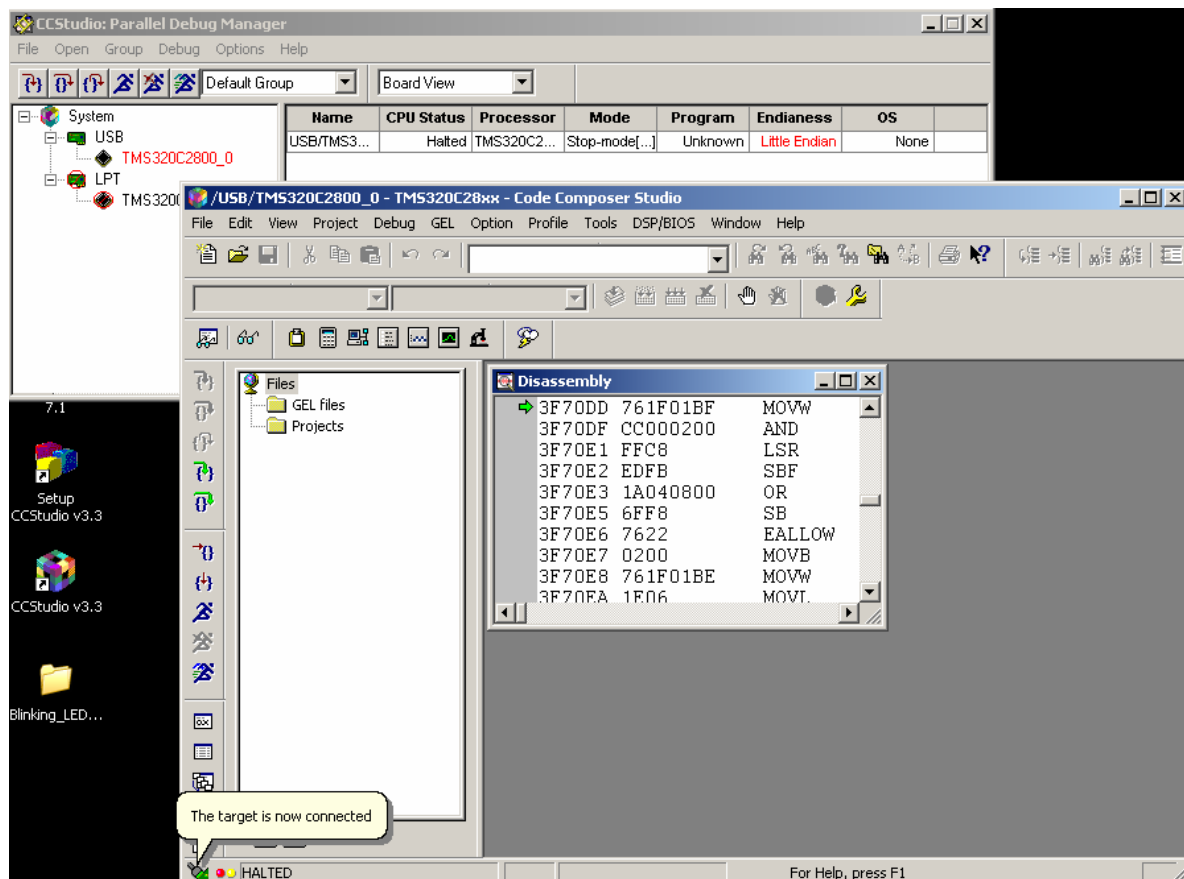


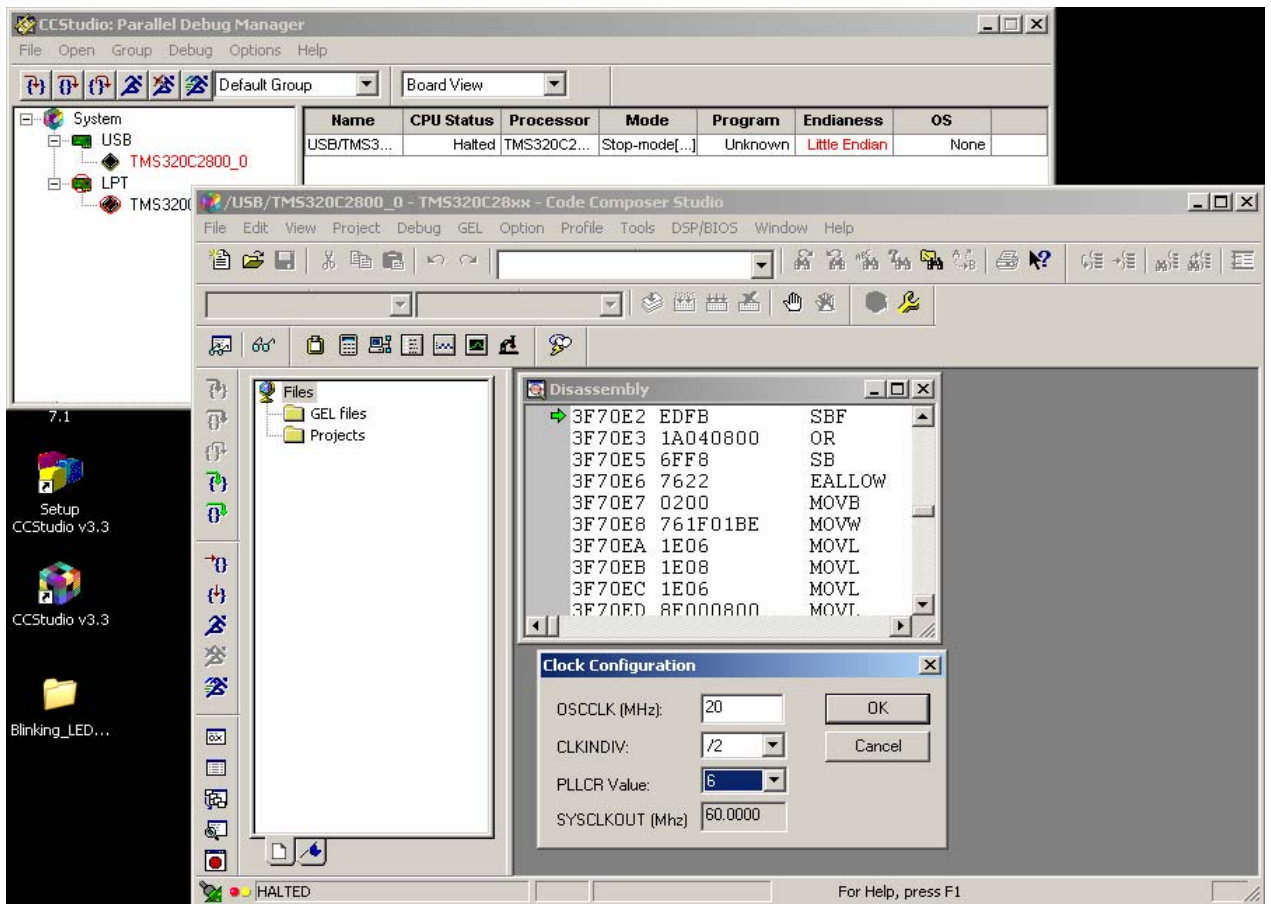
How to program in FLASH OLIMEX TMS320-P28016 board

All of the TMS320-P28016 examples on the WEB can be programmed in the FLASH memory. In this order you have to replace the existing **28016_RAM_ink.cmd** file from the current project with **F28016.cmd** file. In this document there is an example with **Blinking_LED** project. **F28016.cmd** file for **Blinking_LED** project is located in `\Blinking_LED\DSP280x_common\cmd` directory. You have to remove **28016_RAM_ink.cmd** file and add **F28016.cmd** file. After build project CCS generates an output file (**Blinking_LED.out**) in `\Blinking_LED\DSP280x_examples\Blinking_LED\Debug` directory.

