VC707 BIST Flow

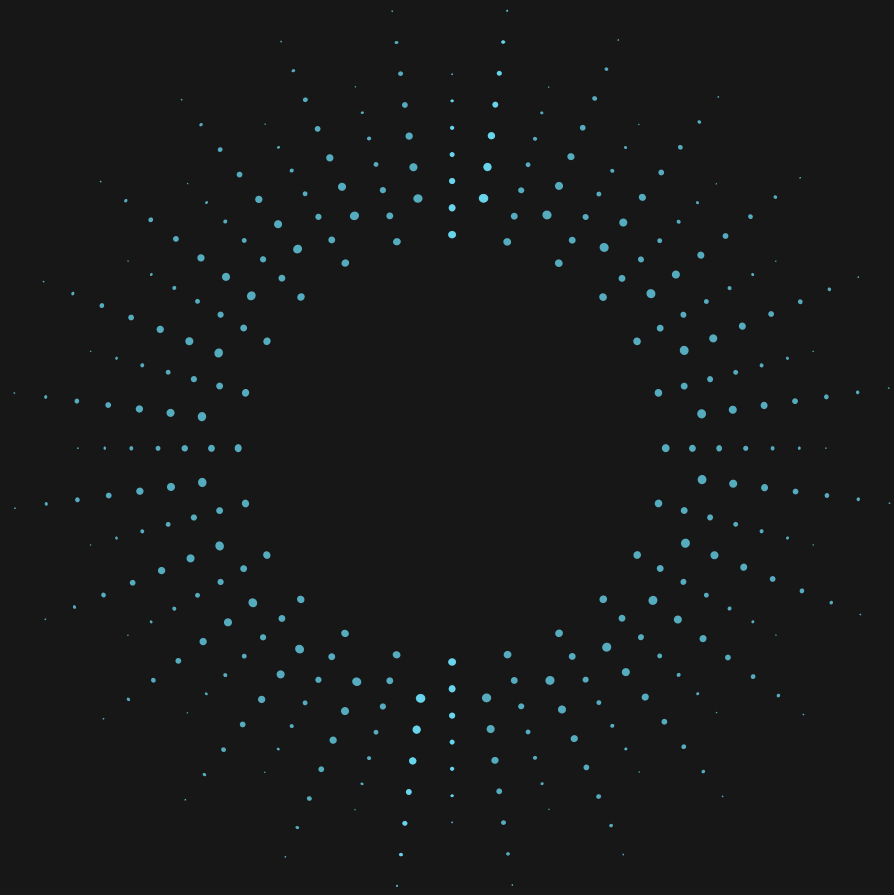
Field Application Engineer
Adaptive and Embedded Computing Group (AECG)

AMD
together we advance_

Revision History

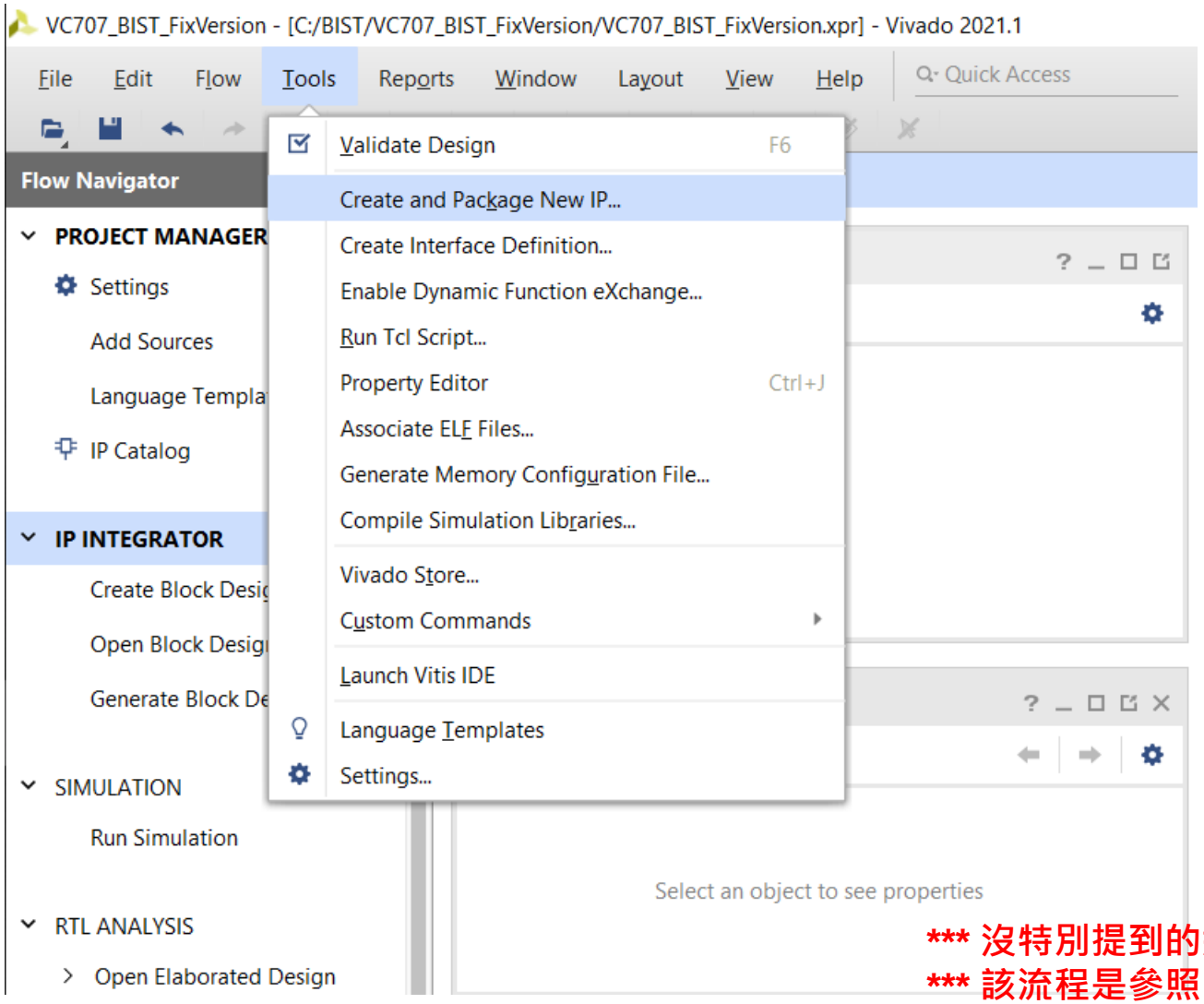
Date	Version	Description
10/25/23	1.0	Initial version for flow introduction.

