

NEC Microcomputer Technical Information

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| DF703040 Device File for V850/SV1 Upgrade | | Document No. | SBG-TT-0069-E | 1/2 |
| | | Date issued | February 28, 2002 | |
| | | Issued by | Microcomputer Tool Group Sales Engineering Div. NEC Electron Devices NEC Corporation | |
| Related documents | V850/SV1 Device File DF703040 (V1.01) User's Manual (SBG-TT-0056-E) | Document classification | | Usage restriction |
| | | | √ | Upgrade |
| | | | | Document modification |
| | | | | Other notification |

1. Product types and version

| Product | Outline | Old Version | New Version |
|----------------|-------------------------------|-------------|-------------|
| μSxxxxDF703040 | V850/SV1 device file DF703040 | V1.00 | V1.01 |

Note xxxx indicates AB13, BB13, 3K13, 3K15, or 3P16.

2. Details of upgrade

(1) Addition of supported devices

The following devices are now supported.

μPD703038, μPD703038Y, μPD70F3038, μPD70F3038Y

(2) Addition of flash information file

(3) Addition of reserved word for the peripheral I/O register (flash version only)

FLPMC (0xffff1f4) has been added.

(4) Addition of bit reserved words for the peripheral I/O register (flash version only)

FLSPM (bit 1 of FLPMC), VPP (bit 2 of FLPMC), and VPPDIS (bit 3 of FLPMC) have been added.

(5) Modification due to specification change from V1.00

<1> Modification of peripheral I/O register R/W attributes

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

TMC6 (0xffff286), TMC7 (0xffff296), ASIM00 (0xffff300), ASIM10 (0xffff310),
 TMC10 (0xffff3e6), TMC11 (0xffff3f6)

<2> Deletion of peripheral I/O register

LANCM (0xffff2ea), LHIT (0xffff2ec) and LSTA (0xffff2ee) have been deleted.

<3> Deletion of peripheral I/O register bit reserved word

The following peripheral I/O bit reserved words have been deleted.

CK2 (bit 2 of PCC), MCK (bit 6 of PCC), BECNT (bit 0 of LANCM),
 LANCS (bit 6 of LANCM), LANCE (bit 7 of LANCM), BEER (bit 0 of LHIT),
 STR (bit 0 of LSTA), ACT (bit 7 of LAST)

3. How to upgrade

The upgrade method differs depending on the product. Select one of the following methods.

(1) Free upgrade (without supply medium)

Download the software through ODS (online delivery system)^{Note}. 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.ic.nec.co.jp/micro/ods/eng>

(2) Charged upgrade (with supply medium)

Contact an NEC distributor or NEC sales representative to order the upgraded product. When using this method, a fee will be charged for the upgrade and the supply medium will be delivered.

The relationship between the purchased product and the part number is as follows.

| Purchased Product | Part Number for Charged Upgrade |
|---------------------|---------------------------------|
| μ SxxxxDF703040 | μ SxxxxDF703040-S |

Note xxxx indicates AB13, BB13, 3K13, 3K15, or 3P16.

4. Upgrade petition period

(1) Free upgrade (without supply medium)

The product for upgrade can be downloaded through ODS from February 25, 2002.

(2) Charged upgrade (with supply medium)

From February 25, 2002