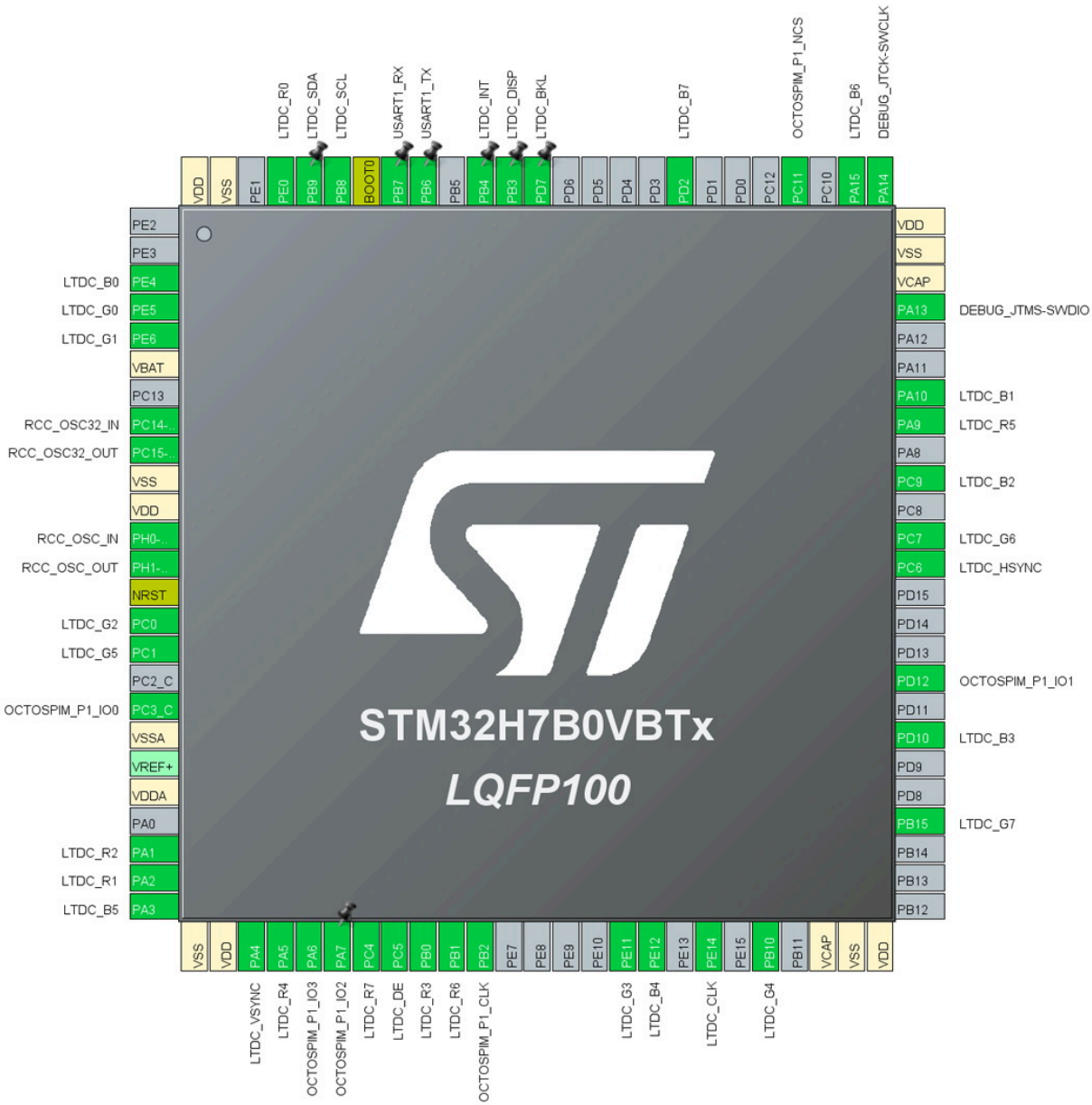