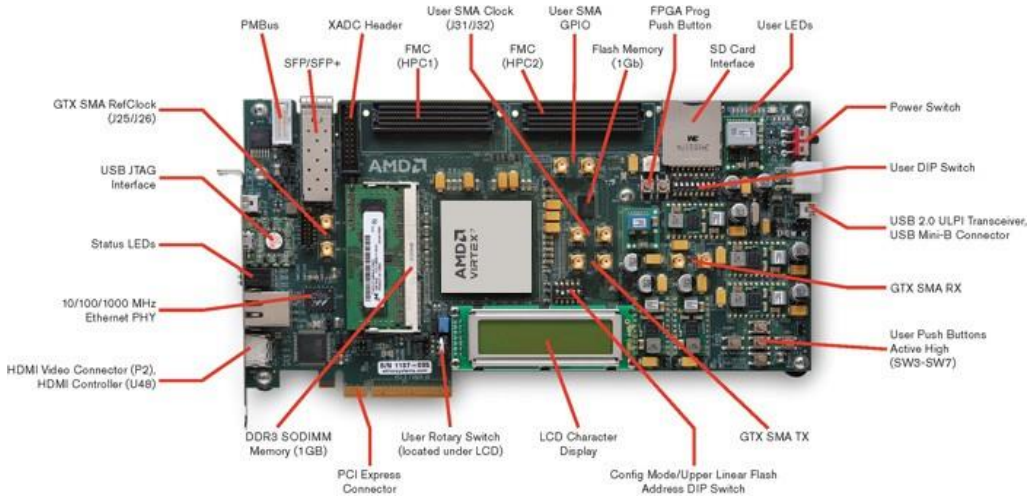
Vivado 2021.1 Part



VC707 BIST Flow

