

A Note on Using Debuggers M3T-PD308SIM, M3T-PD308F, M3T-PD308, and M3T-PD308M

Please take note of the following problem in using simulator debuggers and emulator debuggers for the M32C/80 and M16C/80 series MCUs:

- On reverse-assemble display of the SCCnd instruction

1. Products and Versions Concerned

Simulator debuggers:

M3T-PD308SIM V.1.00 Release 1 through V.3.10 Release 1

Emulator debuggers for the PC7501 emulator system:

All the versions of M3T-PD308F

Emulator debuggers for the PC4701 emulator system:

All the versions of M3T-PD308

Emulator debugger for compact emulators:

All the versions of M3T-PD308M

2. Description

When the destination of an SCCnd instruction is register A0 or A1, the reverse-assemble display of the instruction may show "???" in the Program window and others.

Example in assembly language

```
-----  
SCNE A0  
-----
```

Example in reverse-assemble display

```
-----  
???  
-----
```

3. Workaround

3.1 In the M3T-PD308SIM

This problem has been fixed in the M3T-PD308SIM V.3.20 Release 1.
So, use this or later version of the product.

3.2 In the M3T-PD308F and M3T-PD308

We supply the problem-fixed DLL file for each product. So, please replace the DLL file in your product with the above-mentioned one as follows:

- (1) Download the problem-fixed DLL file (compressed) you want.
p308fedll.exe for the M3T-PD308F (475KB)
p308edll.exe for the M3T-PD308 (469KB)
- (2) Decompress the downloaded file to obtain either of the following files:
p308fedll.dll (V.1.41.00) for the M3T-PD308F
p308edll.dll (V.1.41.00) for the M3T-PD308
- (3) With the decompressed file, overwrite the old file with the same name in the folder where the product has been installed.
- (4) Confirm the version of the new DLL file as follows:
 - (a) Launch your debugger.
 - (b) Open the Help menu and select the About command. The Version dialog box appears.
 - (c) On this dialog box, confirm the version of the new file is what you want.

3.3 In the M3T-PD308M

We supply the problem-fixed DLL file for the product. So, please replace the DLL file in your product with the above-mentioned one as follows:

- (1) Download the problem-fixed p308mdll.exe file (compressed: 226KB)
- (2) Decompress the downloaded file to obtain the p308mdll.dll file (V.1.11.00).
- (3) With the decompressed file, overwrite the old file with the same name in the folder where the product has been installed.
- (4) Confirm the DLL file has been updated as follows:
 - (a) Launch your debugger.
 - (b) Open the Option menu and select the Line Assemble command. The Line Assemble dialog box appears.
 - (c) Type an SCCnd instruction "SCNE A0" in the Code edit box to line-assemble and check whether the results of execution are correctly displayed in the Line Assemble dialog box and the Program window.

4. **Schedule of Fixing the Problem**

We plan to fix this program in our next release of the M3T-PD308F, M3T-PD308, and M3T-PD308M products.

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