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April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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Customer Notification

PG-FPL3

Flash Memory Programmer

Operating Precautions

Target Devices

All 78K0/KX2 devices

All 78K0/FX2 devices

All 78K0/LX2 devices

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Table of Contents

(A)	Table of Operating Precautions	4
(B)	Description of Operating Precautions.....	5
(C)	Cautions on Operating	6
(D)	Valid Specification	8
(E)	Revision History	9

(A) Table of Operating Precautions

No.	Outline	Control Code	PG-FPL3		
			A V1.00	A V1.01	A V1.10
1	Change of COM-port selection		X	✓	✓
2	Signature error occurs reading a device with 8kB Rom		X	✓	✓
3	Improvement of speed for write command		X	✓	✓
4	Restriction related to Program and Verify commands in Block mode		✓	X	✓

✓ : Not applicable
 X : applicable

(B) Description of Operating Precautions

No.1	<p>Change of COM-port selection</p> <p><u>Details</u> The specification has been changed. All COM-ports which are detected by the GUI software can be selected.</p>
No.2	<p>Signature error occurs reading a device with 8kB ROM</p> <p><u>Details</u> A signature error occurs, if a device with 8kB ROM is used. This was corrected with GUI-version V1.01</p>
No.3	<p>Improvement of speed for write command</p> <p><u>Details</u> The speed of the communication has been improved by optimizing the write command</p>
No.4	<p>Restriction related to Program and Verify commands in Block mode</p> <p><u>Details</u> If the Program or Verify command is executed in Block mode under the following conditions, data is transmitted from an address different from the start address set in Block mode.</p> <p>Condition 1: In the Operation Mode area of the Standard Device Setup dialog box, the Block radio button is selected and a value other than "0" is selected from the Start drop-down list.</p> <p>Condition 2: The used program file, which starts from an address lower than the one specified in condition 1, is selected by the [Load] command.</p> <p>[Workaround] There is no workaround. This restriction has been corrected in products with control code A (GUI: V1.10) or later.</p>

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(C) Cautions on Operating

No. 1 Caution when using PG-FPL3 in Windows 98/Me

When the host machine is connected to the PG-FPL3 in the Windows 98 or Windows Me environment, the /RESET pin outputs a high level. If the target system is disconnected from the PG-FPL3 without executing a target command at all, the target system may be damaged.

[Procedure 1]

Execute the target command at least once after the PG-FPL3 is connected to the target system. Consequently, the /RESET pin output becomes low level.

[Procedure 2]

When another OS is used, the /RESET pin is low level from the first, so [Procedure 1] does not cause this problem.

[Procedure 1]

1. The host machine and the PG-FPL3 are connected and the power is supplied via the USB port.
2. The target system is connected to the PG-FPL3.
3. The target system is disconnected from the PG-FPL3 **without** executing the target command.

[Procedure 2]

1. The host machine and the PG-FPL3 are connected and the power is supplied via the USB port.
2. The target system is connected to the PG-FPL3.
3. The target system is disconnected from the PG-FPL3 **after** the target command is executed.

No. 2 Caution for MODE switch

Be sure to perform the MODE switch setting before using the PG-FPL3.

If the MODE switch is not set correctly, the PG-FPL3 or the target system may be damaged. For details on setting the MODE switch, refer to the PG-FPL3 user's manual.

No. 3 Caution on setting MODE switch to 1

When the MODE switch is set to 1, the CLK pin of the PG-FPL3 always outputs a low level. Therefore, review the circuit design, for example, by disconnecting the CLK pin in the target cable and the EXCLK pin in the device, so that the CLK pin output does not affect the resonator on the target.

No. 4 Checksum value differences between PG-FPL3 and PG-FP4

Since the checksum calculation method differs between the PG-FP4 and PG-FPL3, the checksum value differs depending of the flash memory programmer to be used.

No. 5 General cautions on handling this product

(a) Circumstances not covered by product guarantee

- If the product was disassembled, altered, or repaired by the customer
- If it was dropped, broken, or given another strong shock
- Use at overvoltage, use outside guaranteed temperature range, storing outside guaranteed temperature range
- If power was turned on while the USB cable or target system connection was in an unsatisfactory state
- If the USB cable, connection cable, or the like was bent or pulled excessively
- If a power supply other than the one supplied with the product is used
- If the product got wet
- If the product and target system were connected while a potential difference existed between the GND of the product and the GND of the target system
- If a connector or cable was removed while the power was being supplied to the product
- If an excessive load was placed on a connector or socket

(b) Safety precaution

- Be careful of electrical shock. There is a danger of electrical shock if the product is used as described above in (a) Circumstances not covered by product guarantee.

(D) Valid Specification

Item	Date published	Document No.	Document Title
1	March 2005	U17454E	PG-FPL3 User's Manual

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(E) Revision History

Item	Date published	Document No.	Comment
1	August 2005	TPS-LE-OP-TFPL3-1	1 st Release
2	April 2006	TPS-LE-OP-TFPL3-2	1 st Update

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