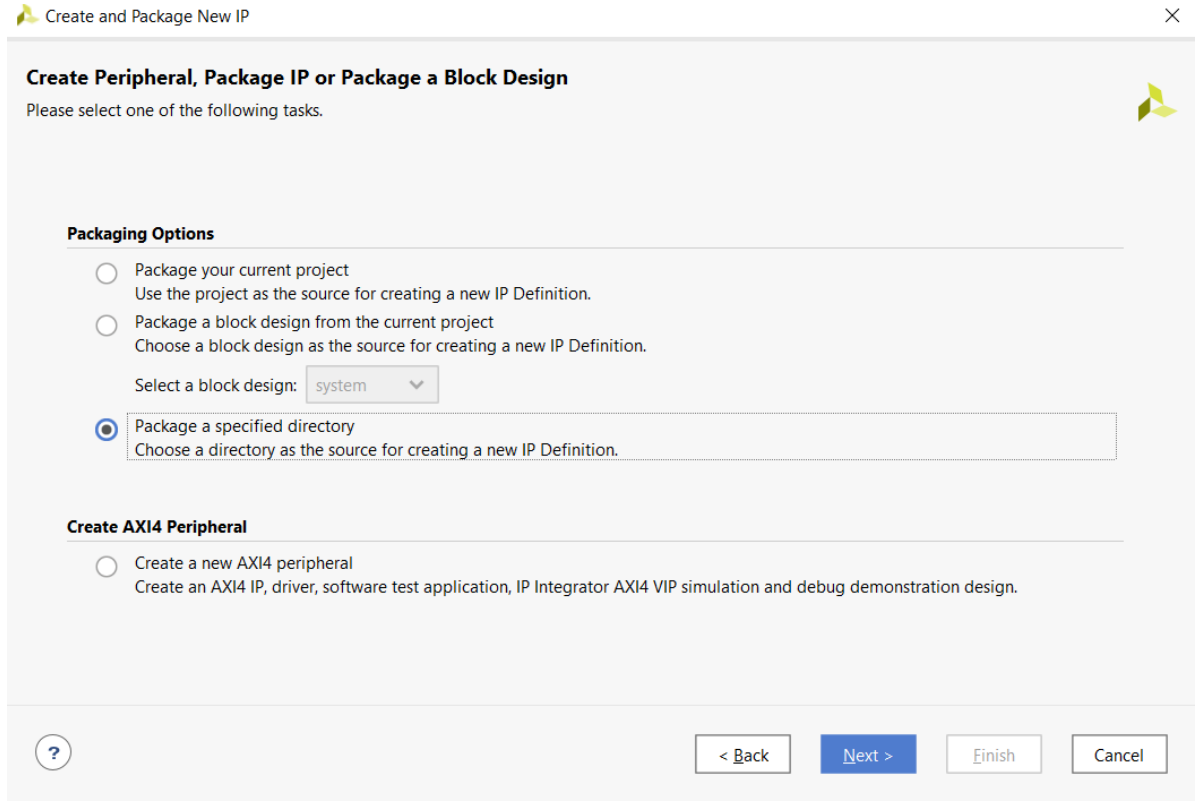
vc707_bist.zip

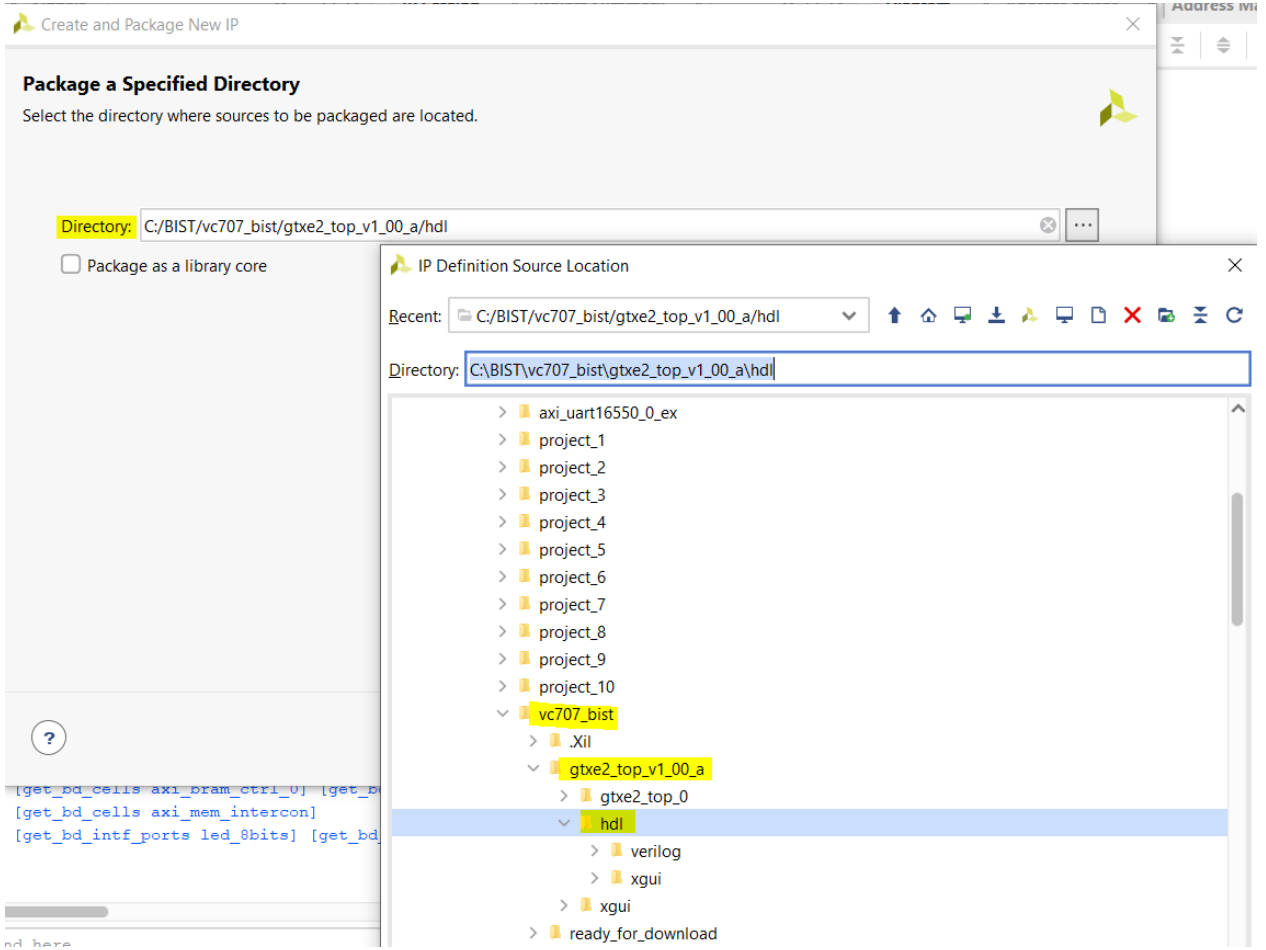


