

Because the UMPS software can not directly receive Intel Hex file correctly, we will convert the Intel Hex file to Bin file first, the Hex2bin.exe can be downloaded from website <http://www.keil.com>. Then load the bin file and implement simulation in UMPS. Note that UMPS set with 12MHz cpu clock frequency and 1 cpu cycle for screen refresh.

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MS-DOS 模式
自動
C:\WTP_WORK\spl>dir/w

Volume in drive C is 98
Volume Serial Number is 280B-0D03
Directory of C:\WTP_WORK\spl

[.]          [..]          [EEPROM]      EEPROM.TXT    HEX2BIN.EXE
HEX2BIN.ZIP  SPI.BIN       SPI.C         SPI.HEX       SPI.LMP
SPI.LST      SPI.M51      SPI_OPT.BAK  SPI.OPT       SPI.PLG
SPI.UU2      SPI_UU2.BAK  SPI          [DOCUMENT 1]  SPI.OBJ
            16 file(s)      54,814 bytes
            4 dir(s)       12,251.34 MB free

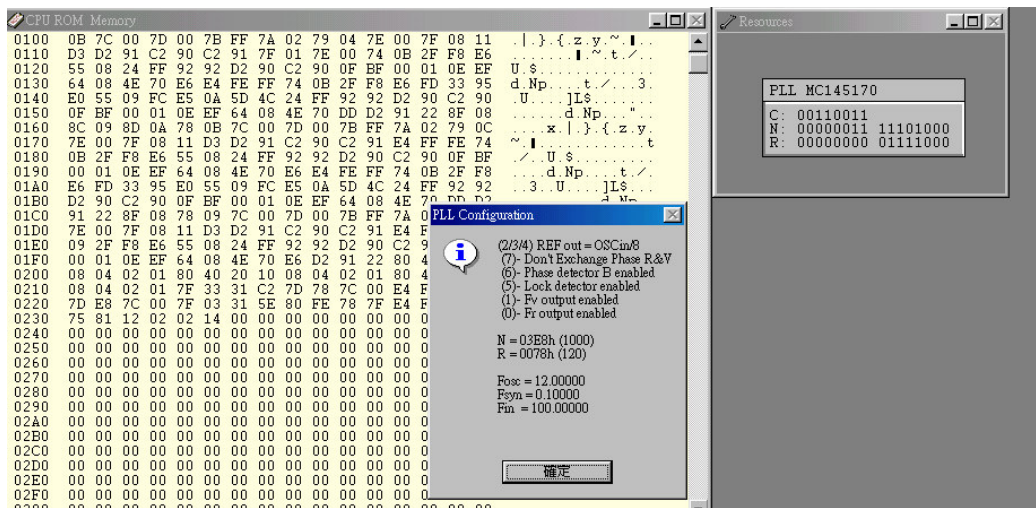
C:\WTP_WORK\spl>hex2bin spi.hex

HEX2BIN Version 1.06
Copyright (c) 1995 Programix Corp.
Portions copyright (c) 1993-1995 BITWARE.
All rights reserved.
Status: Creating binary file.
Status: Writing 6 bytes at address 0x000000F3.
Status: HEX to BIN conversion was successful.

C:\WTP_WORK\spl>

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Convert the Intel Hex file to Bin file



Load the spi.bin in UMPS software, set the corresponding PLL pin connection, and implement simulation. N= 1000, R= 120