

# Microcontroller Technical Information

QB-78K0RFX3 In-Circuit Emulator for 78K0R/FB3, 78K0R/FC3, 78K0R/FE3, 78K0R/FF3, 78K0R/FG3 Upgrade	Document No.	ZBG-CD-10-0002	1/1
	Date issued	January 13, 2010	
	Issued by	Development Tool Solution Group Multipurpose Microcomputer Systems Division Microcomputer Operations Unit NEC Electronics Corporation	
Related documents QB-78K0RFX3 User's Manual: ZUD-CD-09-0139-02 QB-78K0RFX3 In-Circuit Emulator for 78K0R/FB3, 78K0R/FC3, 78K0R/FE3, 78K0R/FF3, 78K0R/FG3 - Usage Restrictions: ZBG-CD-10-0001 How to Upgrade QB-78K0RFX3: ZUD-CD-10-0002	Notification classification		Usage restriction
		√	Upgrade
			Document modification
			Other notification

## 1. Target product and version

Product	Outline	Control Code <sup>Note</sup>	Upgrade Method
QB-78K0RFX3	In-circuit emulator for 78K0R/FB3, 78K0R/FC3, 78K0R/FE3, 78K0R/FF3, 78K0R/FG3	A, B	Upgrade by sending the product to NEC Electronics
		C	Upgrade by the user or upgrade by sending the product to NEC Electronics

It is not necessary to upgrade control code D.

**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. Upgrade details

Restriction No. 6, described in *QB-78K0RFX3 In-Circuit Emulator for 78K0R/FB3, 78K0R/FC3, 78K0R/FE3, 78K0R/FF3, 78K0R/FG3 - Usage Restrictions* (ZBG-CD-10-0001), will be corrected. After upgrading, the control code will be D. See the document for details.

## 3. Upgrade by sending the product to NEC Electronics

Two types of upgrade are available: upgrade by the user and upgrade by sending the product to NEC Electronics. Both methods are available for a QB-78K0RFX3 with control code C, but we recommend that you upgrade the product, because upgrades by sending the product to NEC Electronics might require two weeks or longer. For a QB-78K0RFX3 with control code A or B, send the product to NEC Electronics.

### 3.1 Upgrade by a user (who uses a QB-78K0RFX3 with control code C)

*The upgrade file can be downloaded from the website from January 22, 2010.*

This schedule may change.

The latest version of the upgrade file (for firmware, FPGA data, etc.) is available on the Development Tools Download page on the NEC Electronics website.

Download the latest version and upgrade the product by referring to *How to Upgrade QB-78K0RFX3* (ZUD-CD-10-0002), which is included with the upgrade file.

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

Category: Each Development Tool → IECUBE\_Software

Product Name: QB-78K0RFX3

Version: Rev. D

### 3.2 Upgrade by sending the product to NEC Electronics

*Upgrading by sending the product will be available from January 29, 2010.*

This schedule may change. For details, contact 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.