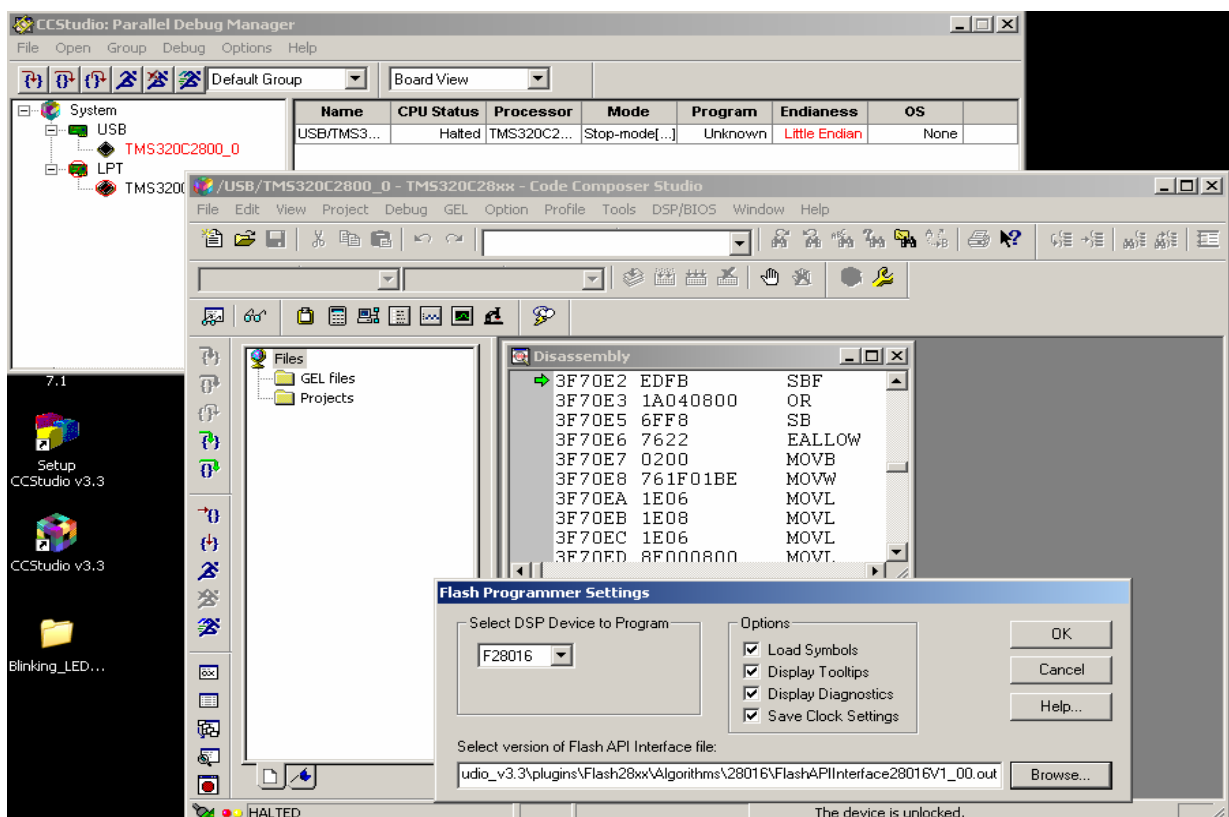
Make sure that BOOT SELECT jumpers (GPIO34, GPIO29 and GPIO18) are placed in position “1”, i.e. select boot from internal flash memory. Supply the board with 6-9VDC. Plug in TMS320-JTAG to the board JTAG connector and connect like press Alt+C. You have to see “The target is now connected” in low left corner.



