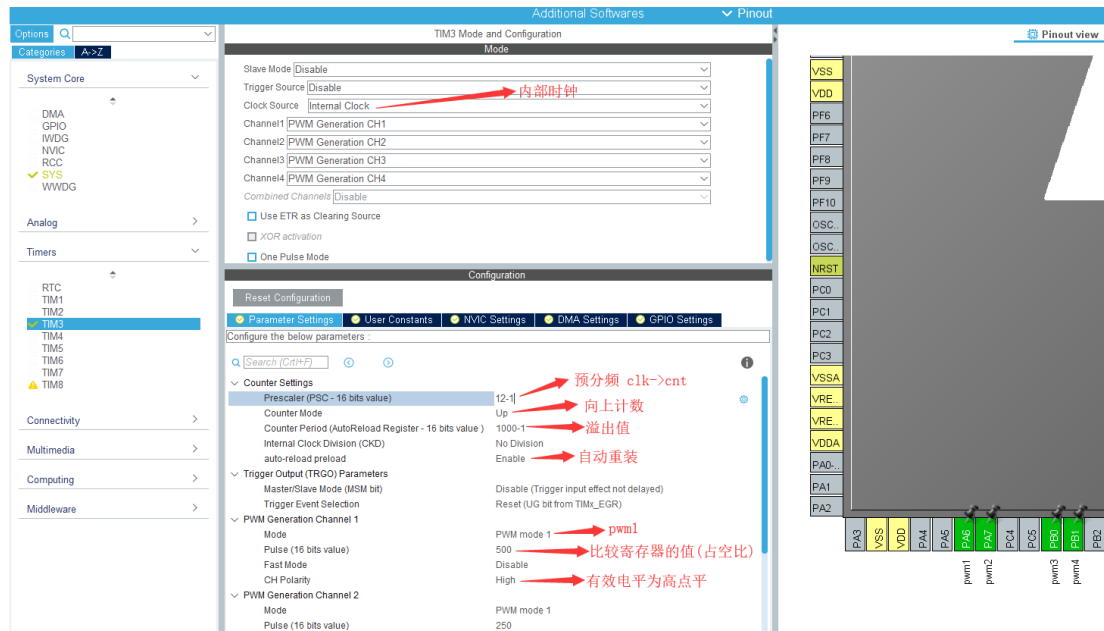
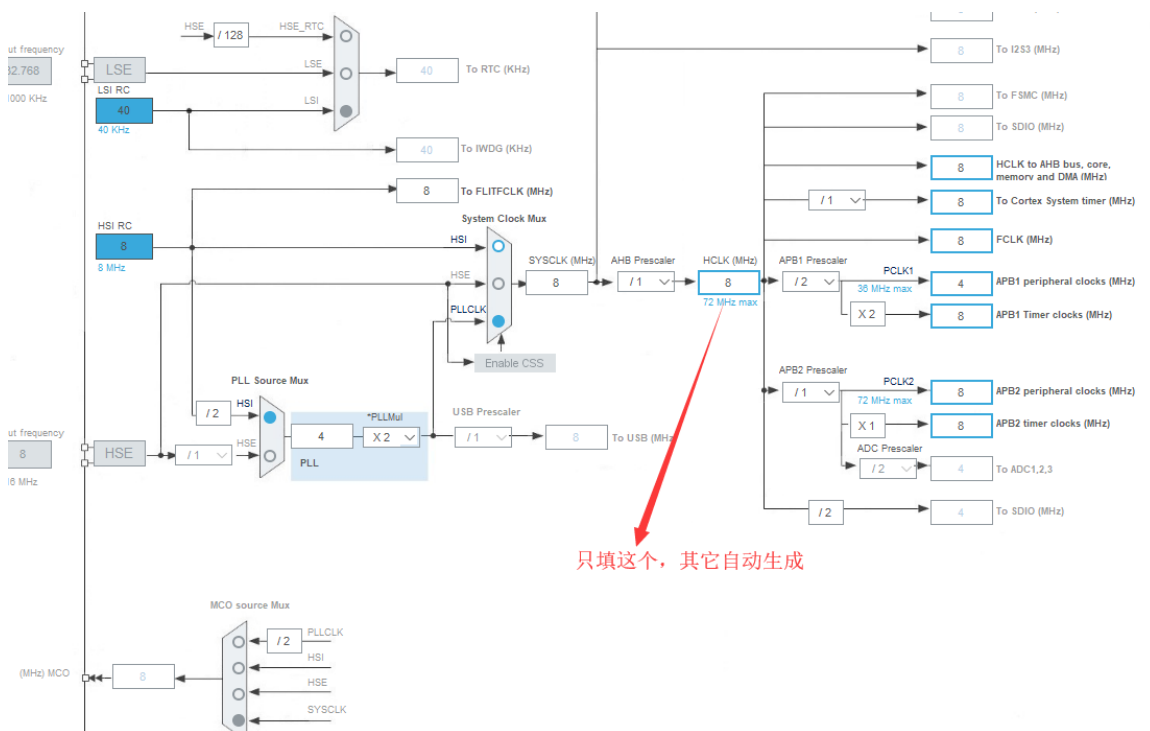


