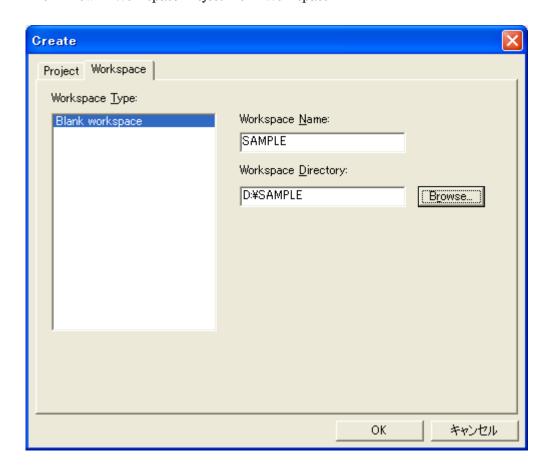
## **USAGE of I/O REGISTER FILES**

# (Example: C language for 16bit Microcontroller)

Ver:2.0 JUL.15,2009

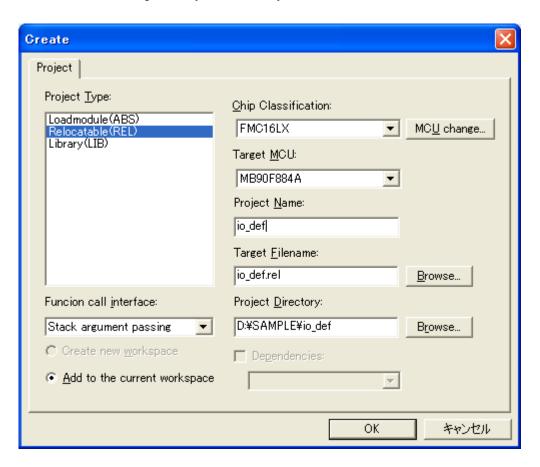
- [1] Download I/O REGISTER FILE for target Microcontroller.
- [2] Unzip download file.
- [3] Make workspace by starting SOFTUNE Workbench.

File -> New -> Workspace/Project file -> Workspace



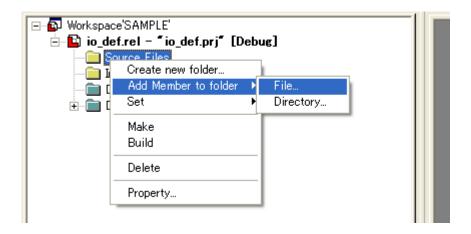
#### [4] Make relocatable (REL) project.

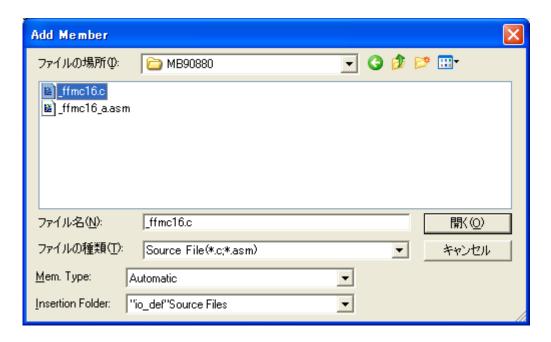
File -> New -> Workspace/Project file -> Project((Relocatable(REL))



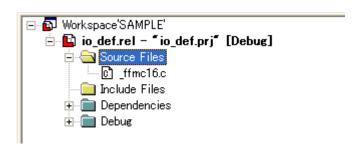
[5] Add the I/O register file to the member.

Source Files(right-clicking) -> Add Member to folder -> File





[Note] When there are two or more \*.c files, Add all \*.c files.

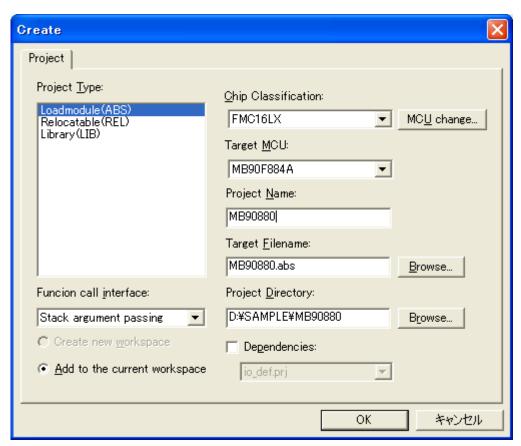


[6] Confirm it is error-free in Make/Build.

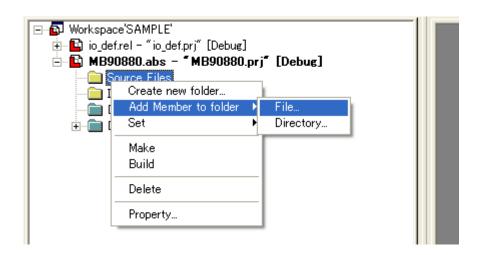
[Note] Disregard W1321L: Ignore(option) Option at mode-identification mode Warning.

### [7] Make Loadmodule(ABS) project.





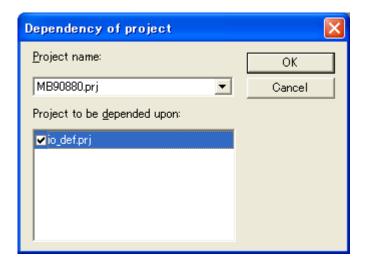
[8] Add the user program to the member.



Describe it as follows when you describe the user program that refers to the I/O register variable.

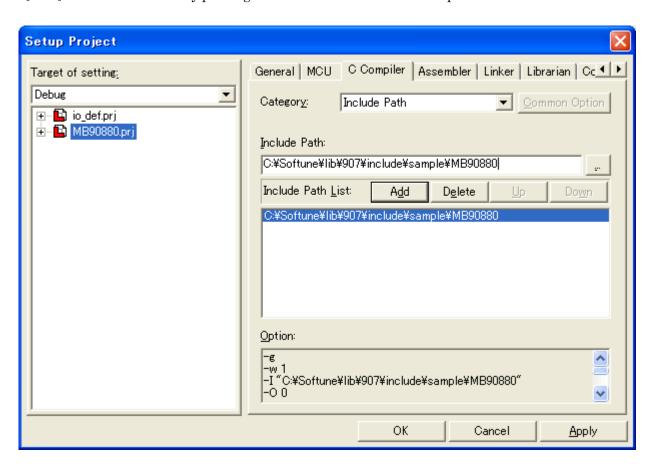
[9] Relate the I/O register file to the user program in the dependence of the project.

Project -> Project Dependencies



#### [10] Set the include path.

Project -> Setup Project -> C Compiler -> Category(Include path)
[Note] It becomes effective by pushing the Add button after the include path is selected.



#### [11] Confirm it is error-free in Make/Build.

[Note] Disregard W1321L: Ignore(option) Option at mode-identification mode Warning.