

[Notes]

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Rev.1.00

Jul. 16, 2016

C Compiler CA78K0R for RL78 Family and 78K0R

C Compiler CC78K0R for 78K0R

C Compiler CA78K0 and CC78K0 for 78K0

Outline

When using the CA78K0R C Compiler for the RL78 family and 78K0R, the CC78K0R C Compiler for the 78K0R, and the CA78K0/CC78K0 C Compiler for the 78K0, take note of the problems described in this note regarding the following points.

1. Notes when writing #pragma section statement in the nested header file

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1.1 Applicable Products

- CA78K0R V1.70 to V1.72 (CS+ Integrated Development Environment)
- CA78K0R V1.20 to V1.70 (CubeSuite+ Integrated Development Environment)
- CA78K0R V1.00 to V1.10 (CubeSuite Integrated Development Environment)
- CC78K0R V1.00 to V2.13 (PM+ Integrated Development Environment)
- CA78K0 V1.30 (CS+ Integrated Development Environment)
- CA78K0 V1.20 to V1.21 (CubeSuite+ Integrated Development Environment)
- CA78K0 V1.00 to V1.11 (CubeSuite Integrated Development Environment)
- CC78K0 V1.00 to V4.10 (PM+ Integrated Development Environment)

1.2 Details

When #pragma section statement is used in the nested header file, data may not be placed in the specified section.

1.3 Conditions

This problem may arise when all the conditions below are met:

- (1) C source file includes a header file (hereinafter "file A"), and the file A includes the other header file (hereinafter "file B").
- (2) #pragma section statement is used in the file A or B (*1), except the case when it is used in the C source file.

*1: This applies to the header file that the file B further includes as well.

Example

```
#include "incl.h" /* Condition(1) */
intil;          /* Put in the DATA_H2 section not in the DATA_H1 section */
void func(void)
{
}

[incl.h]
#include "inc2.h" /* Condition(1) */
#pragma section @@DATA DATA_H1 /* Condition(2) */
inth1_il;      /* Put in the @@DATA section not in the DATA_H1 section */

[inc2.h]
inth2_il;
#pragma section @@DATA DATA_H2 /* Condition(2) */
```

1.4 Workaround

Do not write #pragma section statement in the file A and B.

Note: This applies to the header file that the file B further includes as well.

1.5 Schedule for Fixing the Problem

There is no plan to resolve this issue.

Revision History

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

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