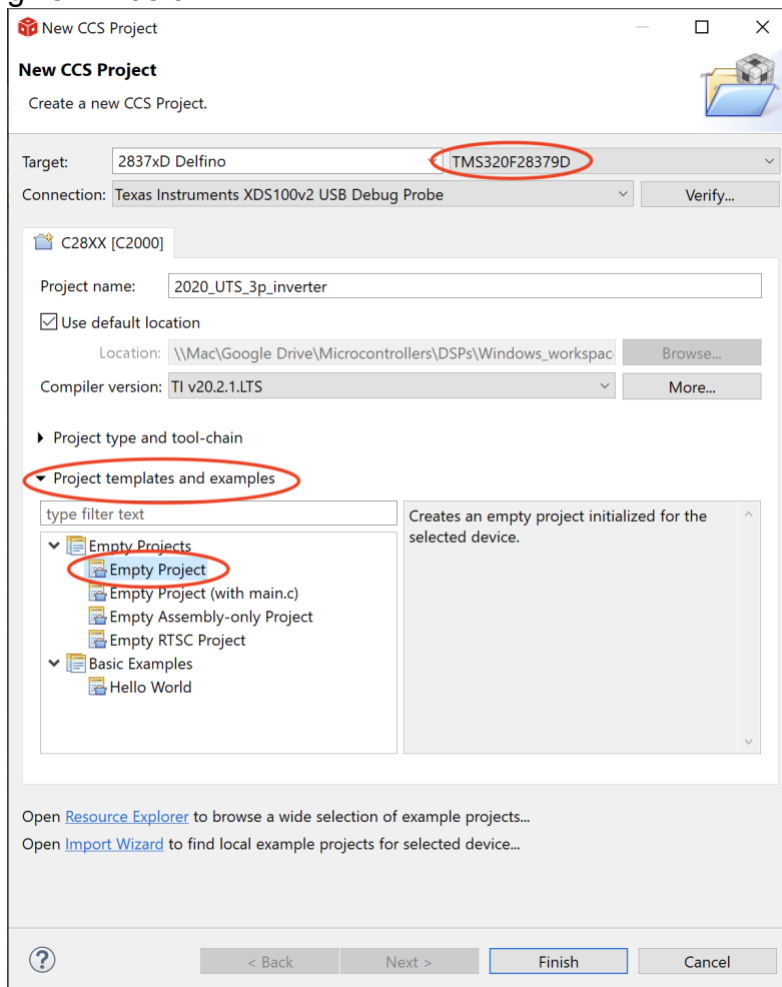


Instructions to create a New Project in CCSv10 for DSP TMS320F28379D

- Before Starting, the latest version of the Code Composer Studio software should be downloaded/installed from <https://www.ti.com/tool/CCSTUDIO>.
- The following steps must be properly accomplished to start writing the C Code into the Software.
- 1. Creating a new Empty Project
File —> New —> CCS Project
Target: 2837xD Delfino TMS320F28379D
Connection: XDS100v2 USB Debug Probe
Project name: Any name without space, e.g., 2020_UTS_3p_inverter
- 2. From the project type and examples, An **Empty Project** has to be selected as given in below.



- 3. From the Project type and tool-chain, the Linker command File should be selected as “none” and select the “finish” bottom finally as given below.

New CCS Project

New CCS Project

Create a new CCS Project.

Target: 2837xD Delfino TMS320F28379D

Connection: Texas Instruments XDS100v2 USB Debug Probe Verify...

C28XX [C2000]

Project name: 2020_UTS_3p_inverter

☒ Use default location

Location: \\Mac\Google Drive\Microcontrollers\DSPs\Windows_workspac Browse...

Compiler version: TI v20.2.1.LTS More...

Project type and tool-chain

Output type: Executable

Output format: legacy COFF

Device endianness: little

Linker command file: <none> Browse...

Runtime support library: <automatic> Browse...

