

Microcontroller Technical Information

<p>QB-78K0LX2</p> <p>In-Circuit Emulator for</p> <p>78K0/LE2, 78K0/LF2, 78K0/LG2</p> <p>Upgrade</p>	Document No.	ZBG-CD-08-0014	1/2
	Date issued	April 14, 2008	
	Issued by	<p>Development Tool Solution Group</p> <p>Multipurpose Microcomputer Systems Division</p> <p>Microcomputer Operations Unit</p> <p>NEC Electronics Corporation</p>	
<p>Related documents</p> <p>QB-78K0LX2 (Control Code: A, B, C)</p> <p>Operating Precautions: ZUD-CD-06-0111</p> <p>QB-78K0LX2 User's Manual: U17468EJ4V0</p>	Notification classification		Usage restriction
		√	Upgrade
			Document modification
			Other notification

1. Target product and version

Product	Outline	Control Code ^{Note}	Upgrade Method
QB-78K0LX2	In-circuit emulator for 78K0/LE2, 78K0/LF2, 78K0/LG2	A	Upgrade by sending the product to NEC Electronics
		B, C	Upgrade by user or upgrade by sending the product to NEC Electronics

It is not necessary to upgrade control code D.

2. Upgrade details

Emulation for the boot swap function is now supported. When using this function, use the tools in the following combinations.

- ID78K0-QB: V3.00 or later
- QB-78K0LX2: Control code D or later

3. Upgrade start date

Two types of upgrade are available.

Both methods are available, but we request customers to upgrade the product as indicated in “3.1 Upgrade by user”, because upgrades by sending the product to NEC Electronics may require two weeks or longer.

3.1 Upgrade by user (users who have an IECUBE with control code^{Note} B or later)

The upgrade file can be downloaded from the website from April 24, 2008.

Download the latest version of the upgrade file from the Development Tools Download page on the NEC Electronics website, and upgrade the product by referring to *How to Upgrade QB-78K0LX2* (ZUD-CD-08-0049), which is included with the upgrade file.

URL: <http://www.necel.com/micro/en/ods/> → Click “Version-up Service”.

Note The “control code” is the second digit from the left in the 10-digit serial number.

If the product has been upgraded, the control code can be checked by selecting [About] from the [Help] menu while the ID78K0-QB is running.

“X” in version information “IECUBE **** X F/W: V*. **” is the control code.

3.2 Upgrade by sending the product to NEC Electronics

Upgrading by sending the product will be available from April 24, 2008.

Upgrade by sending the product to NEC Electronics is available. Consult an NEC Electronics sales representative or distributor.

The upgrade described herein will be provided for free for a period of one year from the above date. After the free upgrade period expires, an upgrade will be available for a fee. We therefore recommend that you take advantage of the free upgrade offer during the free upgrade period.

- Note** The “control code” is the second digit from the left in the 10-digit serial number.
- If the product has been upgraded, the control code can be checked in the About dialog box of integrated debugger ID78K0-QB.
- “X” in version information “IECUBE **** X F/W: V*.**” is the control code.

- Open the About dialog box in either of the following ways.
 - Select [About...] under [Help] from the menu bar on the main window.
 - Press the ALT, H and A keys in that order.

