Embedded Systems Design

Introduction to STM32Cube IDE

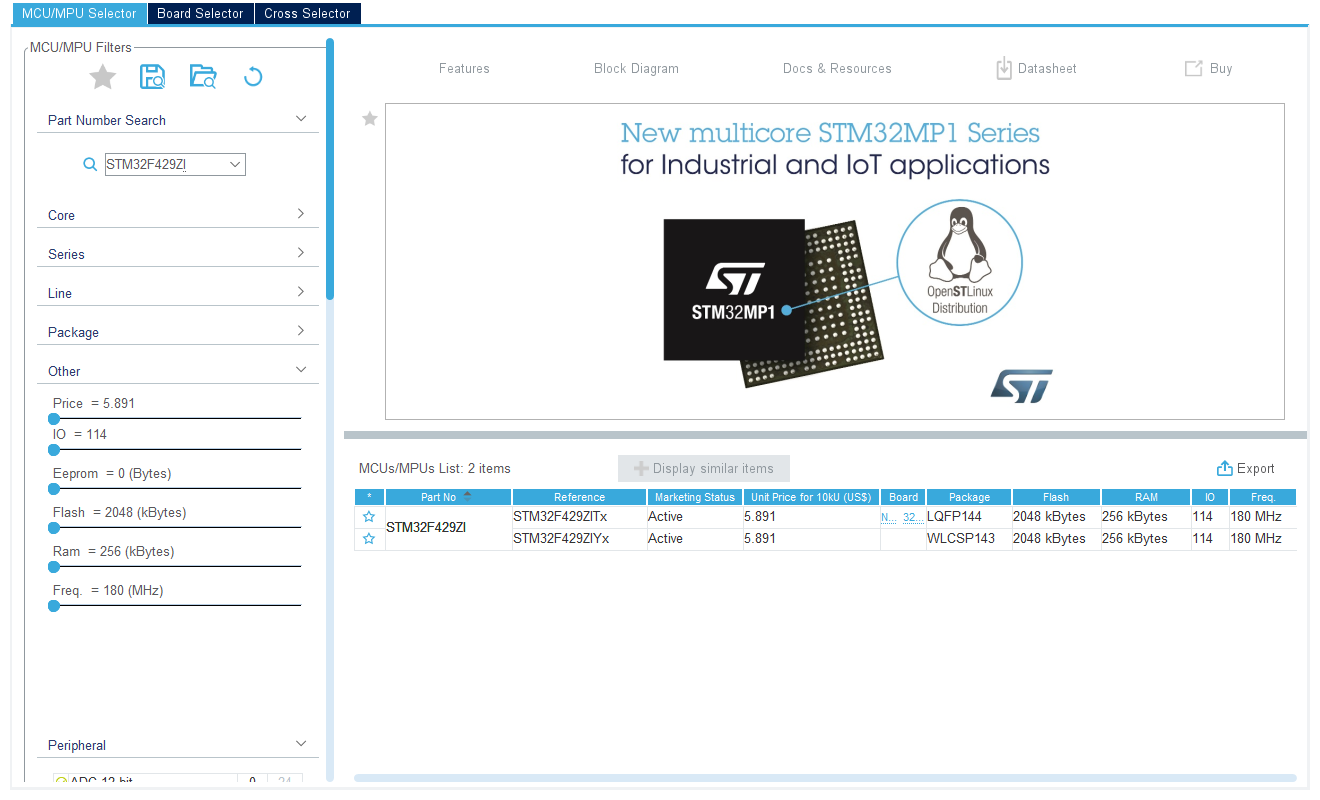
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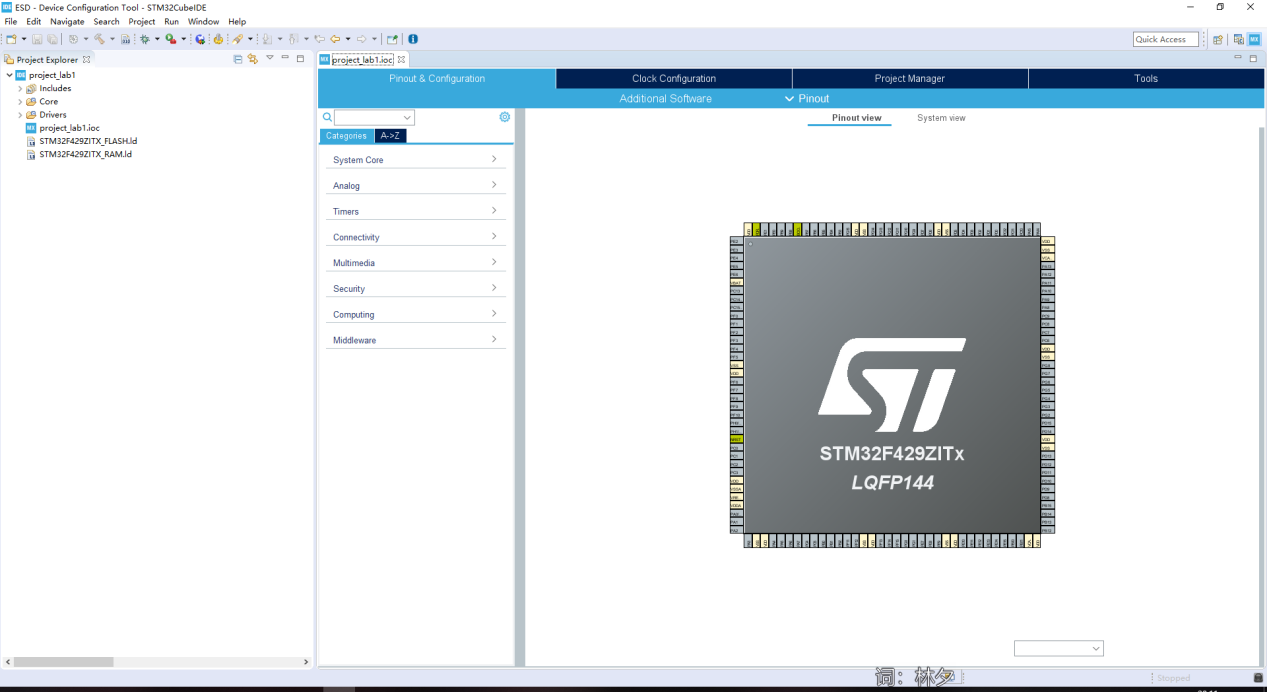
Date: 2020-6-8

