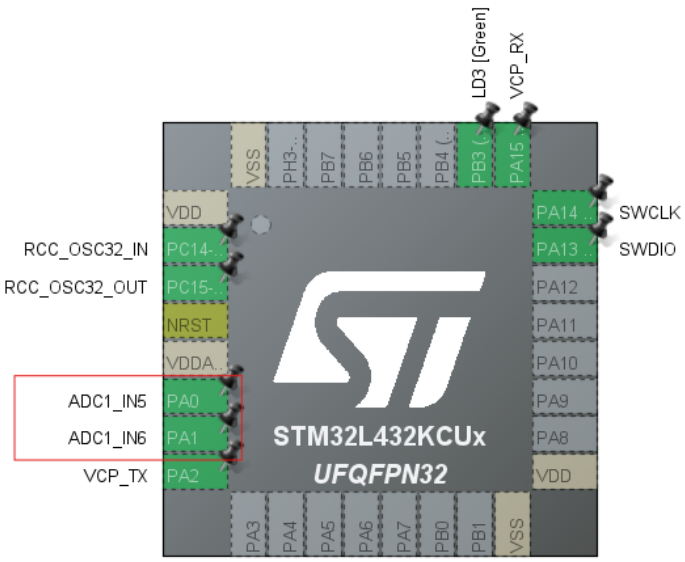
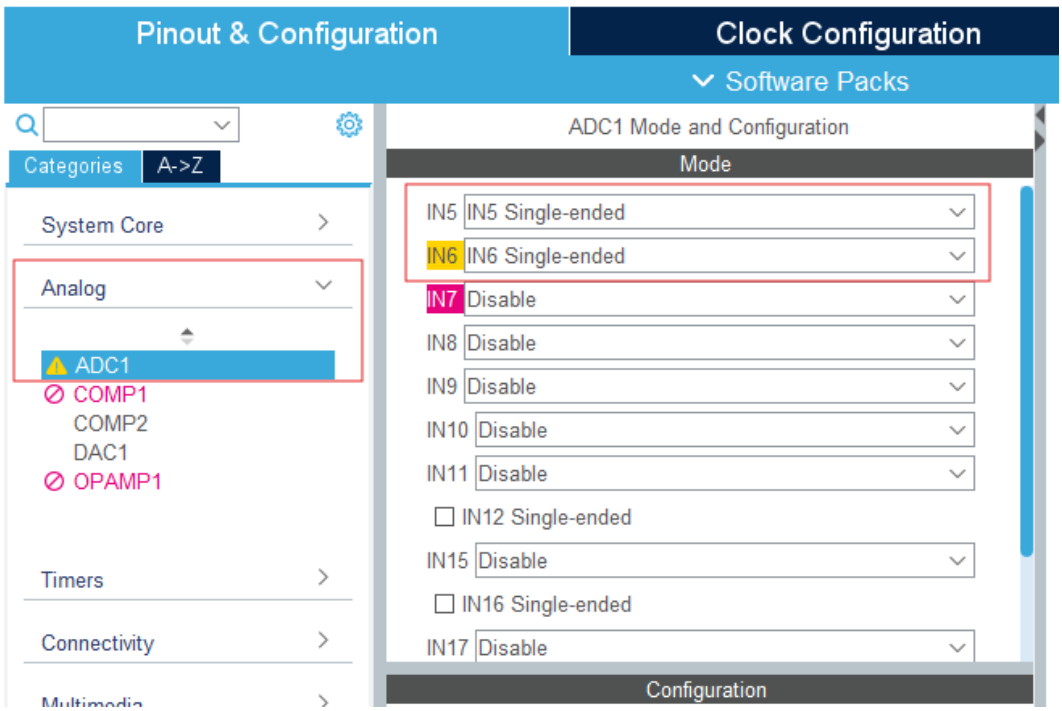
Project 3: Setting up your .ioc file

