

# Microcomputer Technical Information

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DF178054 Device Files for 178K Series  Upgrade		Document No.	ZBG-CD-05-0069	1/1
		Date issued	August 5, 2005	
		Issued by	Development Tool Group Multipurpose Microcomputer Systems Division 4th Systems Operations Unit NEC Electronics Corporation	
Related documents	Device Files for 178K Series DF178054 (V1.01) User's Manual: ZUD-CD-05-0093	Document classification		Usage restriction
			√	Upgrade
				Document modification
				Other notification

## 1. Target products and version

Product	Outline	Old Version	New Version
μSxx13DF178054	Device files for 178K Series DF178054	V1.00	V1.01
Product	Outline	Target Version	
μSxx17SP78K0	78K0 Series software package SP78K0	V2.00	

**Note** xx indicates AB or BB.

## 2. Upgrade details

The major revision in DF178054 V1.01 is shown below.

- Correction of the following bug

When the WDTM register is set with a bit manipulation instruction, the watchdog timer (interval timer) does not operate.

For details, refer to "Device Files for 178K Series DF178054 (V1.01) User's Manual (ZUD-CD-05-0093)" supplied with the product.

## 3. How to upgrade

Download the latest device file from the NEC Electronics website (Development Tools Download (ODS) page). After you have downloaded the file, install the device file according to the procedure described in the document posted on the same download page.

URL: <http://www.necel.com/micro/ods/eng/index.html> (English version)

<http://www.necel.com/micro/ods/jpn/index.html> (Japanese version)

## 4. Upgrade start date

The upgraded product can be downloaded through ODS from August 25, 2005.