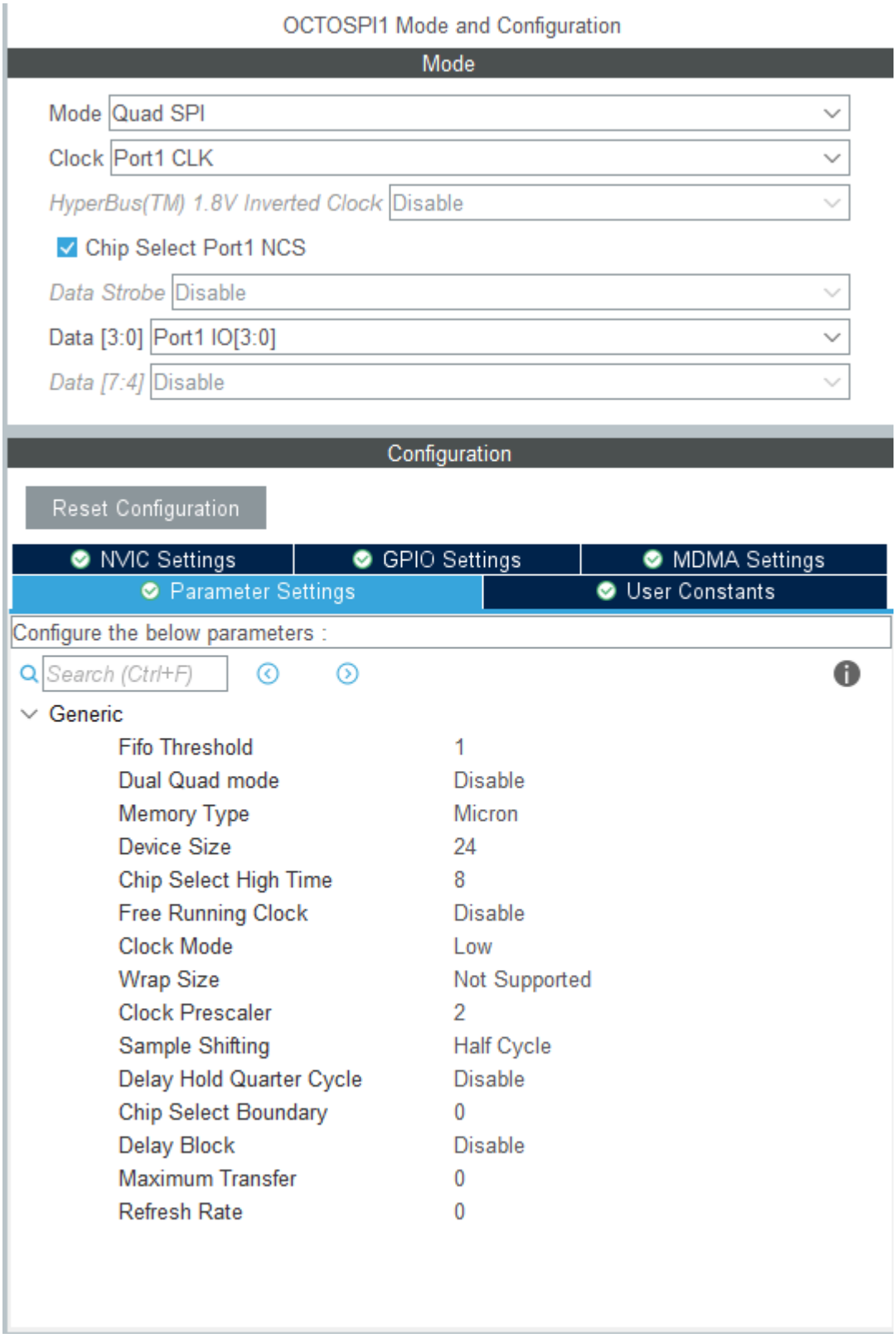
STM32H7-W25Q128-External-Loader

