

## Firmware of MINICUBE2, an On-Chip Debugging Emulator with Programming function, Revised to V7.07

We have revised the firmware of the MINICUBE2 (QB-MINI2: an on-chip debugging emulator with a programming function) from V7.01 to V7.07.

For an overview of MINICUBE2, visit the Web site at:

<http://www.renesas.com/minicube2>

The above URL is one of our global sites.

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### 1. Firmware to Be Updated

Firmware of MINICUBE2  
V7.01 and earlier

To check to see the version number of the firmware of your MINICUBE2, follow these steps:

- (1) Make sure that the target system is not connected with the MINICUBE2.
- (2) Connect the MINICUBE2 to the host PC with a USB cable. It does not matter what the settings of the Mode Select and Power Select switches are.
- (3) Start the MINICUBE2 diagnostic tool.
- (4) See Section 4.2, "Version Check Before Downloading Firmware," in the user's manual of this tool and follow the instructions.

### 2. Description of Revision

On debugging systems designed with the V850E2 MCUs, communicating between the system and the MINICUBE2 via serial I/F is supported.

### 3. Updating Your Firmware

To update yours, follow these steps:

(1) Open the following Web site at:

[http://www.renesas.com/products/tools/emulation\\_debugging/onchip\\_debuggers/minicube](http://www.renesas.com/products/tools/emulation_debugging/onchip_debuggers/minicube)

The above URL is one of our global sites.

(2) Download the Firmware for MINICUBE2 V7.07.

(3) Decompress the downloaded .zip file.

(4) Make sure that the target system is not connected with the MINICUBE2.

(5) Connect the MINICUBE2 to the host PC with a USB cable. It does not matter what the settings of the Mode Select and Power Select switches are.

(6) Start the MINICUBE2 diagnostic tool.

(7) See Chapter 4, "Firmware Download Function," in the user's manual of this tool and follow the instructions to load the firmware.

#### **4. Notice**

Install the CubeSuite+ V.1.01.00 first, and then install this firmware.

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