

MCUXpresso Guide for LPC 11c24 and Other LPC11xx (1/3)

/media/harry/easystore1/backup-2020-2-15/SJSU/CMPE240/11c24-1768-lpcopen/release-gpio-testing-2022-9-20/final\$

<https://medium.com/echohub/mcuxpresso-usage-60c140662ce1>

1. Import Library
2. Import Existing Projects into Workspace
3. select your library path then you will show imported projects files in Import pages
4. You can build imported projects. Right click on project files and click Build Project
5. create new C/C++ project in MCUXpresso IDE for LPC11xx.h
6. import external library

<https://drive.google.com/file/d/1PapSjPC5tJo5jf-MF58GhjaVN1Q8dDvG/view?usp=sharing>

CMSIS_CORE_LPC11xx.zip

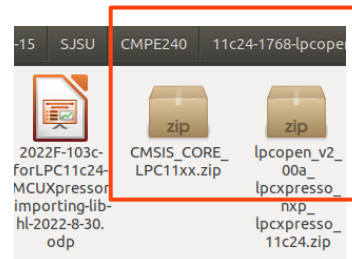
https://github.com/catch22eu/LPC11xx-LPCXpresso-CMSIS/tree/master/CMSISv2p00_LPC11xx

Note: LPC series needs to install CMSIS Library to your workspaces

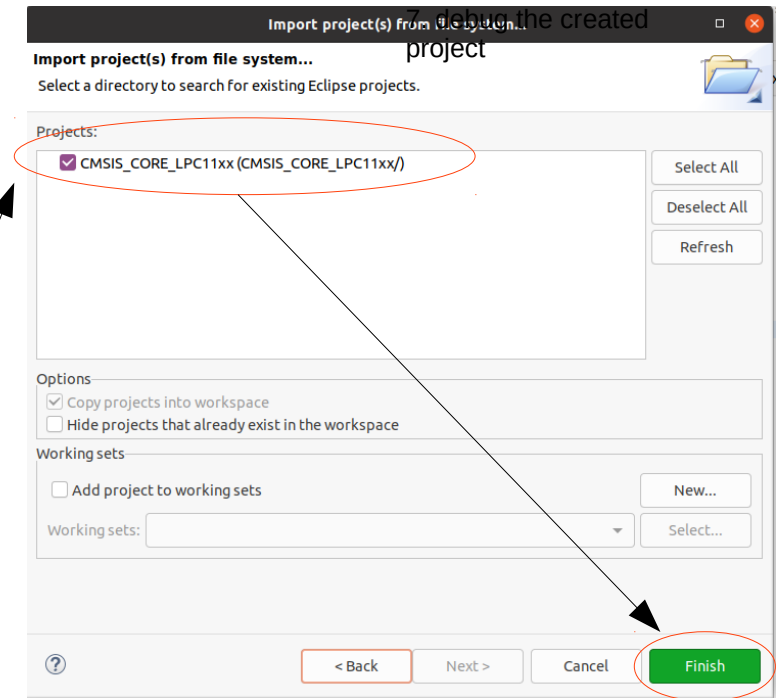
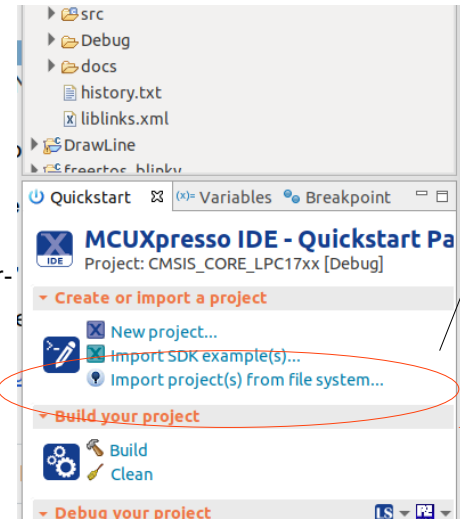
Common Microcontroller Software Interface Standard (CMSIS) is a vendor-independent abstraction layer for microcontrollers that are based on Arm Cortex

CMSIS - Arm Developer<https://developer.arm.com/embedded/cmsis>

Note (HL, 2022-9-20): to run this code, you will need 2 libraries from NXP, (1) CMSIS_CORE_LPC11xx.zip; (2) lpcopen_v2_00a_lpcxpresso_nxp_lpcxpresso_11c24.zip



Note (HL 2022-9-20) I have uplode both library zip files to the class github, in order to it easier to search, I have placed the same zip files with 2 different name, one is the name shown here (left), the other is with prefix 2022F-103d and 2022F-103e