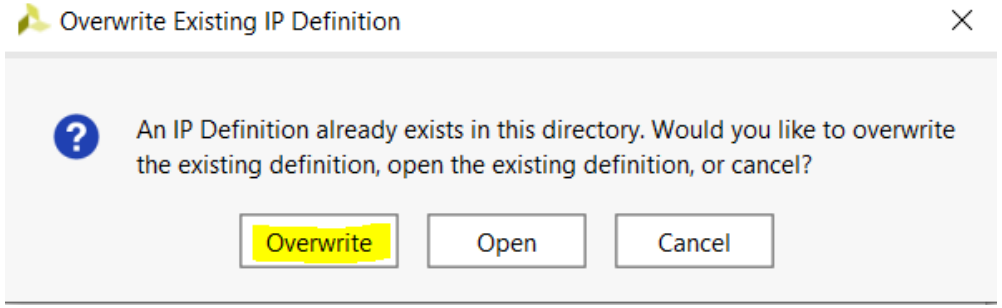


*** 沒特別提到的選項就是按 OK 或是 Next, Finish 之類的一直按下去
*** 該流程是參照 Vivado 2014.1 移植到 2021.1，若有其他版本請自己移植

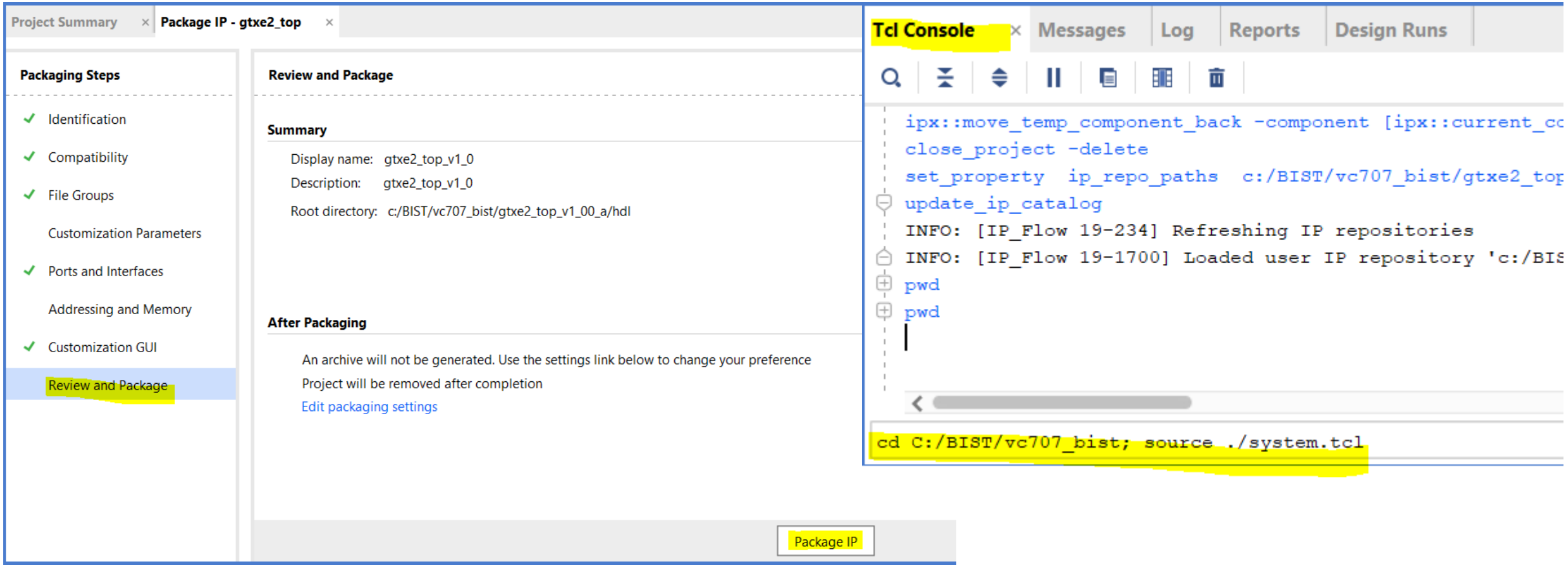
VC707 BIST Flow





