

# Microcontroller Technical Information

<p>QB-78F1026 In-Circuit Emulator for 78K0R/KC3-L (USB), 78K0R/KE3-L (USB)</p> <p>Upgrade</p>	Document No.	ZBG-CD-10-0027	1/2
	Date issued	July 29, 2010	
	Issued by	MCU Tool Product Marketing Department MCU Software Division MCU Business Unit Renesas Electronics Corporation	
<p>Related documents</p> <p>QB-78F1026 In-Circuit Emulator for 78K0R/KC3-L (USB), 78K0R/KE3-L (USB) - Usage Restrictions: ZBG-CD-10-0026</p> <p>QB-78F1026 (Control Code: A, B) Operating Precautions: ZUD-CD-10-0210</p>	Notification classification		Usage restriction
		√	Upgrade
			Document modification
			Other notification

## 1. Target product and version

Product	Outline	Control Code <sup>Note</sup>	Upgrade Method
QB-78F1026	In-circuit emulator for 78K0R/KC3-L (USB), 78K0R/KE3-L (USB)	A	Upgrade by the user or upgrade by sending the product to Renesas Electronics

**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 FW: V\*.\*\*** is the control code.

## 2. Upgrade details

Restriction No. 1, described in *QB-78F1026 In-Circuit Emulator for 78K0R/KC3-L (USB), 78K0R/KE3-L (USB) - Usage Restrictions* (ZBG-CD-10-0026), will be corrected. After upgrading, the control code will be B.

See the document for details.

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

Two types of upgrade are available: upgrade by the user and upgrade by sending the product to Renesas Electronics. Both methods are available, but we recommend that you upgrade the product, because upgrades by sending the product to Renesas Electronics might require two weeks or longer.

### 3.1 Upgrade by a user

*The upgrade file can be downloaded from the website from July 30, 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 Renesas Electronics website.

Download the latest version and upgrade the product by referring to *How to Upgrade QB-78F1026* (ZUD-CD-10-0218), which is included with the upgrade file.

URL: <http://www2.renesas.com/micro/en/ods/index.html> → Click **Version-up Service**.

Category: Each Development Tool → IECUBE\_Software  
Product Name: QB-78F1026  
Version: Rev. B

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

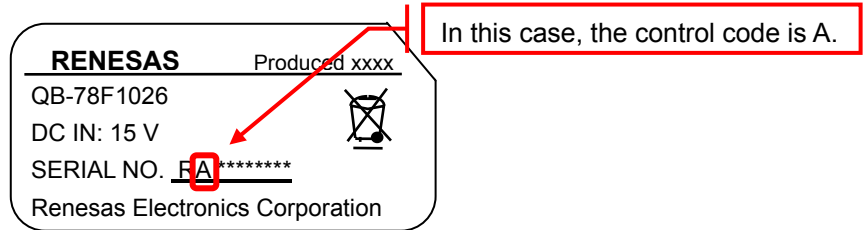
*Upgrading by sending the product will be available from July 30, 2010.*

This schedule may change. For details, contact a Renesas 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.

The product versions of Renesas Electronics in-circuit emulators are 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-78F1026)**



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