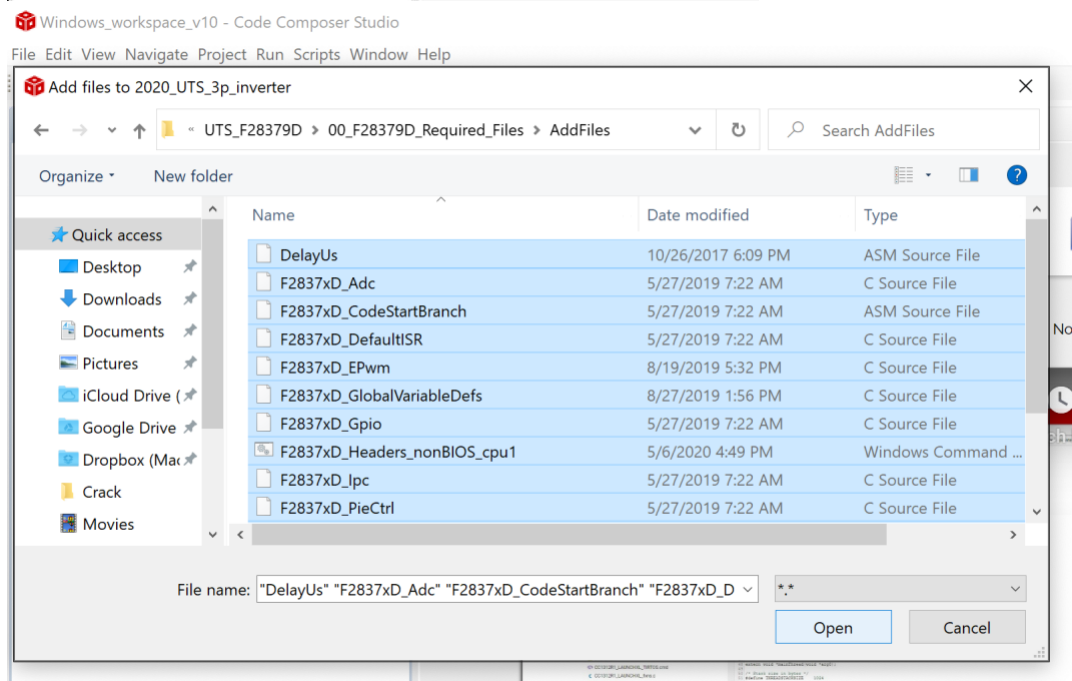
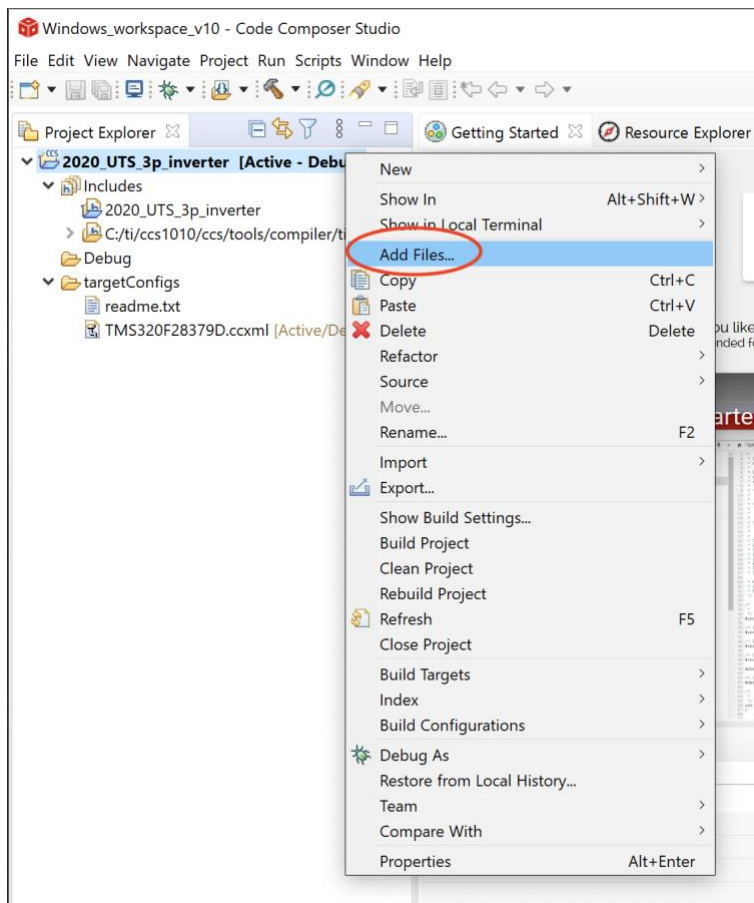
Project templates and examples