1. The creation of project

I search the STM32F429 and choose the first whose package is LQFP144.

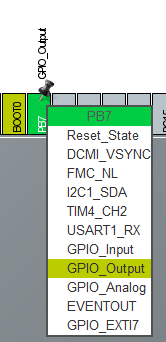
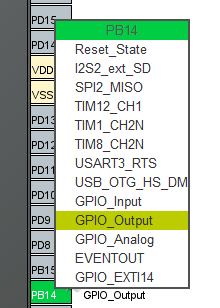


After the set up, I can see the following picture.



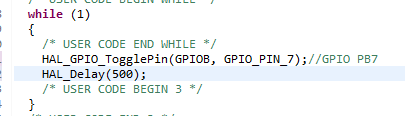
1. Set

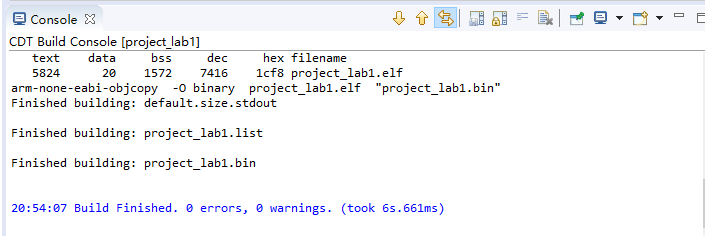
I set the PB7 and PB14 to GPIO\_OUTPUT and save it.

