

Microcontroller Technical Information

QB-78K0SKX1 In-Circuit Emulator for Low Pin Count Microcontrollers 78K0S/KA1+, 78K0S/KB1+, 78K0S/KU1+, 78K0S/KY1+ Upgrade	Document No.	ZBG-CD-08-0031	1/3
	Date issued	July 23, 2008	
	Issued by	Development Tool Solution Group Multipurpose Microcomputer Systems Division Microcomputer Operations Unit NEC Electronics Corporation	
Related documents QB-78K0SKX1 User's Manual: U18219EJ3V0UM00 QB-78K0SKX1 In-Circuit Emulator for Low Pin Count Microcontrollers 78K0S/KA1+, 78K0S/KB1+, 78K0S/KU1+, 78K0S/KY1+ Usage Restrictions: ZBG-CD-08-0030	Notification classification		Usage restriction
		√	Upgrade
			Document modification
			Other notification

1. Target product and version

Product	Outline	Control Code ^{Note}	Upgrade Method
QB-78K0SKX1	In-circuit emulator for low pin count microcontrollers 78K0S/KA1+, 78K0S/KB1+, 78K0S/KU1+, 78K0S/KY1+	A, B	Upgrade by user or upgrade by sending the product to NEC Electronics

It is not necessary to upgrade control code C.

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 in the ID78K0S-QB.

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

2. Upgrade details

The following restriction has been corrected.

- No. 2 Restriction on A/D conversion

For details, see *QB-78K0SKX1 In-Circuit Emulator for Low Pin Count Microcontrollers 78K0S/KA1+, 78K0S/KB1+, 78K0S/KU1+, 78K0S/KY1+ Usage Restrictions* (ZBG-CD-08-0030).

3. Upgrade start date

Two types of upgrade are available: upgrade by user and upgrade by sending the product to NEC Electronics.

Both methods are available, but we request customers to upgrade by themselves, because upgrades by sending the product to NEC Electronics may require two weeks or longer.

3.1 Upgrade by user

The upgrade file can be downloaded from the website from August 1, 2008.

This schedule may be shifted somewhat.

The latest version of the upgrade file (containing 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-78K0SKX1* (ZUD-CD-08-0118), 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-78K0SKX1

Version: Rev. C

3.2 Upgrade by sending the product to NEC Electronics

Upgrading by sending the product will be available from August 1, 2008.

This schedule may be shifted somewhat.

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.

The product versions of NEC 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. If the product has been upgraded, the control code can be checked by selecting [About] from the [Help] menu while the ID78K0S-QB is running. “X” in version information “IECUBE **** X F/W: V*. **” is the control code.

Figure 1. Checking Control Code (Label on QB-78K0SKX1)

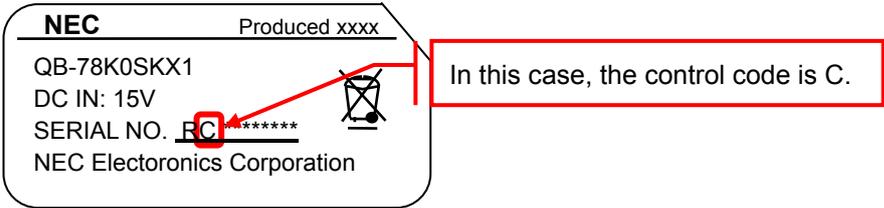


Figure 2. Checking Control Code (ID78K0S-QB)