Tim3 set:



时钟配置:



工程配置:

Code Generator	Generated files
	<ul style="list-style-type: none"><input checked="" type="checkbox"/> Generate peripheral initialization as a pair of '.c/.h' files per peripheral<input type="checkbox"/> Backup previously generated files when re-generating<input checked="" type="checkbox"/> Keep User Code when re-generating<input checked="" type="checkbox"/> Delete previously generated files when not re-generated
HAL Settings	

Project	Project Settings
Code Generator	Project Name tim_test2
	Project Location E:\app need\stm32cube_proj → 工程路径不能有中文，否则生成代码有错误
Advanced Settings	Application Structure Basic <input type="checkbox"/> Do not generate the main()
	Toolchain Folder Location E:\app need\stm32cube_proj\tim_test2\
	Toolchain / IDE MDK-ARM V5 <input type="checkbox"/> Generate Under Root
	Linker Settings
	Minimum Heap Size 0x200
	Minimum Stack Size 0x400
	Mcu and Firmware Package
	Mcu Reference STM32F103ZETx
	Firmware Package Name and Version STM32Cube FW_F1 V1.7.0
	<input checked="" type="checkbox"/> Use Default Firmware Location C:/Users/ANDY/STM32Cube/Repository/STM32Cube_FW_F1_V1.7.0 Browse

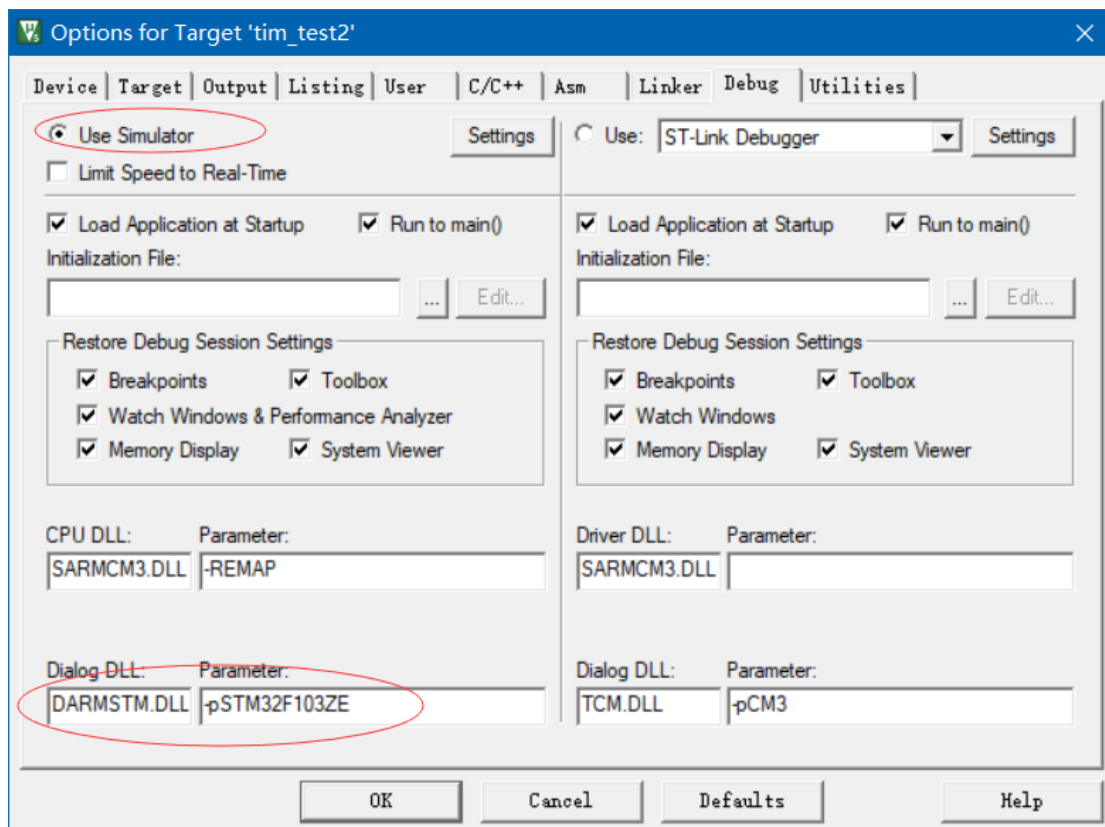
main 代码添加

```
/* USER CODE BEGIN 2 */
HAL_TIM_PWM_Start(&htim3, TIM_CHANNEL_1);
HAL_TIM_PWM_Start(&htim3, TIM_CHANNEL_2);
HAL_TIM_PWM_Start(&htim3, TIM_CHANNEL_3);
HAL_TIM_PWM_Start(&htim3, TIM_CHANNEL_4);

/* USER CODE END 2 */

/* Infinite loop */
/* USER CODE BEGIN WHILE */
while (1)
{
    /* USER CODE END WHILE */
}
```

mdk5 debug 配置:



进入 debug