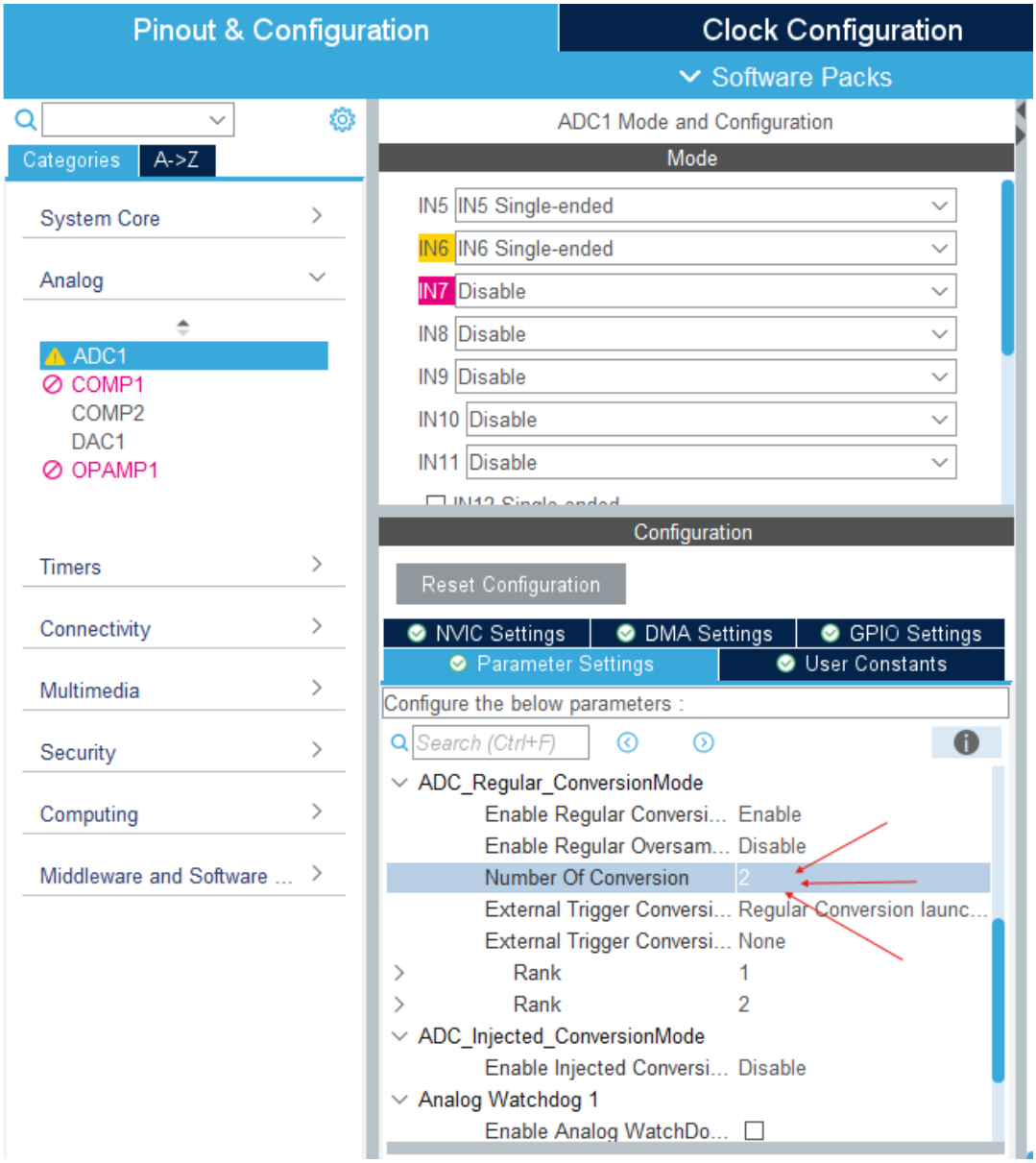
1. Pin Setup - Change PA0 to “ADC1_IN5”, PA_1 to “ADC1_IN6”.



