

RENESAS TOOL NEWS on October 16, 2012: 121016/tn7

## In-Circuit Emulator QB-RL78F12 (IECUBE for RL78/F12 Group of MCUs) Upgraded

We have upgraded the QB-RL78F12 in-circuit emulator (the IECUBE for the RL78/F12 group of MCUs).

The product's revision control code advances from A to B.

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### 1. Product Concerned

QB-RL78F12 with revision control code A

To check to see your product's revision control code, follow these steps:

- (1) Start the self-diagnostic tool of the IECUBE to display the IEQBUTL dialog box.
- (2) Click START in the SELF-TEST tab of the dialog box.
- (3) In IECUBE Information of the SELF-TEST tab, look for the letter before "F/W" in such a representation as is shown below.

Example: IECUBE RL78.78K0R: \*\*\*\* A F/W: \*\*. \*\*

In this example, the revision control code is A.

### 2. Descriptions of Upgrade

#### 2.1 Restrictions Raised

The following restrictions have been raised:

- On supplying the negative reference voltage to the A/D converter (No. 1)
- On using dual power supplies for devices having the EVDD pin (No. 2)
- On emulating the Voltage Detection Function (LVD) (No. 3)

For details of these restrictions, see RENESAS TOOL NEWS Document No. 121016/tn6. This can be seen on the following Web page, which will be published on October 19, 2012:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=121016tn6>

#### 2.2 Capability Introduced

The following capability has been supported:

- Emulating systems equipped with the 3-wired serial I/O (CSI\*\*) whose baud rate is 16 Mbps or 12 Mbps

### **3. Upgrading Your Product**

You can ask us to upgrade yours free of charge. If you want, apply for upgrade and send your QB-RL78F12 to your local Renesas Electronics marketing office or distributor.

Effective dates of application:

From October 19, 2012, to October 18, 2013, inclusive

NOTICE: An additional charge will be made after the effective dates expire.

After upgrading, the product's revision control code advances to B.

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