Open [Resource Explorer](#) to browse a wide selection of example projects...

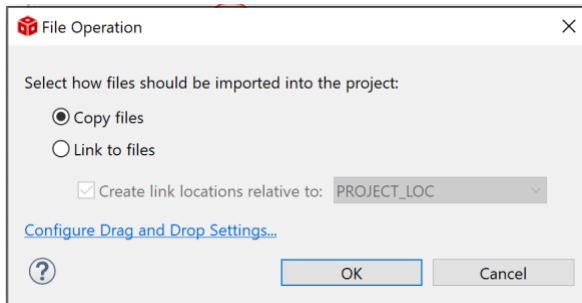
Open [Import Wizard](#) to find local example projects for selected device...

? < Back Next > **Finish** Cancel

4. There are some files that must be added into the project. Therefore, right click on the project and select/drag **“all files”** from the folder of “UTS_F28379D/00_F28379D” as below:



Then in File Operation, select Copy files and click OK.

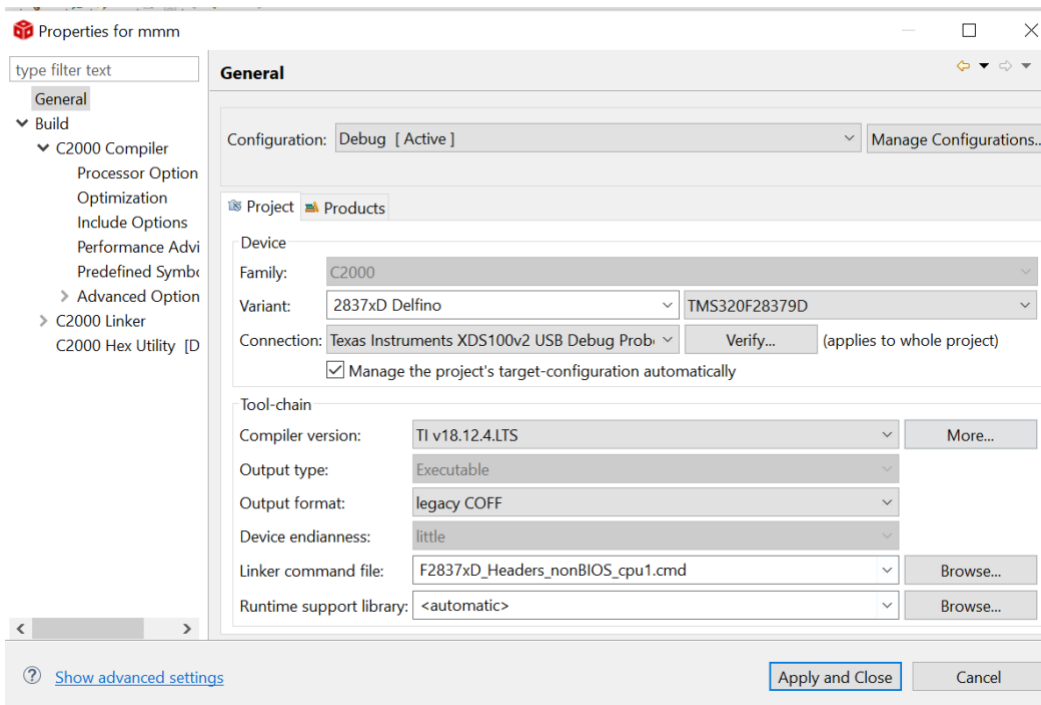


5. Now, right click over the project, and select “show build setting” and follow these steps:

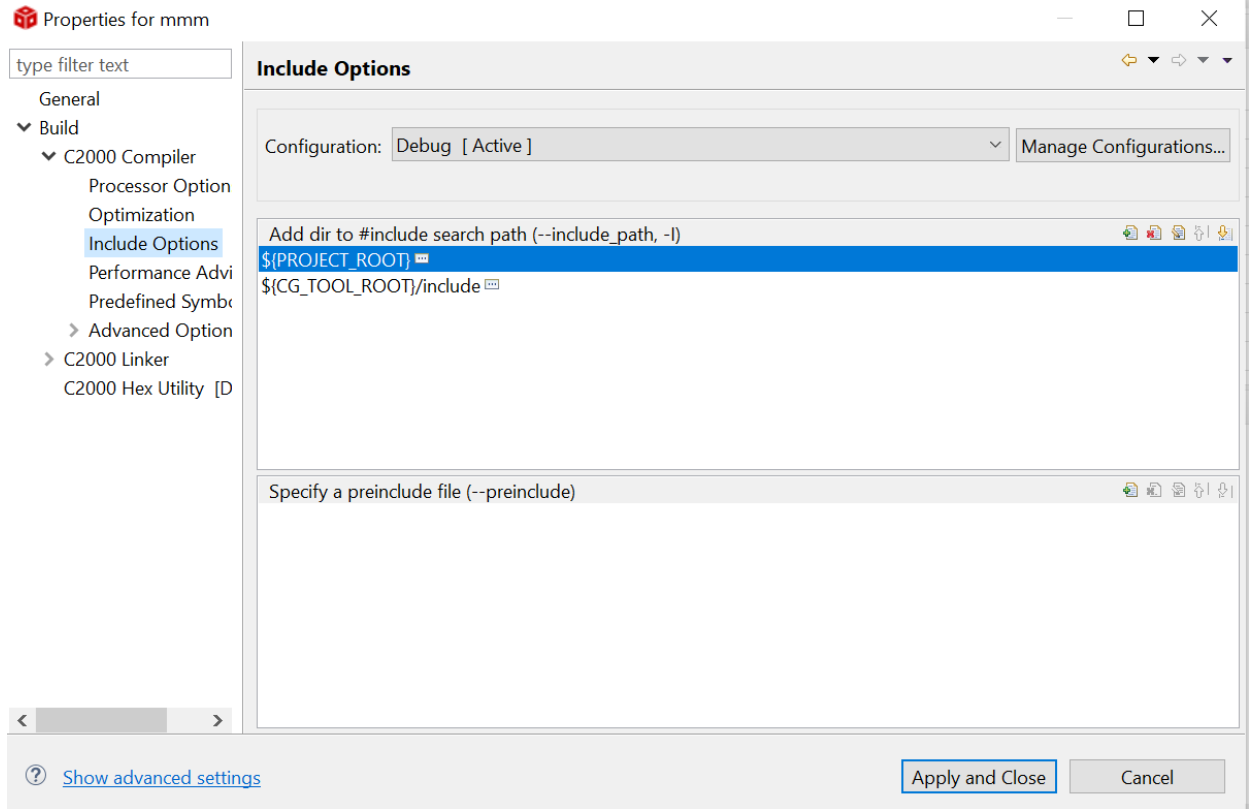
5-1. In “General” tab and in “Variant” section fill the following:

