[Notes] Specification of the MCU for the Renesas Starter Kit+ for RX65N	R20TS0135EJ0100 Rev.1.00 Feb. 16, 2017

Outline

When using the CPU board which is included with the Renesas Starter Kit+ for RX65N, note the following point.

1. Specification of the MCU mounted on the CPU board

1. Specification of the MCU Mounted on the CPU Board

1.1 Applicable Products

➢ Renesas Starter Kit+ for RX65N[Note]

Note: This note applies to products whose CPU boards are marked as follows:

- D014351#01 on the product part number label

- 0000061737 to 0000061984 on the serial number label

1.2 Details

R5F565N9ADFB (MCU) which is mounted on the CPU board of the applicable product is not a mass-produced product, and differs in specification from mass-produced MCUs as follows.

(1) D/A converter

Although mass-produced MCUs can use the output buffer amp function of the D/A converter, the MCU mounted on the CPU board cannot use the function.

Refer to the Technical Update at the following URL for details:
https://www.renesas.com/search/keyword-search.html#genre=document&q=tn-rx*-a165a
Disclosure of the Specifications Regarding the D/A Converter of the RX65N and RX651 Group

(2) ID code protection

If ID code matching fails three consecutive times, mass-produced MCUs can use a function to delete all the blocks of the user area and option setting memory area. However, the MCU mounted on the CPU board cannot use the function.

Refer to the Technical Update at the following URL for details:
https://www.renesas.com/search/keyword-search.html#genre=document&q=tn-rx*-a166a
Addition of Specification for the ID code protection of the RX65N and RX651 Group

(3) Temperature sensor

In mass-produced MCUs, calibration values for each MCU are written in the temperature sensor calibration data register. However, in the MCU mounted on the CPU board, undefined values are written in the register.

To perform calibration, refer to the following document and calculate the appropriate values:
https://www.renesas.com/search/keyword-search.html#genre=document&q=r01uh0590
RX65N Group, RX651 Group User's Manual: Hardware
"Chapter 52, Temperature Sensor (TEMPS), 52.3.1 Preparation for Using the Temperature Sensor"

1.3 Time to Replace the MCU with a Mass-Produced MCU

Mass-produced MCUs will be mounted in products in all future production lots. (Timing of implementation is yet to be decided.) We will inform you of the first shipping date of products in the next production lot by Tool News as soon as fixed. Please note that we cannot accept any support request for replacement to a product in the next production lot, and modification for replacement to a mass-produced MCU.

For any inquiries, contact us at:

Contact link: https://www.renesas.com/contact/

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Feb. 16, 2017	-	First edition issued

TOYOSU FORESIA, 3-2-24 Toyosu, Koto-ku, Tokyo 135-0061 Japan

Renesas Electronics Corporation

■Inquiry

https://www.renesas.com/contact/

All trademarks and registered trademarks are the property of their respective owners.