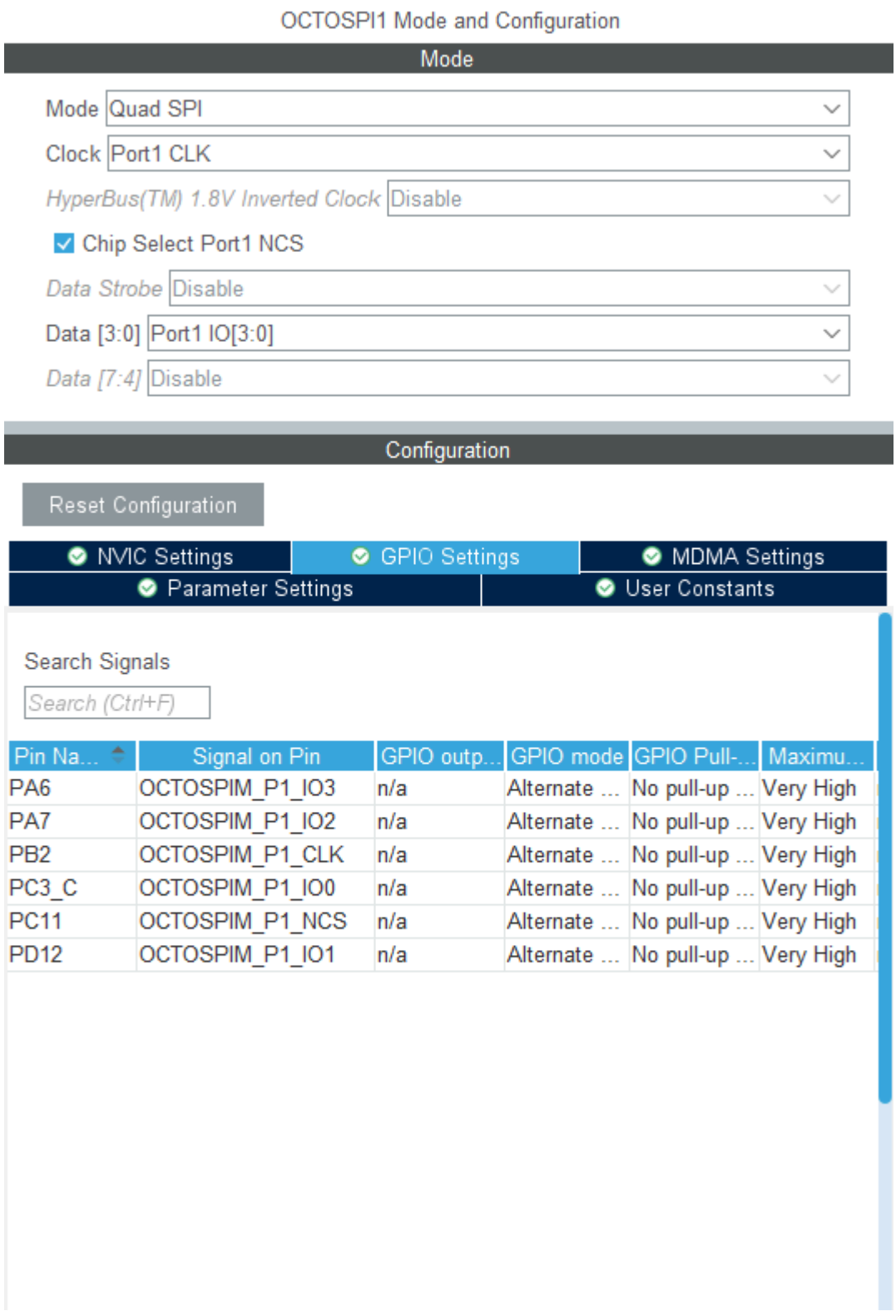
W25Q128 External Loader for STM32H7b0VBT6