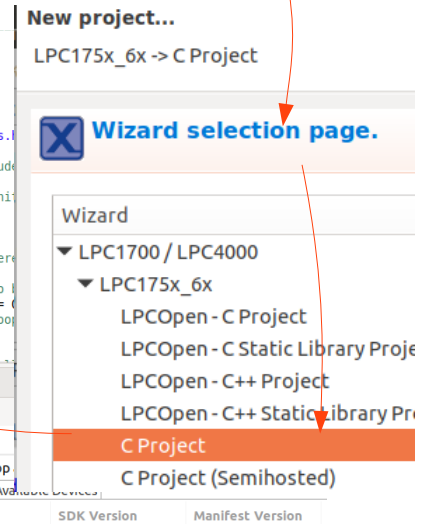
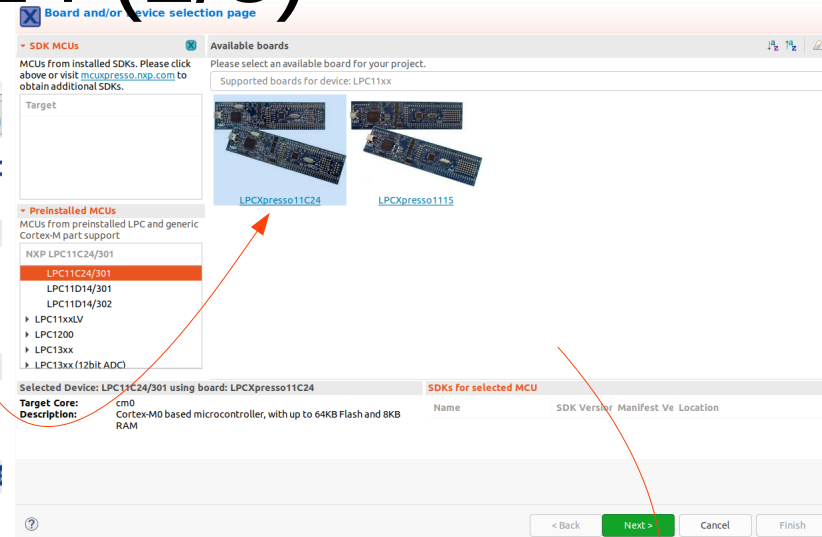
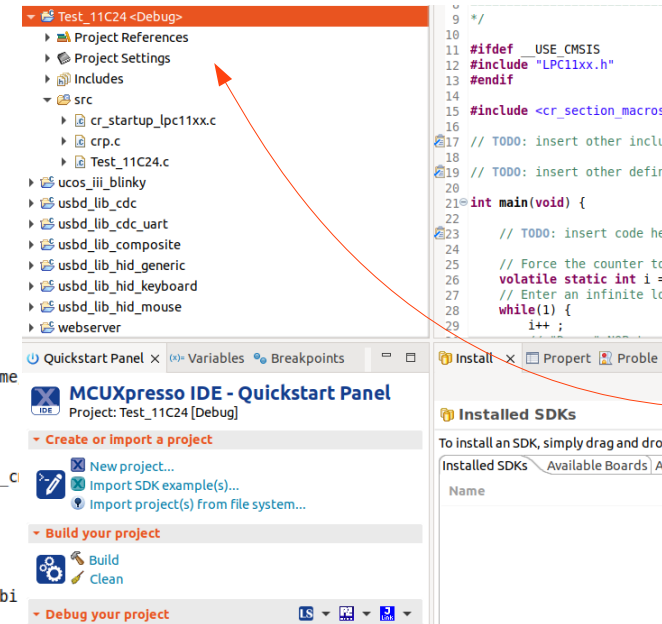
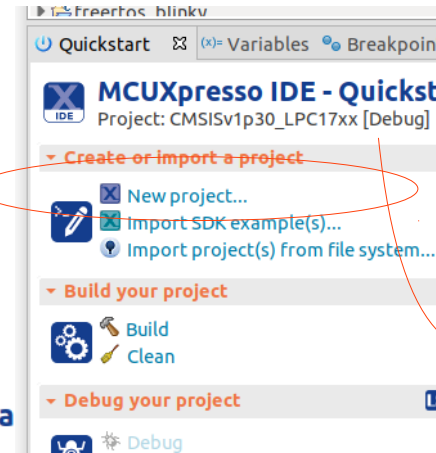
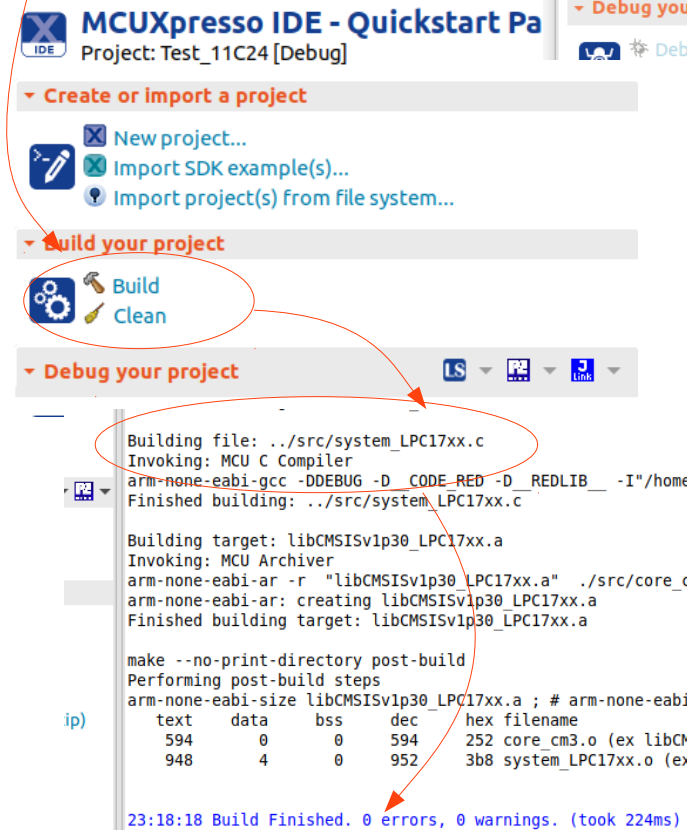
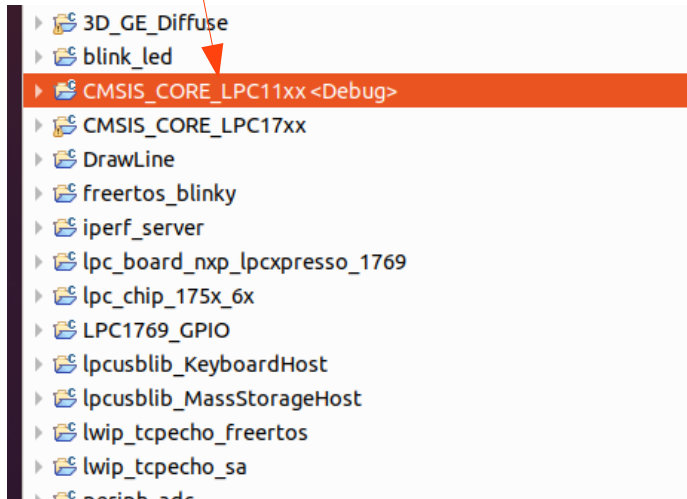
MCUXpresso for LPC 11c24 (2/3)

