

## 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;

```
#pragma SECTION rom rom2
```

```
.....
```

```
const int i = 1;
```

---

When the above source code is compiled, variable 'i' is generated in the section with the unchanged name 'rom'.

#### **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.

---

#### **[Disclaimer]**

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included. The URLs in the Tool News also may be subject to change or become invalid without prior notice.

© 2010-2016 Renesas Electronics Corporation. All rights reserved.