

RENESAS TOOL NEWS on May 16, 2014: 140516/tn14

## Note on Using Flash Memory Programmer PG-FP5 --With Programming Flash ROMs of V850 MCUs--

When using the PG-FP5 flash memory programmer, take note of the following problem:

- With programming flash ROMs of V850 MCUs
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### 1. Parameter Files Concerned

This problem concerns the following parameter files for use with the PG-FP5 flash memory programmer:

- PR5-70F3184 V1.00 (for V850E/IA3 MCUs)
- PR5-70F3186 V1.00 (for V850E/IA4 MCUs)
- PR5-70F3239 V1.00 (for V850ES/Fx2 MCUs)
- PR5-70F3712 V1.00 (for V850ES/Hx2 MCUs)
- PR5-70F3714 V1.00 (for V850ES/IE2 MCUs)
- PR5-70F3329 V1.00 (for V850ES/IK1 MCUs)
- PR5-70F3724 V1.00 (for V850ES/Jx2 MCUs)
- PR5-70F3201 V1.00 (for V850ES/SA2 MCUs)
- PR5-70F3204 V1.00 (for V850ES/SA3 MCUs)
- PR5-70F3288 V1.00 (for V850ES/Sx2 and V850ES/Sx2-H MCUs)

### 2. MCUs Involved

In V850E/IA3 MCUs:

UPD70F3184

In V850E/IA4 MCUs:

UPD70F3186

In V850ES/Fx2 MCUs:

UPD70F3231, UPD70F3232, UPD70F3233, UPD70F3234, UPD70F3235,  
UPD70F3236,  
UPD70F3237, UPD70F3238 and UPD70F3239

In V850ES/Hx2 MCUs:

UPD70F3700, UPD70F3701, UPD70F3702, UPD70F3703, UPD70F3704,  
UPD70F3706,  
UPD70F3707, UPD70F3709, UPD70F3710, UPD70F3711 and UPD70F3712

In V850ES/IE2 MCUs:  
UPD70F3713 and UPD70F3714

In V850ES/IK1 MCUs:  
UPD70F3329

In V850ES/Jx2 MCUs:  
UPD70F3715, UPD70F3716, UPD70F3717, UPD70F3718, UPD70F3719,  
UPD70F3720,  
UPD70F3721, UPD70F3722, UPD70F3723 and UPD70F3724

In V850ES/SA2 MCUs:  
UPD70F3201

In V850ES/SA3 MCUs:  
UPD70F3204

In V850ES/Sx2 and V850ES/Sx2-H MCUs:  
UPD70F3261, UPD70F3263, UPD70F3271, UPD70F3273, UPD70F3281,  
UPD70F3283,  
UPD70F3263H, UPD70F3273H, UPD70F3283H, UPD70F3264, UPD70F3266,  
UPD70F3274, UPD70F3276, UPD70F3284, UPD70F3286, UPD70F3288,  
UPD70F3266H,  
UPD70F3276H, UPD70F3286H and UPD70F3288H

### **3. Description**

Programming the flash ROM of any listed MCU via the CSI interface may lead to the following error message being displayed during execution of the programming command:

ERROR(E071): Program failed

This error only arises when the MCU in use has been programmed at least twice. This error does not arise when a new MCU is first programmed.

Note, however, that normal execution of the command with no error message arising means that the programming proceeded correctly.

### **4. Workaround**

When programming the flash ROM of any applicable MCU, use the UART or CSI-HS interface.

Even when the CSI interface is used, the error may not arise if the setting for communication speed is low.

## 5. Schedule for Fixing the Problem

A new version with the problem corrected is planned.

If you need to take measures against this problem before the next release, please consult your local Renesas Electronics marketing office or distributor.

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