

RENESAS TOOL NEWS [RSO-M3T-NC308WA_1-030601D]

A Note on Using C Compiler M3T-NC308WA

Please take note of the following problem in using the M3T-NC308WA C compiler (with an assembler and integrated development environment) for the M32C/80 and M16C/80 series MCUs:

• On arithmetic right shift of a variable of type long long

1. Versions Concerned

The M3T-NC308WA V.5.00 Release 1 and V.5.10 Release 1 for the M32C/80 and M16C/80 series MCUs

2. Description

Arithmetically right shifting a variable of type signed long long and then storing the result back into the variable causes incorrect code to be generated.

3. Example

4. Workaround

Assign the variable to be shifted to a temporary variable; next, arithmetically right shift the latter; then store the result of shift into the former.

5. Schedule of Fixing the Problem

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

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