[Notes]

IECUBE Full-Spec. Emulator for the RL78 Family

Outline

When using the IECUBE full-spec emulator for the RL78 family, take note of the problem on the following point that is described in this note.

1. Erasing of a block not intended for erasure when erasing blocks of data flash memory

1. Erasing of a Block Not Intended for Erasure When Erasing Blocks of Data Flash Memory

1.1 Applicable Products

IECUBE for RL78 family

Table 1 Names of Applicable Products

Name of Applicable Product	Reference Letter
QB-RL78G13	A, B, C
QB-RL78G14	A, B
QB-RL78G1A	A
QB-RL78G1C	A
QB-RL78G1F	A
QB-RL78I1A	A
QB-RL78L12	A
QB-RL78L1C	A
QB-RL78F12	A, B
QB-RL78F14	A
QB-RL78F15	A
QB-RL78D1A	A, B, C
QB-RL78D1A2	D

You can check the reference letter on the bottom of the IECUBE main unit.

The reference letter is C in this case.

Renesas   Produced xxxx

QB-RL78G13
DC IN : 15V
SERIAL NO.   RC********
Renesas Electronics Corporation

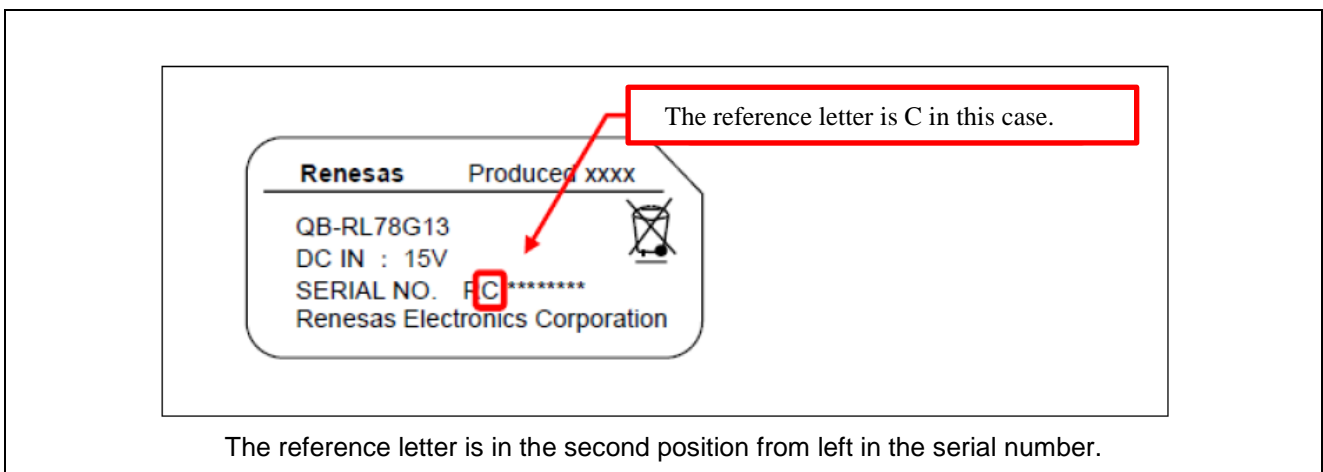The reference letter is in the second position from left in the serial number.

Figure 1 Checking the Reference Letter (on the Label of a QB-RL78G13 in the Example)

1.2 Details

Using a user program to erase a block of the data flash memory may lead to erasure of the first byte of a block outside the intended range.

This problem only occurs with IECUBE, and not with actual devices, on-chip debugging, or simulators.

1.3 Conditions

This problem may arise whenever a user program includes the erasure of blocks of data flash memory.

1.4 Workaround

We will individually provide you with modified software for IECUBE.

Contact your local Renesas Electronics sales office or distributor with the following information to obtain the modified software for IECUBE.

➢ Name of the IECUBE product and the reference letter

➢ Type of the integrated development environment that you are using (any of the following)

   - CS+ for CC

   - CS+ for CA,CX

   − e^2 studio

   - IAR Embedded Workbench

Note: The reference letter of your IECUBE should be updated before you start using the modified software for IECUBE. If the IECUBE has any of the reference letters listed in table 2, ask your local Renesas Electronics sales office or distributor to upgrade it.

Table 2 Products and Reference Letters which Require Upgrading in Advance

Product Name	Reference Letter
QB-RL78G13	A, B
QB-RL78G14	A
QB-RL78F12	A
QB-RL78D1A	A, B

1.5 Schedule for Fixing the Problem

The modified software for IECUBE will be officially released in October 2016.

Revision History

Rev.	Date	Description	
		Page	**Summary**
1.00	Aug. 01, 2016	-	First edition issued

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■Inquiry

http://www.renesas.com/contact/