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A Note on Using the C Compiler Package V.5.43 Release 00 for the M16C Series of MCUs --With Using Preprocessing Directive #pragma SECTION--

Please take note of the following problem in using the C compiler package-- M3T-NC30WA--for the M16C series of MCUs:

With using preprocessing directive #pragma SECTION

1. Product and Version Concerned

The C compiler package--M3T-NC30WA--for the M16C series* V.5.43 Release 00

*The M16C series is the generic name of the M16C/60, /30, /20, /10, /Tiny, and R8C/Tiny series.

2. Description

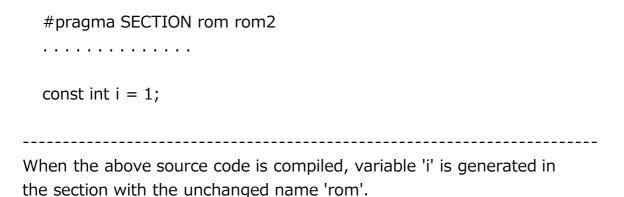
If the name of the section where a const-qualified variable is to be generated is changed by using preprocessing directive #pragma SECTION, the variable may be generated in an incorrect section.

3. Conditions

This problem occurs if the following conditions are all satisfied:

- (1) A variable of type const is declared to be extern.
- (2) After the declaration of (1), #pragma SECTION declares the name of a section with the ROM property to be changed.
- (3) After the declaration in (2), a declaration is made of the variable of type const that has been declared to be extern in (1)

Example:		
extern const int i;		



4. Workaround

Use the #pragma SECTION directive before declaring a const-qualified variable to be extern.

5. Schedule of Fixing the Problem

We plan to fix this problem in the next release of the product.

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