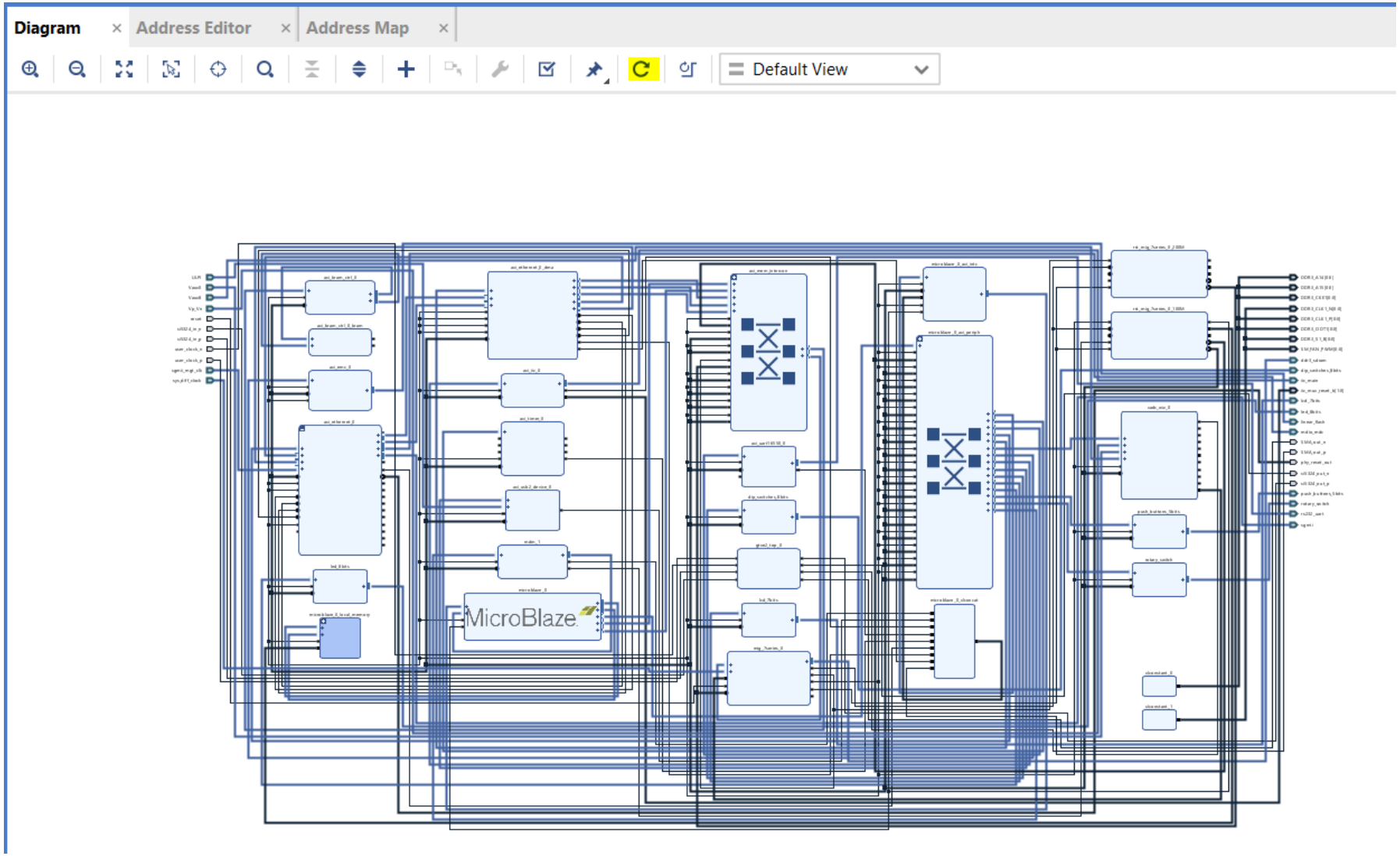


VC707 BIST Flow

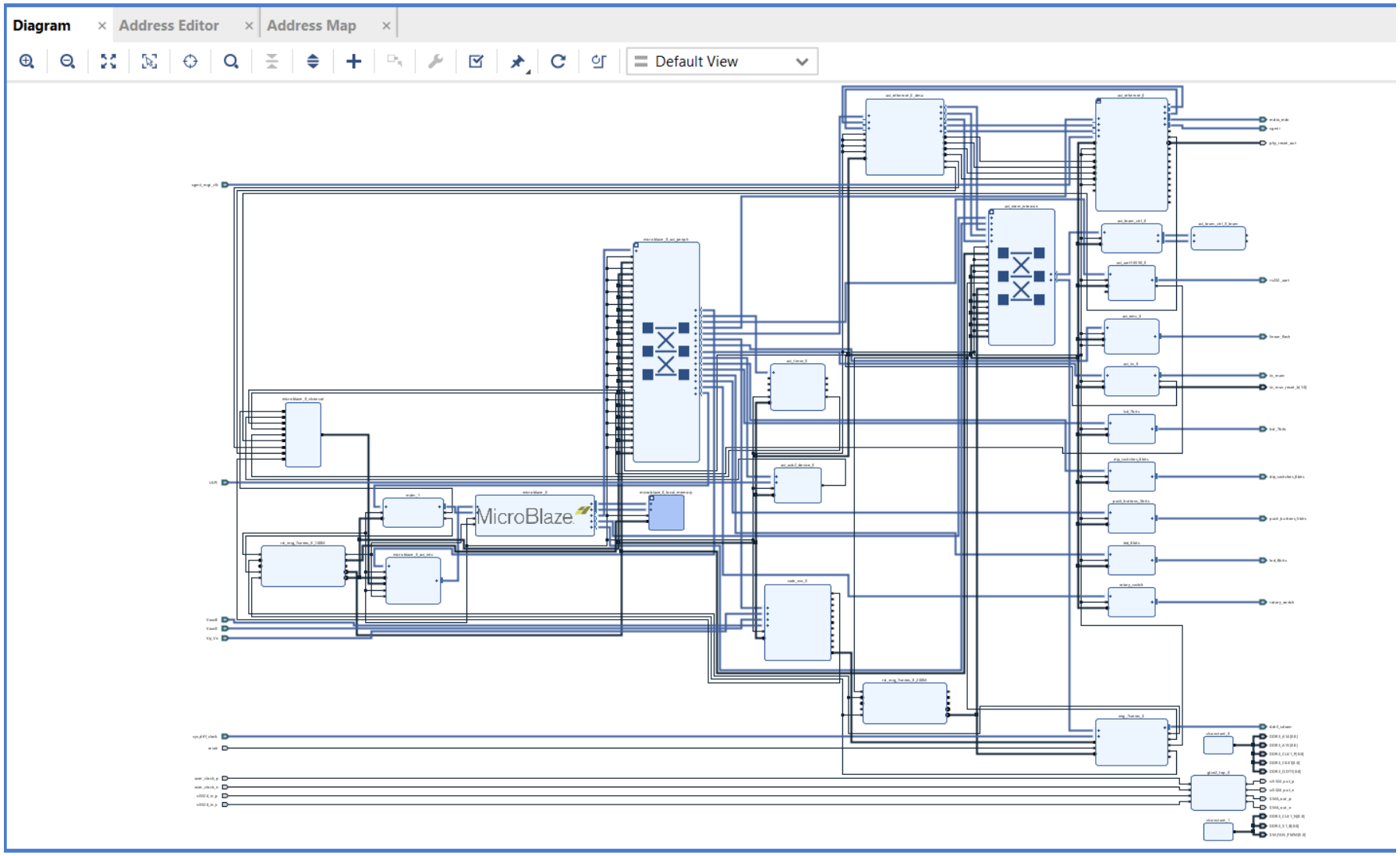