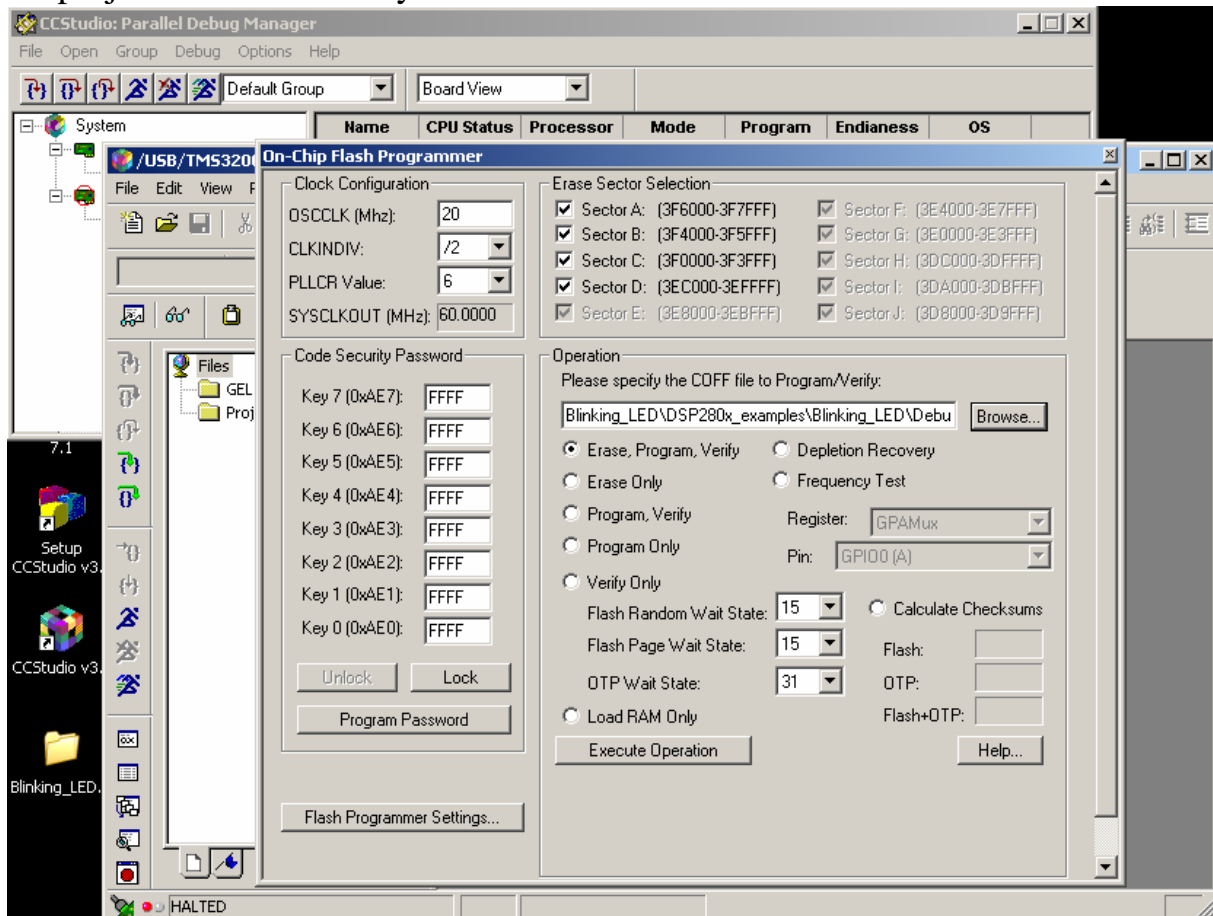
Now select CCS Tools menu and select 28xx On-Chip Flash Programmer. Configure the settings like picture below and press OK



In the next window browse to
 C:\CCStudio_v3.3\plugins\Flash28xx\Algorithms\28016\FlashAPIInterface28016V1_00.out file and press OK



Now browse to
Blinking_LED\DSP280x_examples\Blinking_LED\Debug\Blinking_LED.out
file and press Execute Operation. When the program and verify operations are
finished – close On-Chip Flash Programmer window and you will have Blinking
LED project in flash memory.



You can debug source code in disassembly window if you **load program**
(Ctrl+L) through File menu>Load Program and browse to the same
Blinking_LED.out file from
Blinking_LED\DSP280x_examples\Blinking_LED\Debug directory.

On the our WEB we have a compiled **Blinking_LED_FLASH** project.