

RENESAS TOOL NEWS on December 16, 2004: RSO-M3T-NC308WA_3-041216D

A Note on Using the M3T-NC308WA and M3T-NC30WA C-Compiler Packages --On Using the -OFFTI Compile Option--

Please take note of the following problem in using the M3T-NC308WA and M3T-NC30WA C-compiler packages:

- On using the `-Ofoward_function_to_inline` (`-OFFTI`) compile option
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1. Products and Versions Concerned

M3T-NC308WA V.5.20 Release 1

(for the M32C/90, M32C/80 and M16C/80 series)

M3T-NC30WA V.5.30 Release 1

(for the M16C/60, M16C/30, M16C/Tiny, M16C/20, M16C/10, and R8C/Tiny series)

2. Description

If compile options `-Ofoward_function_to_inline` (`-OFFTI`) and `-g` are selected at the same time, debug information cannot be generated though assembler code is generated properly.

3. Workaround

Don't select compile option `-OFFTI`. And, if an inline function that is forward-addressed is contained in the C-language program, change the place of the inline function so that it can be backward-addressed.

Example Original:

```
-----  
inline void sub(void);
```

```
void main(void)
```

```
{
```

```
    sub();    /* Forward-addressed inline function called */
```

```
}  
  
inline void sub(void)  
{  
.....  
}  
-----
```

Example Modified:

```
-----  
inline void sub(void)  
{  
.....  
}  
  
void main(void)  
{  
    sub(); /* Backward-addressed inline function called */  
}  
-----
```

4. **Schedule of Fixing the Problem**

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

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