Wait a minute…

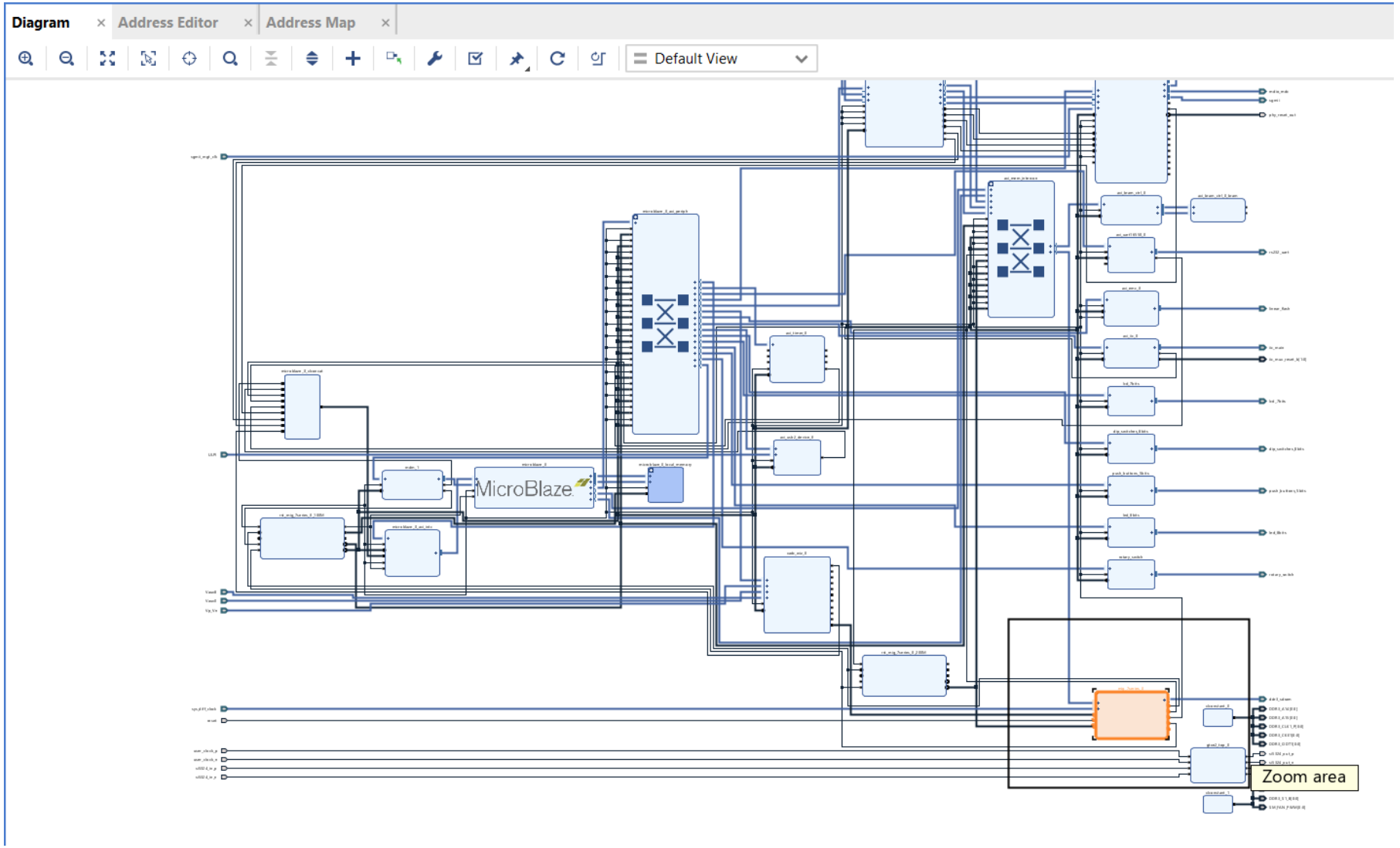
VC707 BIST Flow



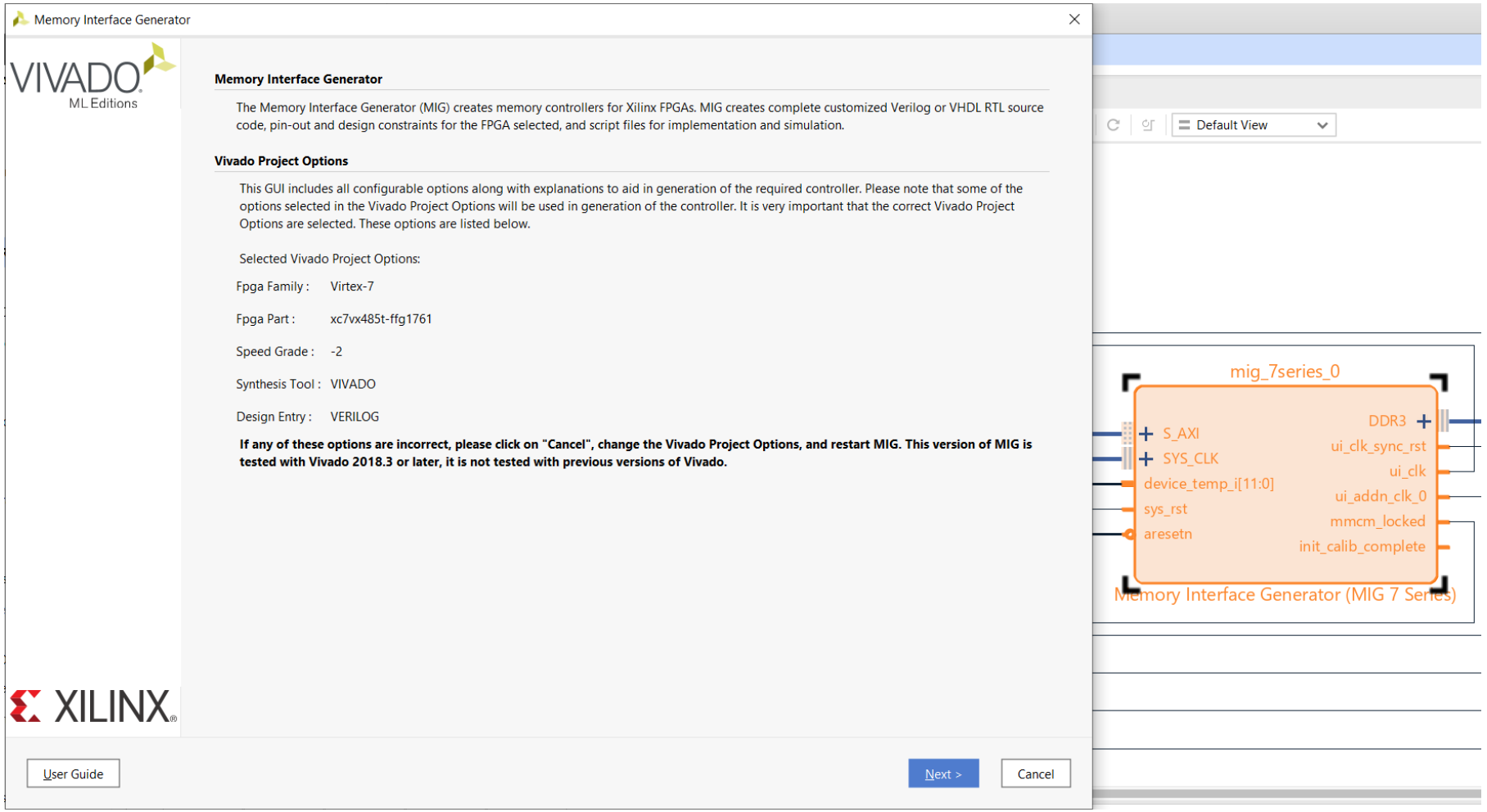