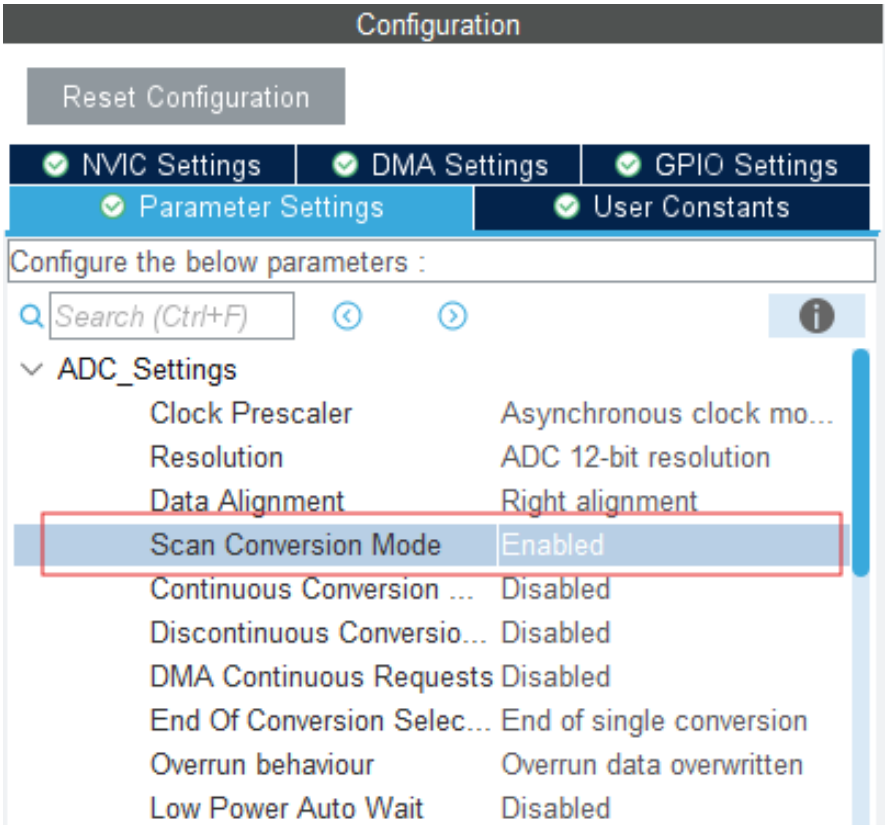
2. At the “Pinout & Configuration” tab, go to Analog -> ADC1, under “ADC1 Mode and Configuration” change IN5 and IN6 to “Single-ended”.



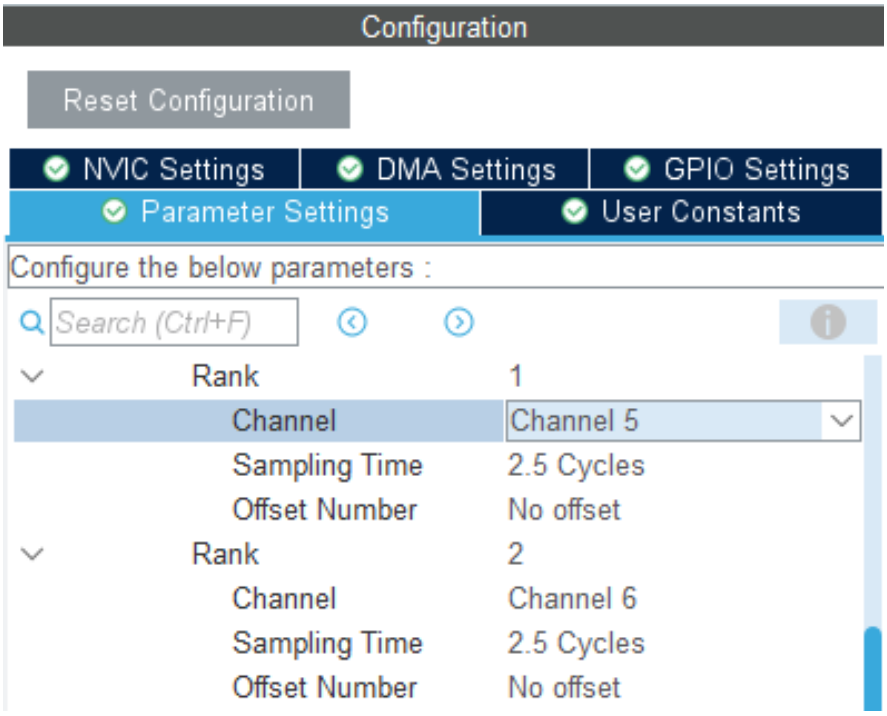
3. Scroll down to Configuration and find “Number Of Conversion”, set it to “2”.