2837xD Delfino

TMS320F28379D



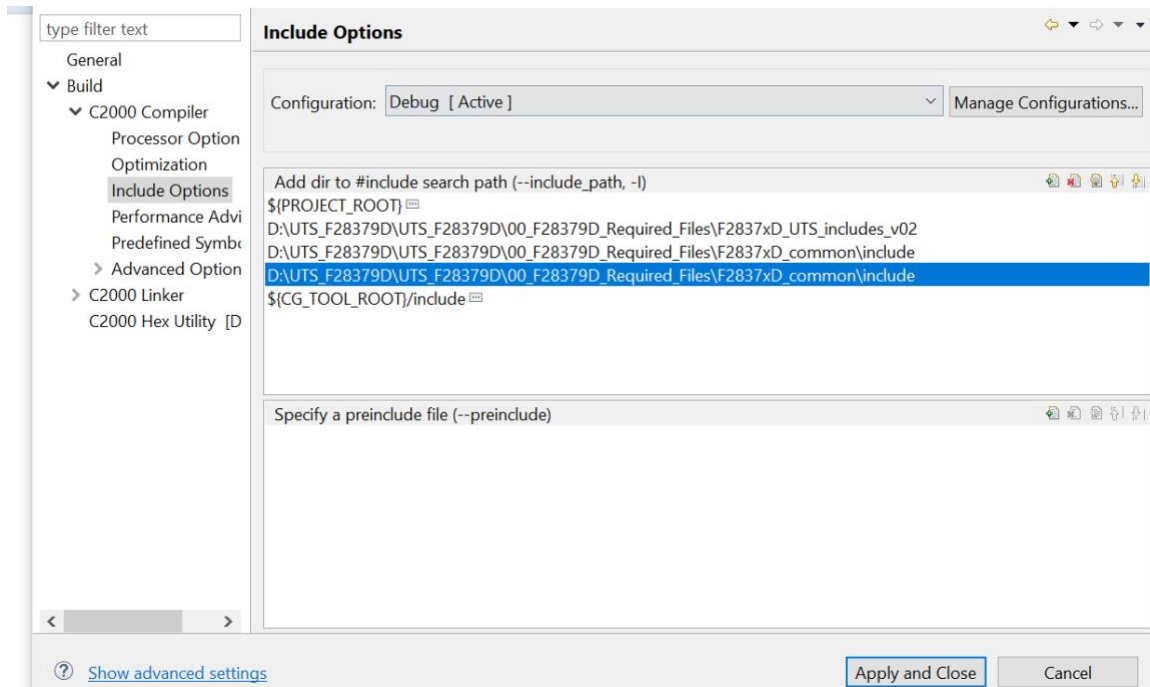
5-2. In the “Build” section, go through the C2000 Code Composer and select “Include” option as given below:



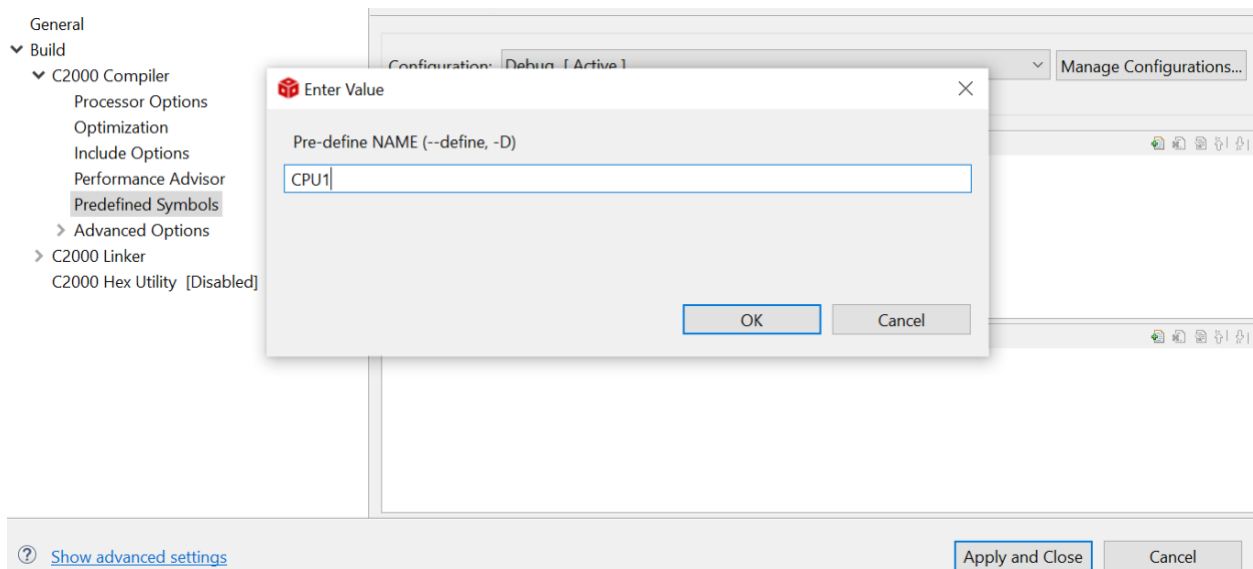
5-3. Select “add” from the right corner side and add the following path from the source folder:

