

A Note on Using the C/C++ Compiler Package for the M32R MCU Family M3T-CC32R V.5.01 Release 00 --With Making a Function-Like Macro Statement That Extends Over More Than One Line and Uses Comments Beginning with // or Enclosed with /* and */--

Please take note of the following problem in using the C/C++ compiler package for the M32R MCU family M3T-CC32R V.5.01 Release 00:

- With making a function-like macro statement that extends over more than one line and uses comments beginning with // or enclosed with /* and */

1. Description

If a function-like macro statement is made which extends over more than one line and uses comment statements beginning with // or enclosed with /* and */, the following error message may be dispatched during compilation:

```
error: unterminated comment
```

2. Conditions

This problem may occur if the following conditions are all satisfied:

- (1) A function-like macro is stated extending over more than one line.
- (2) In the ending line of the macro in (1), a comment statement beginning with // or enclosed with /* and */ is placed.
- (3) In the line immediately before the line in (2), another comment statement beginning with // is placed.
- (4) The size of the C source file concerned is greater than 512 bytes.
Note that the size includes that of the include files if they are.

3. Example

```
#define SAMPLE_MACRO(a,b,c) (a + b + c)
  /* This program part omitted */
int func(void)
{
  return SAMPLE_MACRO( 1,
                      2, // No.2  <-- Conditions (1) and (3)
                      3); // No.3  <-- Conditions (1) and (2)

}
```

In the above example, the problem may not arise depending on the descriptions of the omitted program part.

4. Workarounds

Delete the comment statement in Condition (3), which begins with `//`, or change it to the one enclosed with `/*` and `*/`.

Example:

```
return SAMPLE_MACRO( 1,
                    2, /* No.2 */ <-- Enclosed with /* and */
                    3); // No.3
```

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