be fixed in a later version.

## 2. Saving Settings for the Code Generator

### 2.1 Applicable Products

- V4.0.0.26 and later versions of the e<sup>2</sup> studio (V2.0.0 and later versions of the Code Generator Plug-in)

### 2.2 Applicable MCUs

- RL78 family: RL78/F12 group, RL78/F13 group, RL78/F14 group, RL78/F15 group, RL78/G10 group, RL78/G12 group, RL78/G13 group, RL78/G14 group, RL78/G1A group, RL78/G1C group, RL78/G1D group, RL78/G1E group, RL78/G1F group, RL78/G1G group, RL78/G1H group, RL78/I1A group, RL78/I1B group, RL78/I1D group, RL78/I1E group, RL78/L12 group, RL78/L13 group and RL78/L1C group

### 2.3 Details

Saving a project might not be possible if the code generator of the e<sup>2</sup> studio has been used to set up certain peripheral functions. In this case, [Save] or [Save All] in [File] menu are not able to be chosen.

### 2.4 Conditions

This problem arises after the following sequence of operations.

- (1) Create new C project with Code Generator.
- (2) Configure the information necessary to control the peripheral functions, and [Save] or [Save All] in [File] menu.
- (3) Exiting e<sup>2</sup> studio with [C/C++] perspective.
- (4) Restart e<sup>2</sup> studio.

### 2.5 Workaround

When using the code generator of the e<sup>2</sup> studio, exiting e<sup>2</sup> studio with [Code Generator] perspective. Code Generator perspective could be open/reset use [Window] > [Perspective] > [Open Perspective] > [Other] > [Code Generator].

If you can't save project in the operation described in the above 2.4, it can be avoided by restarting to exit the e<sup>2</sup> studio from switching to [code generation] perspective.

### 2.6 Schedule for Fixing the Problem

This problem will be fixed in the next version in July, 2016.

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Jun. 16, 2016	-	First edition issued

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