

## A Note on Using the C Compiler Packages M3T-NC308WA and M3T-NC30WA

Please take note of the following problem in using the C compiler packages M3T-NC308WA and M3T-NC30WA, which are used for the M16C family of MCUs:

- On placing functions in sections

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### 1. Products and Versions Concerned

M3T-NC308WA V.5.20 Release 1 and V.5.20 Release 02  
(for the M32C/90 and the M32C/80 series; and the M16C/80 series)

M3T-NC30WA V.5.30 Release 1 and V.5.30 Release 02  
(for the M16C/60, M16C/30, M16C/20, M16C/10, M16C/Tiny and R8C/Tiny series)

### 2. Description

If the conditions described below are all satisfied in a file, the functions in the file may be placed in sections other than the specified ones.

Conditions:

- (1) Compile option `-Oforward_function_to_inline` (`-OFFTI`) is selected.
- (2) Section names are changed using the `#pragma SECTION` directive.

Example:

In this program, functions `func_1()` and `func_2()` are placed in the `prog` section.

```
-----  
void func_1(void)  
{  
    .....  
}
```

```
#pragma SECTION    program prog    /* Condition (2) */  
void func_2(void)  
{  
    .....  
}  
-----
```

### 3. **Workaround**

Don't select compile option -OFFTI for the file in which section names are changed using the #pragma SECTION directive.

### 4. **Schedule of Fixing the Problem**

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

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