1. Download CMSIS LPC17xx library from the github

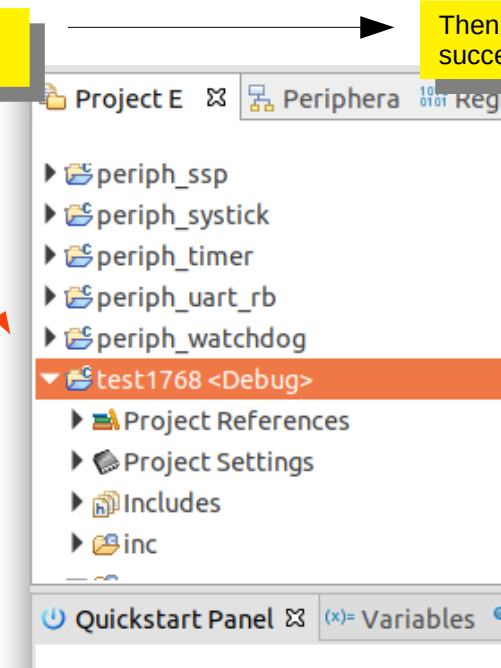
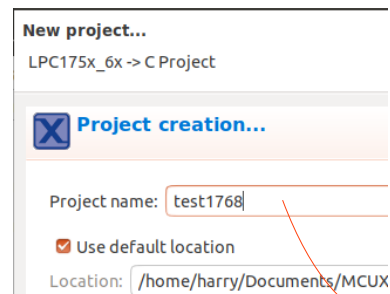
2. Imported the library the workspace

3. Then build the library

4. Create new C/C++ project



MCUXpresso for LPC 11c24 (3/3)



```
Finished building: ../src/test1768.c
Finished building: ../src/cr_startup_lpc175x_6x.c
Building target: test1768.axf
Invoking: MCU Linker
arm-none-eabi-gcc -nostdlib -L"/home/harry/Documents/MCUXpre
Memory region      Used Size  Region Size  %age Used
MFlash512:         1116 B      512 KB      0.21%
RamLoc32:           4 B       32 KB      0.01%
RamAHB32:           0 GB      32 KB      0.00%
Finished building target: test1768.axf

make --no-print-directory post-build
Performing post-build steps
arm-none-eabi-size "test1768.axf"; # arm-none-eabi-objcopy -
text    data    bss    dec    hex filename
1116      0      4    1120    460 test1768.axf

00:35:48 Build Finished. 0 errors, 0 warnings. (took 230ms)
```