

# QB-78K0FX2L (Control Code A, B, C)

### **Release Note**

R20UT0739EJ0200 Rev. 2.00 February 17, 2014

This document describes the following items. Refer to the user's manual for cautions on using an in-circuit emulator.

- Restrictions not applicable to the target device but applicable to an in-circuit emulator
- Restrictions applicable to both the target device and an in-circuit emulator but the correction is planned only for the in-circuit emulator

Also refer to the following documents for the restrictions in the target device.

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

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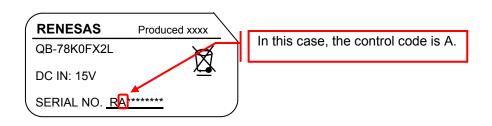


# Chapter 1. **Product Version**

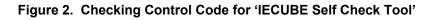
The product versions of Renesas Electronics in-circuit emulators IECUBE are indicated by a control code. The control code is the second digit from the left in the 10-digit serial number. On the back of IECUBE are labeled in Figure 1. The red frame control code in Figure 1. If the product has been upgraded, the control code can be checked by 'IECUBE Self Check Tool'. Please start 'IECUBE Self Check Tool' and press START button, and then IECUBE information is displayed (Figure 2). The red frame is control code. (It is not necessary to start self-tests, because it is only confirmation of control code.)

To start 'IECUBE Self Check Tool' checks following place.

[Start]→[programs]→[Renesas Electronics CubeSuite+]→[Emulator Utilities]→[78K0]→[IECUBE Self Check Tool]



#### Figure 1. Checking Control Code (Label on QB-78K0FX2L)



IEQBUTL	In this case, the control code is A.	
SELF-TEST F/W FPGA IECUBE Information IECUBE 78K0: 1018 F/W: V1.20 (EXEC: V1.18, V1.20) Main Board: 0003 01.00 10.68 I/O Board: 0119 01.00 01.00		
D:¥DOCUME~1¥MIC OK	f-tests ?	
0 %		
	EXIT	



# Chapter 2. Support Devices

Control Code	Supported Devices
А	78K0/FY2-L, 78K0/FA2-L, 78K0/FB2-L
В	78K0/FY2-L, 78K0/FA2-L, 78K0/FB2-L
С	78K0/FY2-L, 78K0/FA2-L, 78K0/FB2-L



# Chapter 3. **Restrictions**

### 3.1 List of Restrictions

No.	Restrictions Contro		ontrol Co	ol Code	
		А	В	С	
1	Restriction of RMC register writing.		0	0	
2	2 Restriction of shift to Self Programming Mode . × O C		0		
3	Restriction of reading out the ASIS6 register. × × O		0		

×: Change not implemented, O: Change implemented

## 3.2 Details of Restriction

No. 1	Restriction of RMC register writing.		
[Description]	Regulator mode control register (RMC) can not be written.		
[Work-around]	There is no workaround.		
[Correction]	This issue has been corrected in products with control code B and later.		
No. 2	Restriction of shift to Self Programming Mode .		
[Description]	The writing to Self Programming Mode (FPCTL) is ignored, so the return value of mode		
	check function (CheckFLMD) is always abnormal (01H).		
[Work-around]	There is no workaround.		
[Correction]	] This issue has been corrected in products with control code B and later.		
No. 3	Restriction of reading out the ASIS6 register.		
[Description]	If the Asynchronous serial interface reception error status register 6 (ASIS6) is read out, the		
	status flags in the register are not cleared.		
[Work-around]	To clear the status flags, read out the ASIS6 register twice successively.		
[Correction]	This issue has been corrected in products with control code C and later.		



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Revision	History

Document Number	Issued on	Description
R20UT0739EJ0100	July 15, 2011	Newly created.
R20UT0739EJ0200	February 17, 2014	Add descriptions of control code C.



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