Microcontroller Technical Information

QB-78K0RLX3
In-Circuit Emulator for 78K0R/LF3, 78K0R/LG3, 78K0R/LH3

Usage Restrictions

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

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<th>Product</th>
<th>Outline</th>
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<td>QB-78K0RLX3</td>
<td>In-circuit emulator for 78K0R/LF3, 78K0R/LG3, 78K0R/LH3</td>
<td>A, B</td>
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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

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

In this case, the control code is B.

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

In this case, the control code is B.
2. Restrictions

2.1 Restriction List

<table>
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<th>Control Code</th>
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<td>O</td>
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<td>2</td>
<td>Restriction whereby the LCD function cannot be operated when stopping a main</td>
<td></td>
<td></td>
</tr>
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<td></td>
<td>clock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Restriction whereby the A/D conversion result is “0” during continuous</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>conversion mode</td>
<td></td>
<td></td>
</tr>
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</table>

×: Applicable, O: 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 cannot be operated when stopping a main clock

Description:

When stopping a main clock, the LCD function cannot 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.