

# Microcomputer Technical Information

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DF703089 Device File for V850/SC1, V850/SC2, V850/SC3  Upgrade		Document No.	SBG-DT-03-0173-E	1/2
		Date issued	July 11, 2003	
		Issued by	Microcomputer Group 2nd Solutions Division Solutions Operations Unit NEC Electronics Corporation	
Related documents	Device File for V850/SC1, V850/SC2, V850/SC3 DF703089 (V1.10) User's Manual: SUD-DT-03-0173-E	Document classification		Usage restriction
			√	Upgrade
				Document modification
				Other notification

## 1. Product types and version

Product	Outline	Old Version	New Version
μSxx13DF703089	DF703089 Device file for V850 Series V850/SC1, V850/SC2, V850/SC3	Ver. 1.00	Ver. 1.10
Product	Outline	Target Version	
μSxx17SP850	V850 Series software package SP850	Ver. 3.00	

**Note** xx indicates AB or BB.

## 2. Details of upgrade

The major revisions in DF703089 Ver.1.10 are shown below. For details, refer to "Device File for V850/SC1, V850/SC2, V850/SC3 DF703089 Ver.1.10 User's Manual (SUD-DT-03-0173-E)" supplied with the product.

(1) Addition of device: μPD703067Y

(2) Addition of the following flash information file

FF3089Y.800

(3) Addition of the following database files for simulator

S3067Y.800, S3068Y.800, S3069Y.800, S3089Y.800, SF3089.800

(4) Modification of peripheral I/O register access attributes

The following peripheral I/O register access attributes have been modified.

- SOTBL5 (0x00fff24a) 8-bit R/W → 1-/8-bit R/W, SIRBEL5 (0x00fff24e) 8-bit R → 1-/8-bit R
- SOTBFL5 (0x00fff252) 8-bit R/W → 1-/8-bit R/W, SIOL5 (0x00fff256) 8-bit R → 1-/8-bit R
- SOTBL6 (0x00fff26a) 8-bit R/W → 1-/8-bit R/W, SIRBEL5 (0x00fff26e) 8-bit R → 1-/8-bit R
- SOTBFL6 (0x00fff26a) 8-bit R/W → 1-/8-bit R/W, SIOL6 (0x00fff276) 8-bit R → 1-/8-bit R

(5) Modification of peripheral I/O register access attributes (In μPD703068Y, 703069Y only)

- PAC      0x0fff040      EEEERRRE<sup>Note</sup> → RRRRRRRE<sup>Note</sup>

**Note** The attributes are read from left to right in the order bit 7, bit 6, bit 5, ... bit 0.

E: Read/Write, R: Read only, W: Write only, -: Access impossible

(6) Addition of initial value information of the emulation register to handle an illegal DMA transfer to addresses 0xffe000 to 0xffefff in the RAM area when using the IE-703089-MC-EM1.

### 3. How to upgrade

#### (1) When the medium is not required: Free upgrade

Download the software through ODS (online delivery service). When using this method, the supply medium will not be delivered but the upgrade is free of charge.

**Note** Access the following URL.

<http://www.necel.com/micro/ods/eng/>

#### (2) When the medium is required: Charged upgrade

Fill in the essential items in the attachment "Application for Software Product Charged Upgrade" and submit it to a distributor or NEC Electronics sales representative. When using this method, a fee will be charged for the upgrade and the medium will be delivered.

The part number to be entered in the form varies depending on the purchased product. The correspondence between the purchased product and the part number after upgrade is as follows.

Purchased Product	Part Number for Charged Upgrade
$\mu$ Sxx13DF703089	$\mu$ Sxx13DF703089-S

**Note** xx indicates AB or BB.

### 4. Upgrade petition period

#### (1) Free upgrade (Windows version, without medium)

The upgraded product can be downloaded through ODS from July 18, 2003.

#### (2) Charged upgrade (Windows version, with medium)

From July 18, 2003

**Application for Software Product Charged Upgrade**

Customers wishing to upgrade the product by "Charged upgrade (with medium)" are requested to fill out the following form and submit it to a **distributor** or **NEC Electronics sales representative**.

Upgrade Product	Version
DF703089	Ver.1.10

**Application cut-off date: September 30, 2003**

[To be filled in by customers]

Part No. of charged upgrade product	$\mu$ S _ _ 13DF703089-S
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\* Write the part number of charged upgrade product corresponding to the part number of the product being used. Write any of AB or BB in the place of underbars.

Serial No. (10 digits)	
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\* Write the 10-digit serial number indicated on the program product license or the case of the product. If the product has already been upgraded, a new serial number has been provided. However, write the serial number provided when the product was first purchased in the above column.

Company name	
Department name	
Name of applicant	
E-mail address	
Date of application	

[To be filled in by the distributor or NEC Electronics sales representative]

Name of distributor	
Person in charge	
Date of application	

\* The ordering code is required for the charged upgrade. Fill in the code that was used for inputting the order.