

#1 FILE → NEW → CCS Project

TARGET: TMS320F28335

CONNECTION: Texas Instruments XDS100v2 USB Debug Probe

TOOL-CHAIN:

- LINKER COMMAND FILE: X

- RUNTIME support library: rts2800_fpu32.lib

PROJECT TEMPLATE: EMPTY PROJECT

#2 RIGHT CLICK on Project → Properties:

BUILD

> C2000 Compiler

> OPTIMIZATION

- OPTIMIZATION LEVEL: 4

- SPEED VS. SIZE TRADE-OFFS: 5

- FLOATING POINT MODE: RELAXED

> INCLUDE OPTIONS (ADD):

ti\c2000\device_support\f2833x\headers\include

ti\c2000\device_support\f2833x\common\include

ti\c2000\libraries\math\FPUfastRTS\c28\include

ti\c2000\libraries\math\Qmath\c28\include

> C2000 Linker

> BASIC OPTIONS

- SET C system stack size: 0x400

> FILE SEARCH PATH

- include library file... (add)

ti\c2000\libraries\math\FPUfastRTS\c28\lib\rts2800_fpu32_fast_supplement

↳ move up so it's on top

- ADD <DIR> TO LIBRARY SEARCH PATH

ti\c2000\libraries\math\FPUfastRTS\c28\lib

#3 ADD PROJECT FILES TO THE NEW PROJECT

#4 RIGHT CLICK on PROJECT NAME > Add Files:

FROM HEADERS\cmd: DSP2833x_Headers_nonBIOS

\SOURCE: DSP2833x_Global\VariableDefs

common\SOURCE: DSP2833x_ADC_cal

- CodeStartBranch

- DefaultISR

- PieCtrl

- PieVect

- SysCtrl

- usDelay

#5 EXCLUDE EXISTING LINKER FILE

F28335.cmd or F28335_RAM_link.cmd

ADD FILES →

ti\c2000\device_support\f2833x\common\cmd\F28335.cmd