Pin Out:

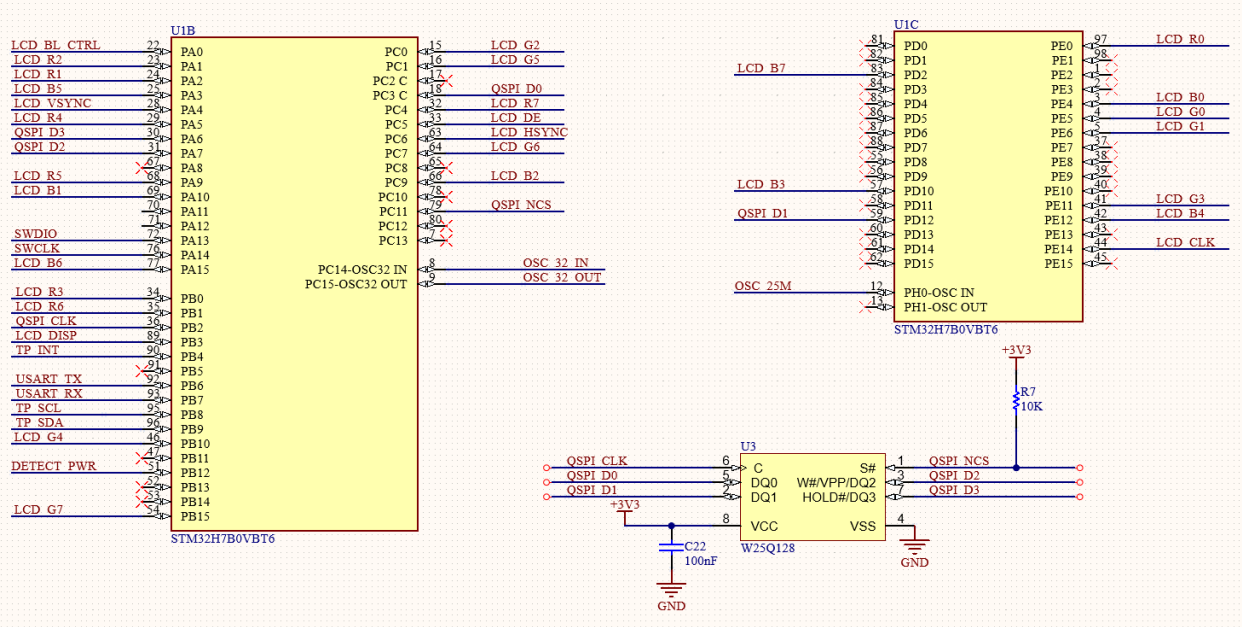


OCTOSPI Configuration:



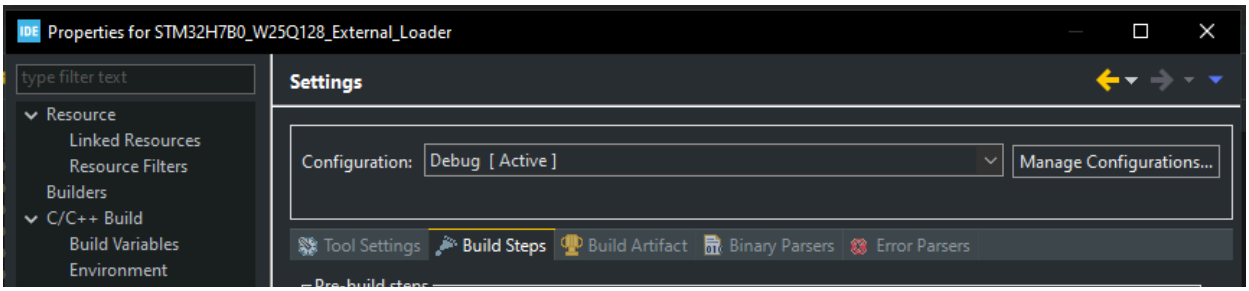

OCTOSPI1 Mode and Configuration
Mode
Mode Quad SPI
Clock Port1 CLK
HyperBus(TM) 1.8V Inverted Clock Disable
Chip Select Port1 NCS
Data Strobe Disable
Data [3:0] Port1 IO[3:0]
Data [7:4] Disable
Configuration
Reset Configuration
NVIC Settings
GPIO Settings
MDMA Settings
Parameter Settings
User Constants
Search Signals
Search (Ctrl+F)
Pin Na... Signal on Pin GPIO outp... GPIO mode GPIO Pull-... Maximu...
PA6 OCTOSPIM_P1_IO3 n/a Alternate ... No pull-up ... Very High
PA7 OCTOSPIM_P1_IO2 n/a Alternate ... No pull-up ... Very High
PB2 OCTOSPIM_P1_CLK n/a Alternate ... No pull-up ... Very High
PC3_C OCTOSPIM_P1_IO0 n/a Alternate ... No pull-up ... Very High
PC11 OCTOSPIM_P1_NCS n/a Alternate ... No pull-up ... Very High
PD12 OCTOSPIM_P1_IO1 n/a Alternate ... No pull-up ... Very High