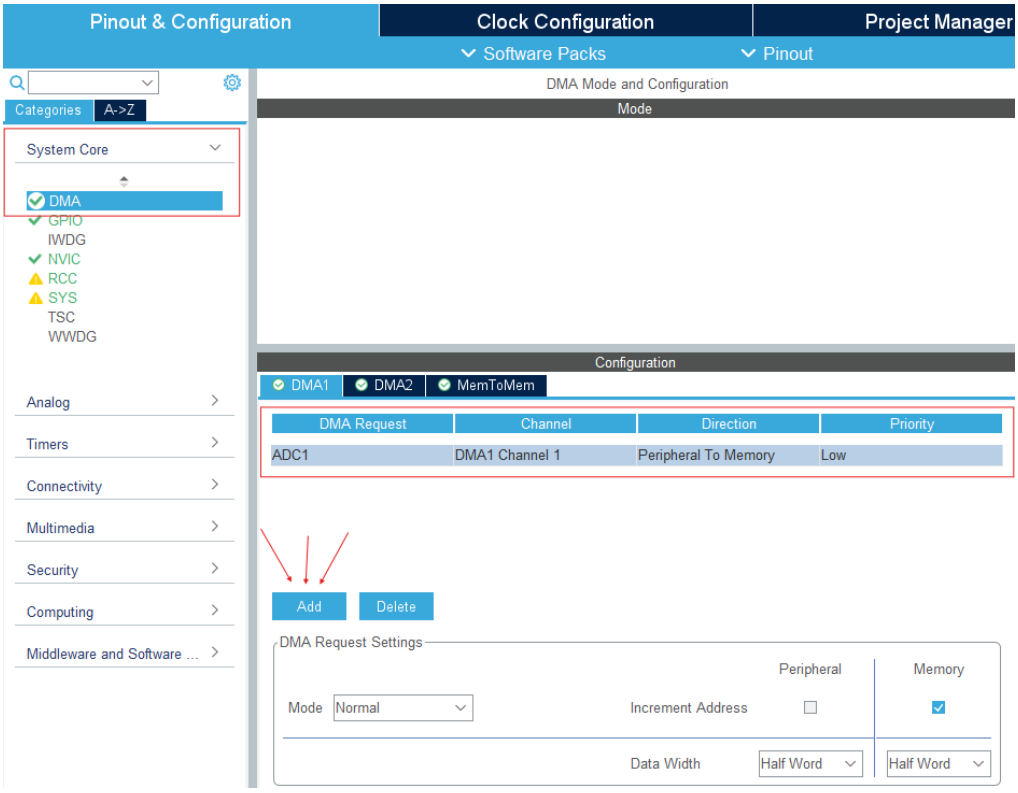
4. In the same window, ensure “Scan Conversion Mode” is enabled.



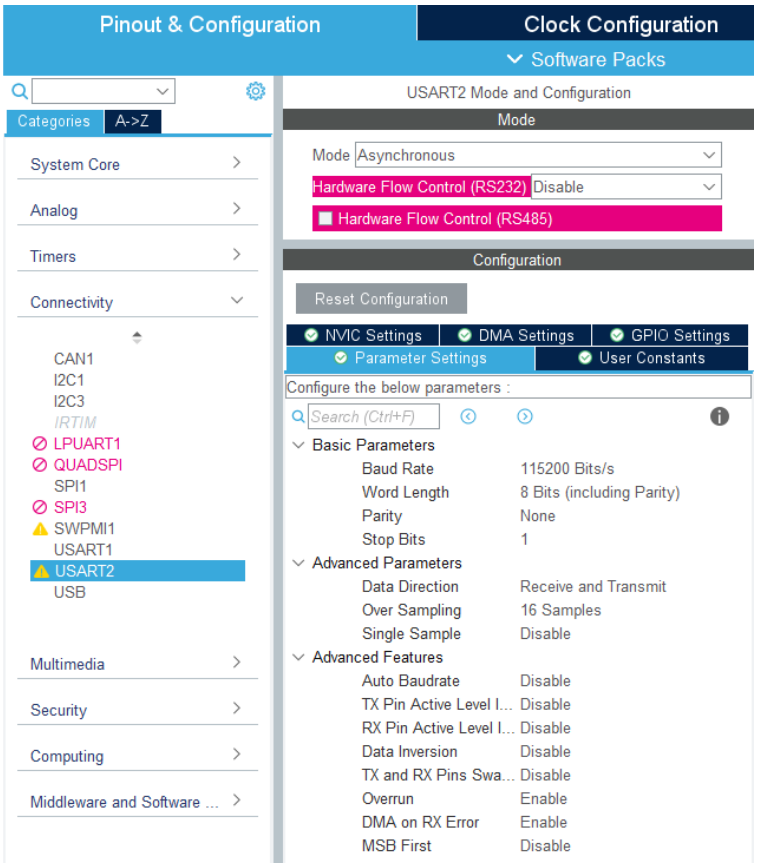
5. In the same window, ensure “Rank” settings follow these.



6. Now go to System Core -> DMA and add these.



7. Go to Connectivity -> USART2 and follow all these settings



8. Go to “Clock Configuration” tab and follow these settings