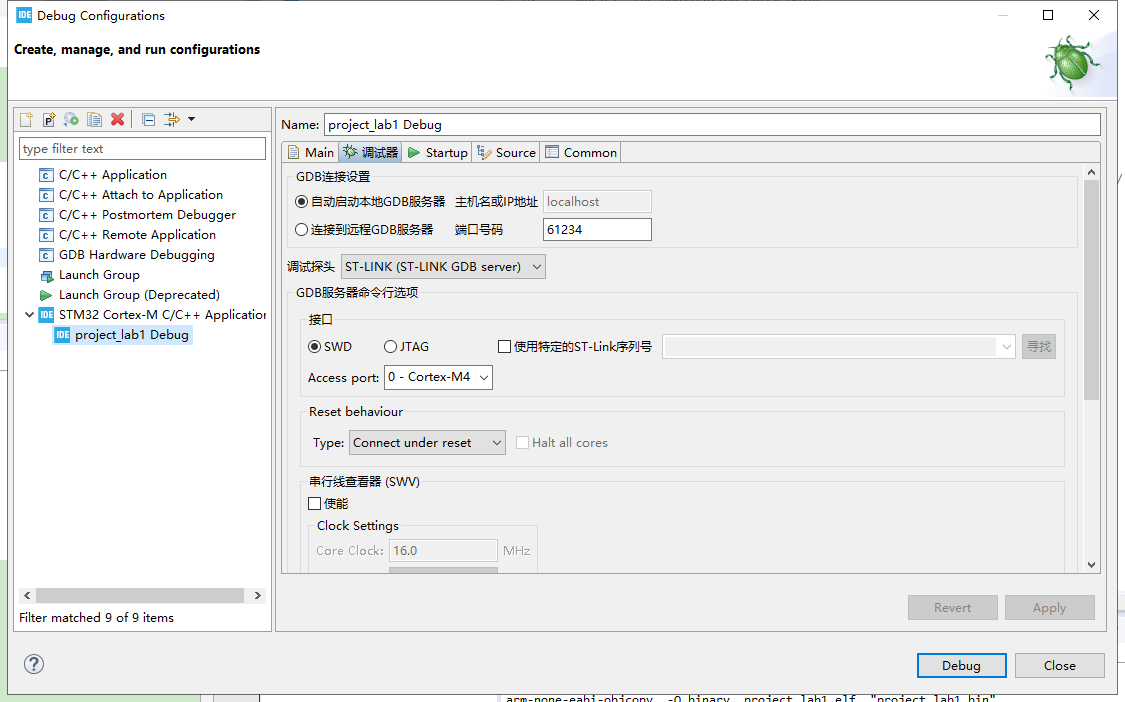
1. Main.c

I write some codes in main.c and press build all.

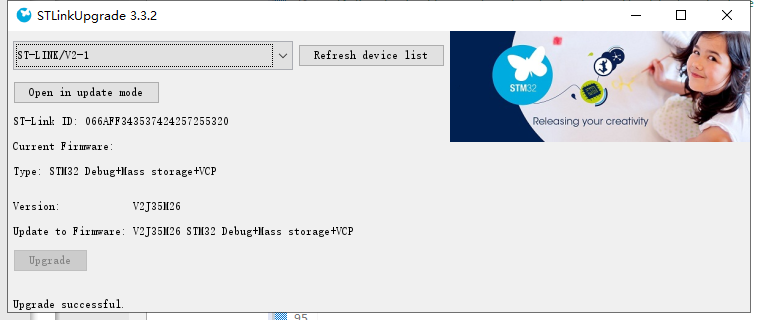


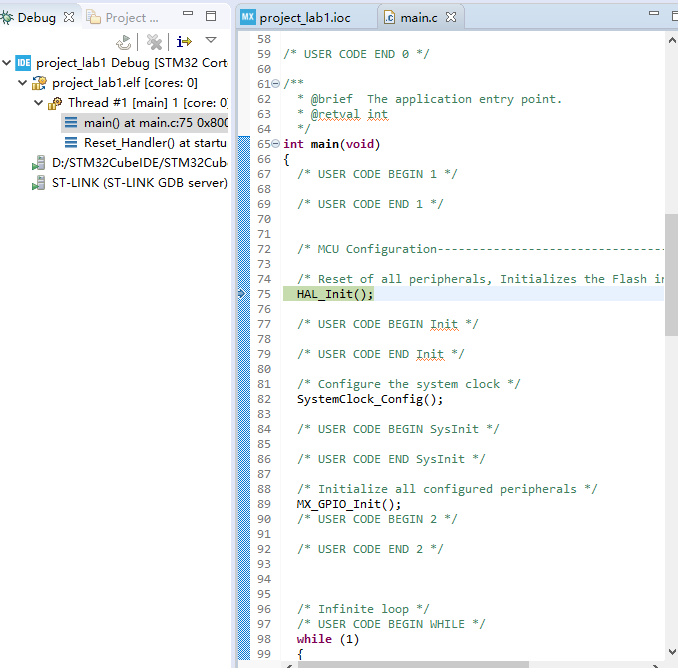


1. I press run->Debug Configuration->STM32 Cortex-M C/C++ Application.Then I press Debug.



However, it tells me I don’t connect with my board and I need to update my STLink.So I connect it and update my STLink and Debug again.





1. I set the breakpoint at the code line I wrote before, and I can see the blue LED twinkle.
2. I write the code into main.c and build all again.Then I run it again.I can see blue and red lights flash alternately.

