

Microcontroller Technical Information

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|---|-------------------------|--|-----------------------|
| ID78K0-QB 78K0 Integrated Debugger Upgrade | Document No. | ZMT-F35-11-0004 | 1/1 |
| | Date issued | April 19, 2011 | |
| | Issued by | MCU Tool Product Marketing Department MCU Software Division MCU Business Unit Renesas Electronics Corporation | |
| Related documents: ID78K0-QB Integrated Debugger Ver. 3.10 Operation User's Manual: U19611EJ1V0UM00 | Document classification | | Usage restriction |
| | | √ | Upgrade |
| | | | Document modification |
| | | | Other notification |

1. Target product and version

| Product | Outline | Old Version | New Version |
|-----------|--|------------------|-------------|
| ID78K0-QB | 78K0 integrated debugger for IECUBE, MINICUBE, MINICUBE2 | V3.20 or earlier | V3.21 |

2. Upgrade details

The major changes in ID78K0-QB V3.21 are listed below. For details, see *ID78K0-QB 78K0 Integrated Debugger - Usage Restrictions* (ZMT-F35-11-0003).

• Specifications

| No. | Removed Restrictions | Affected Product |
|-----|---|------------------|
| 92 | Restrictions on Main Clock setting "System", 8.00MHz, 16.00MHz | MINICUBE2 |
| 93 | Restrictions on break of sub-clock operation | Common |
| 95 | Restrictions on the setting of 16-bit timer X0/X1 compare registers 0 to 3 for 78K0/Ix2 | MINICUBE2 |

Common: Items common to IECUBE, MINICUBE, and MINICUBE2

3. How to upgrade

Download the latest product from the Renesas Electronics website. Install the tool according to the procedure described in the document posted on the same download page.

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

Japanese version: <http://www2.renesas.com/micro/ja/ods/>

4. Upgrade start date

The upgraded product can be downloaded from the website starting on April 26, 2011.

This schedule may be shifted somewhat.