Microcontroller Technical Information

QB-78K0RLX3 In-Circuit Emulator for 78K0R/LF3, 78K0R/LG3, 78K0R/LH3 Usage Restrictions	Document No.	ZBG-CD-10-0033	1/1
	Date issued	August 30, 2010	
	Issued by	MCU Tool Product Marketing Department MCU Software Division MCU Business Unit Renesas Electronics Corporation	
Related documents QB-78K0RLX3 User's Manual: U19336EJ2V0UM00 QB-78K0RLX3 In-Circuit Emulator for 78K0R/LF3, 78K0R/LG3, 78K0R/LH3 Upgrade: ZBG-CD-10-0034	Notification classification	√	Usage restriction
			Upgrade
			Document modification
			Other notification

1. Affected product

Product	Outline	Control Code[Note]
QB-78K0RLX3	In-circuit emulator for 78K0R/LF3, 78K0R/LG3, 78K0R/LH3	A, B

Note   The control code is the second digit from the left in the 10-digit serial number. To see if the product has been upgraded, click the ID78K0R-QB **Help** menu, select **About**, and then check the control code. *X* in **IECUBE **** *X* F/W: V*.**** is the control code.

2. New restrictions

Restriction No. 2 and No. 3 have been added. See the attachment for details.

3. Workarounds

See the attachment for details.

4. Modification schedule

Products in which No. 2 and No. 3 are corrected are scheduled for release as follows:

Accepting orders of corrected products (control code C):   From September 1, 2010

Accepting orders for exchanging already shipped products: Available from September 1, 2010

* Note that this schedule is subject to change without notice. For the detailed release schedule of modified products, contact a Renesas Electronics sales representative.

5. List of restrictions

See the attachment.

6. Document revision history

Document Number	Issued on	Description
ZBG-CD-09-0032	June 16, 2009	1st edition
ZBG-CD-10-0033	August 30, 2010	Addition of restrictions (No. 2 and No. 3)

Operating Precautions for QB-78K0RLX3

This document describes the restrictions applicable to this emulator, and for which correction is planned.

See the following documents for the restrictions related to the target device:

- User's manual of target device
- Restrictions notification document for target device

Also see the user's manual for cautions on using this emulator.

1. Product Version

The product version of the Renesas Electronics in-circuit emulator IECUBE is indicated by a control code. The control code is the second digit from the left in the 10-digit serial number. To see if the product has been upgraded, click the ID78K0R-QB **Help** menu, select **About**, and then check the control code. In Figure 2, *X* in **IECUBE **** X F/W: V*.*** is the control code.

Figure 1. Checking the Control Code (Label on QB-78K0RLX3)
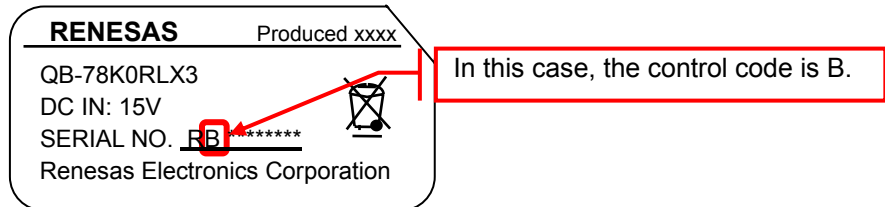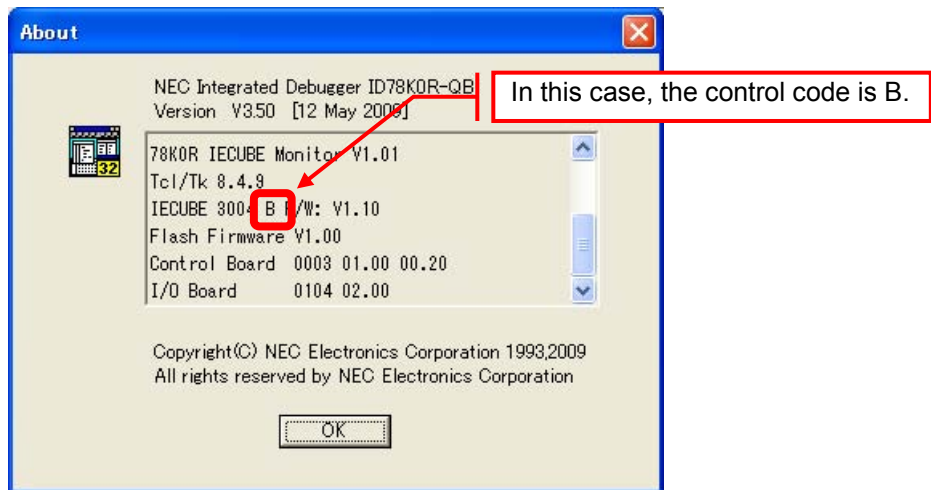

Figure 2. Checking the Control Code (ID78K0R-QB)

2. Restrictions

2.1 Restriction List

No.	Restrictions	Control Code	
		A	B
1	Restriction on LCD blinking	×	○
2	Restriction whereby the LCD function can not be operated when stopping a main clock	×	×
3	Restriction whereby the A/D conversion result is "0" during continuous conversion mode	×	×

×: Applicable, ○: Corrected

2.2 Restriction Details

No. 1   Restriction on LCD blinking

Description:

  LCD blinking (alternately displaying data in the A-pattern and B-pattern areas) cannot be emulated.

Workaround:

  There is no workaround.

Correction:

  This issue has been corrected in products with control code B.

No. 2   Restriction whereby the LCD function can not be operated when stopping a main clock

Description:

  When stopping a main clock, the LCD function can not be operated.

Workaround:

  There is no workaround.

Correction:

  This issue will be corrected in products with control code C.

No. 3   Restriction whereby the A/D conversion result is "0" during continuous conversion mode

Description:

  During continuous conversion mode, the A/D conversion result is "0".

Workaround:

  There is no workaround.

Correction:

  This issue will be corrected in products with control code C.