RENESAS Tool News

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A Note on Using the C Compiler Packages for the M16C Family of MCUs

Please take note of the following problem in using the C compiler packages for the M16C family of MCUs:

- With referencing the Map Symbol Information window

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1. Products and Versions Concerned

(1) The C compiler package for the R32C series V.1.01 Release 00
(2) The C compiler package for the M32C series (M3T-NC308WA)
V.5.41 Release 00 and V.5.41 Release 01 (NOTE 1)
(3) The C compiler package for the M16C series and R8C family (M3T-NC30WA)
V.5.42 Release 1 through V.5.44 Release 00 (NOTE 2)

NOTES:
1. The M32C series is the generic name of the M32C/80 and M16C/80 series.
2. The M16C series is the generic name of the M16C/60, /50, /30, /20, /10, and /Tiny series.

2. Description

Symbols of a type may not be presented in the Map Symbol Information window of High-performance Embedded Workshop, and so in the Symbol List item in the map file generated by the linker, which is the information source to the above window.
The symbols that may not be presented are the symbols of functions defined last in each C source file.

NOTICES:
(1) This problem does not occur if compile option -finfo is not selected, or -fno_align is selected.

(2) The presentation in the Map Symbol Information window is only concerned in this problem; that is, code generated by the compiler and information used for debugging can be used properly.

3. Workaround

The beginning addresses of the symbols of functions not presented are shown in either of the following items in the map file, so see it:

"(3) GLOBAL LABEL INFORMATION"

"(6) LOCAL LABEL INFORMATION"

4. Schedule of Fixing the Problem

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