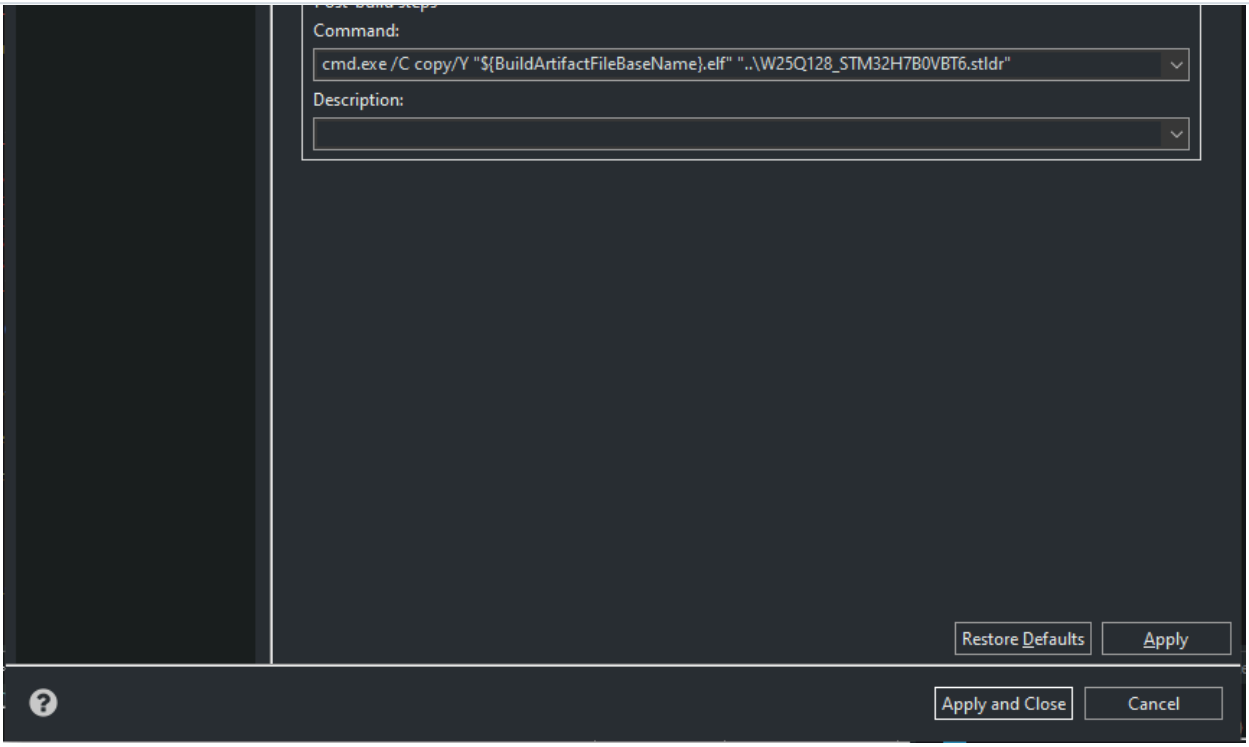
Schematic:



