

# Microcontroller Technical Information

QB-RL78G13  In-Circuit Emulator for RL78/G13  Usage Restrictions		Document No.	ZMT-F35-11-0006	1/1
		Date issued	April 18, 2011	
		Issued by	MCU Tool Product Marketing Department MCU Software Division MCU Business Unit Renesas Electronics Corporation	
Related documents		Notification classification	√	Usage restriction
				Upgrade
				Document modification
				Other notification

1. Affected product

Product	Outline	Control Code <sup>Note</sup>
QB-RL78G13	In-circuit emulator for RL78/G13	A

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

2. New restrictions

New restrictions (No. 1 and No. 2) have been added. See the attachment for details.

3. Workarounds

See the attachment for details.

4. Modification schedule

Products in which the above restrictions are corrected are scheduled for release as follows:

Newly shipped products: Products ordered from April 18, 2011 (control code: B)

Upgrade for already shipped products: Available from April 18, 2011

\* 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

Document Number	Issued on	Description
ZMT-F35-11-0006	April 18, 2011	1st edition Addition of restrictions (No. 1 and No. 2)

## Operating Precautions for QB-RL78G13

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:

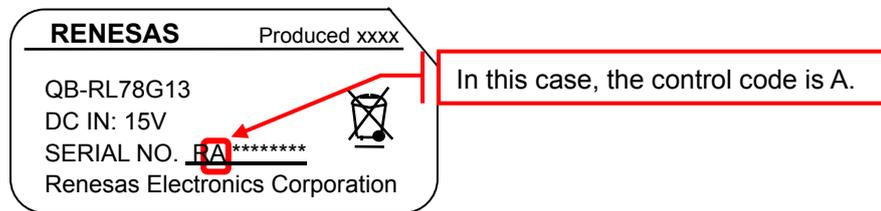
- User's manual of target device
- Restrictions notification document for target device

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.

**Figure: Checking the Control Code (Label on QB-RL78G13)**



## 2. Restrictions

### 2.1 List of restrictions

No.	Restrictions	Control Code
		A
		CubeSuite Version
		E1.50h or earlier
1	Restriction concerning dual power supply devices (i.e., devices that include EVDD)	×
2	Restriction concerning the low voltage detector (LVD)	×

×: Restriction applies, ○: Restriction does not apply

### 2.2 Restriction details

No. 1 Restriction concerning dual power supply devices (i.e., devices that include EVDD)

Description:

Devices in which the power supply voltage of VDD differs from the power supply voltage of EVDD cannot be emulated.

(Example: VDD = 3.3 V, EVDD = 1.8 V)

In IECUBE, VDD and EVDD are shorted. Therefore, VDD must always equal EVDD.

Workaround:

There is no workaround.

Correction:

This will be corrected in the next revision.

No. 2 Restriction concerning the low voltage detector (LVD)

Description:

The operation of the low voltage detector (LVD) cannot be emulated.

Workaround:

There is no workaround.

Correction:

This will be corrected in the next revision.