...\00_Required_Files_F28379D\F2837xD_common\include
...\00_Required_Files_F28379D\F2837xD_headers\include
...\00_Required_Files_F28379D\F2837xD_UTS_includes_v0x

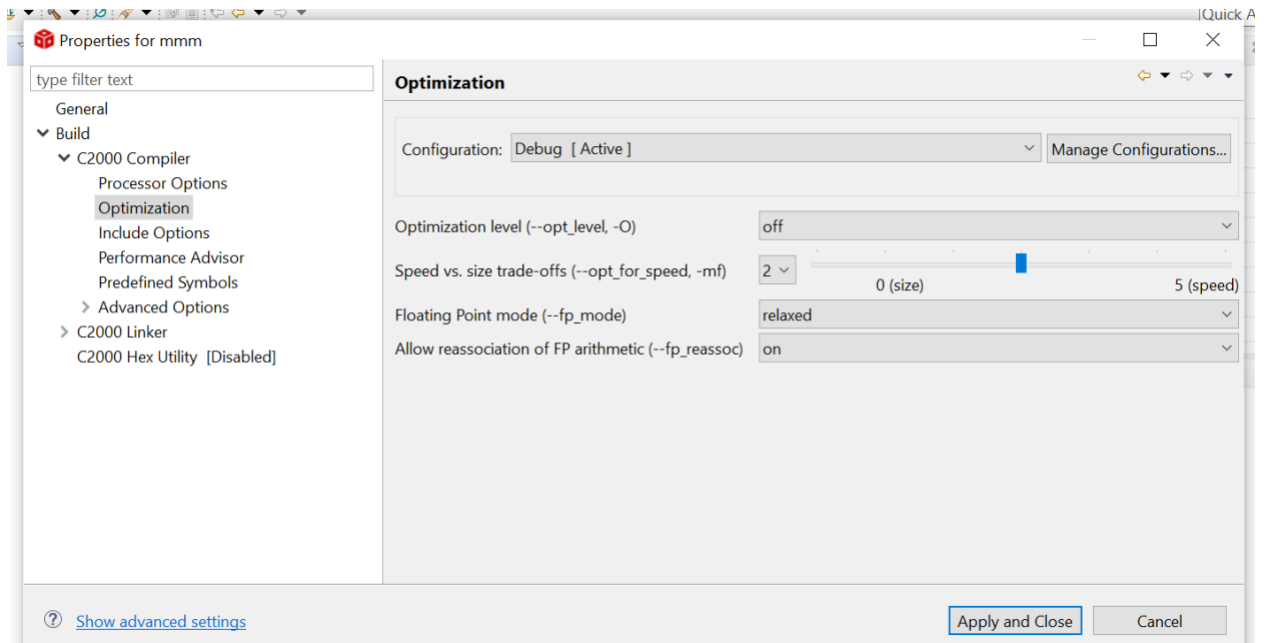
Therefore the tab of “Add dir to #include search path” must be filled as following image:



5-4. In the tab of “predefined symbols”, click “add” and write>>>CPU1<<< as follows:



5-5 In the “optimization” tab, select “**relaxed**” in the **floating point mode** section as given below:



Now, project is ready for writing.