Project Properties

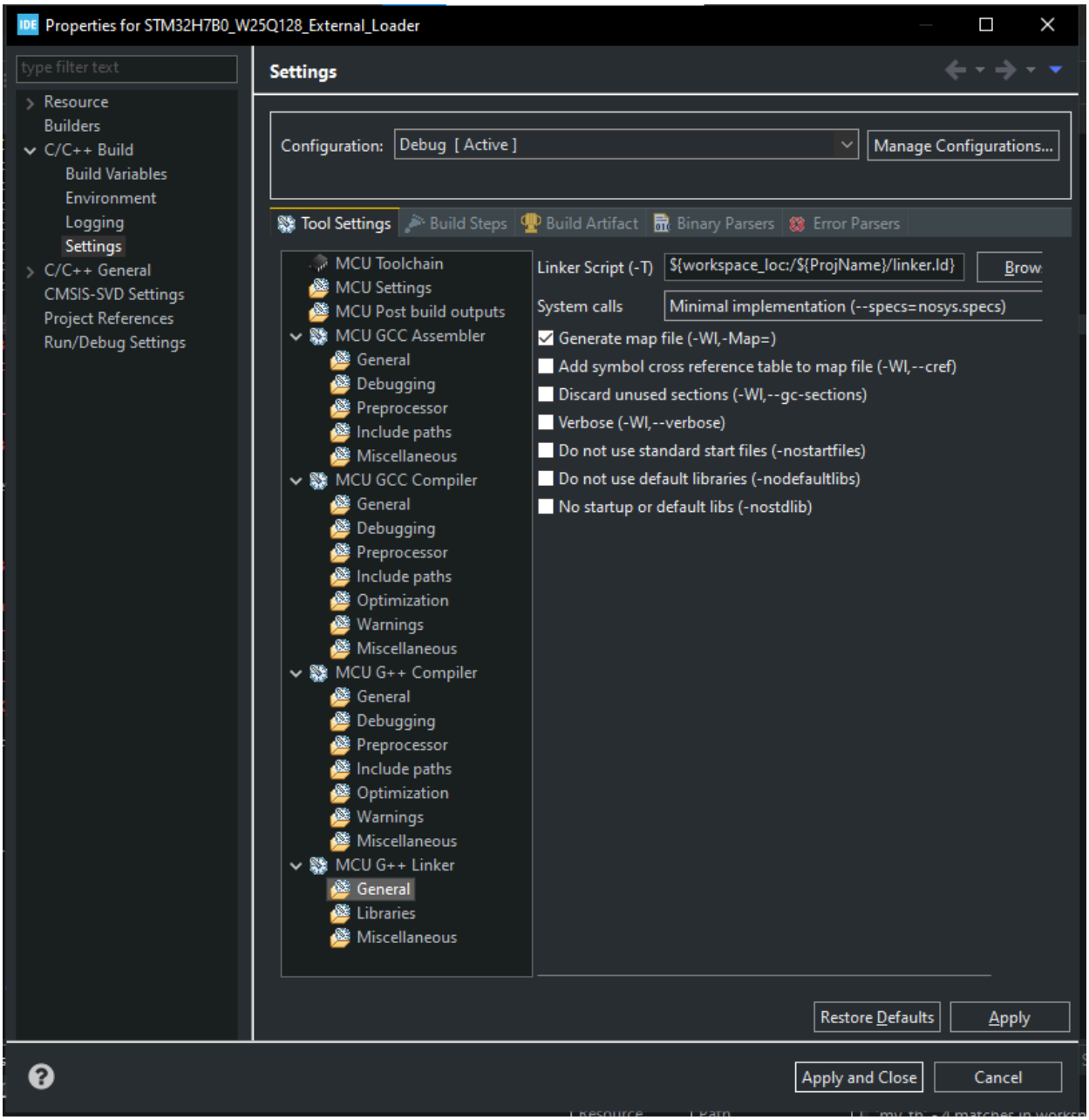
cmd.exe /C copy/Y "${BuildArtifactFileBaseName}.elf" "..\W25Q128_STM32H7B0VBT6.stldr"





Change Linker Script file. Click Browse and choose "linker.ld"

Unchek "Discard Unused Sections (-WL,--gc-sections)"


Properties for STM32H7B0_W25Q128_External_Loader
type filter text
Resource
Builders
C/C++ Build
Build Variables
Environment
Logging
Settings
C/C++ General
CMSIS-SVD Settings
Project References
Run/Debug Settings
Settings
Configuration: Debug [Active]
Manage Configurations...
Tool Settings
Build Steps
Build Artifact
Binary Parsers
Error Parsers
MCU Toolchain
MCU Settings
MCU Post build outputs
MCU GCC Assembler
General
Debugging
Preprocessor
Include paths
Miscellaneous
MCU GCC Compiler
General
Debugging
Preprocessor
Include paths
Optimization
Warnings
Miscellaneous
MCU G++ Compiler
General
Debugging
Preprocessor
Include paths
Optimization
Warnings
Miscellaneous
MCU G++ Linker
General
Libraries
Miscellaneous
Linker Script (-T)
${workspace_loc:/${ProjName}/linker.ld}
Brow
System calls
Minimal implementation (--specs=nosys.specs)
Generate map file (-Wl,-Map=)
Add symbol cross reference table to map file (-Wl,--cref)
Discard unused sections (-Wl,--gc-sections)
Verbose (-Wl,--verbose)
Do not use standard start files (-nostartfiles)
Do not use default libraries (-nodefaultlibs)
No startup or default libs (-nostdlib)
Restore Defaults
Apply
Apply and Close
Cancel