VC707 BIST Flow



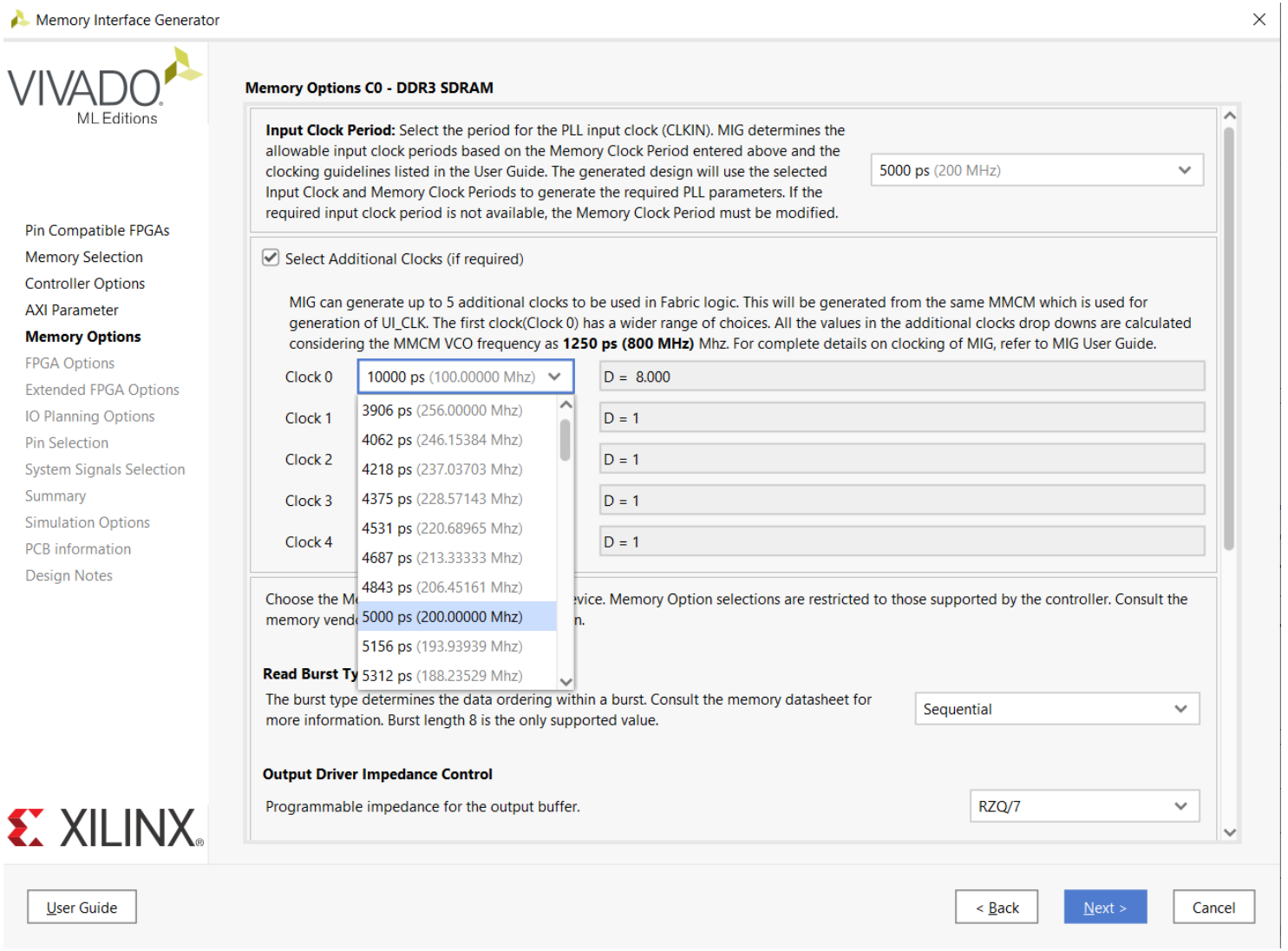
VC707 BIST Flow



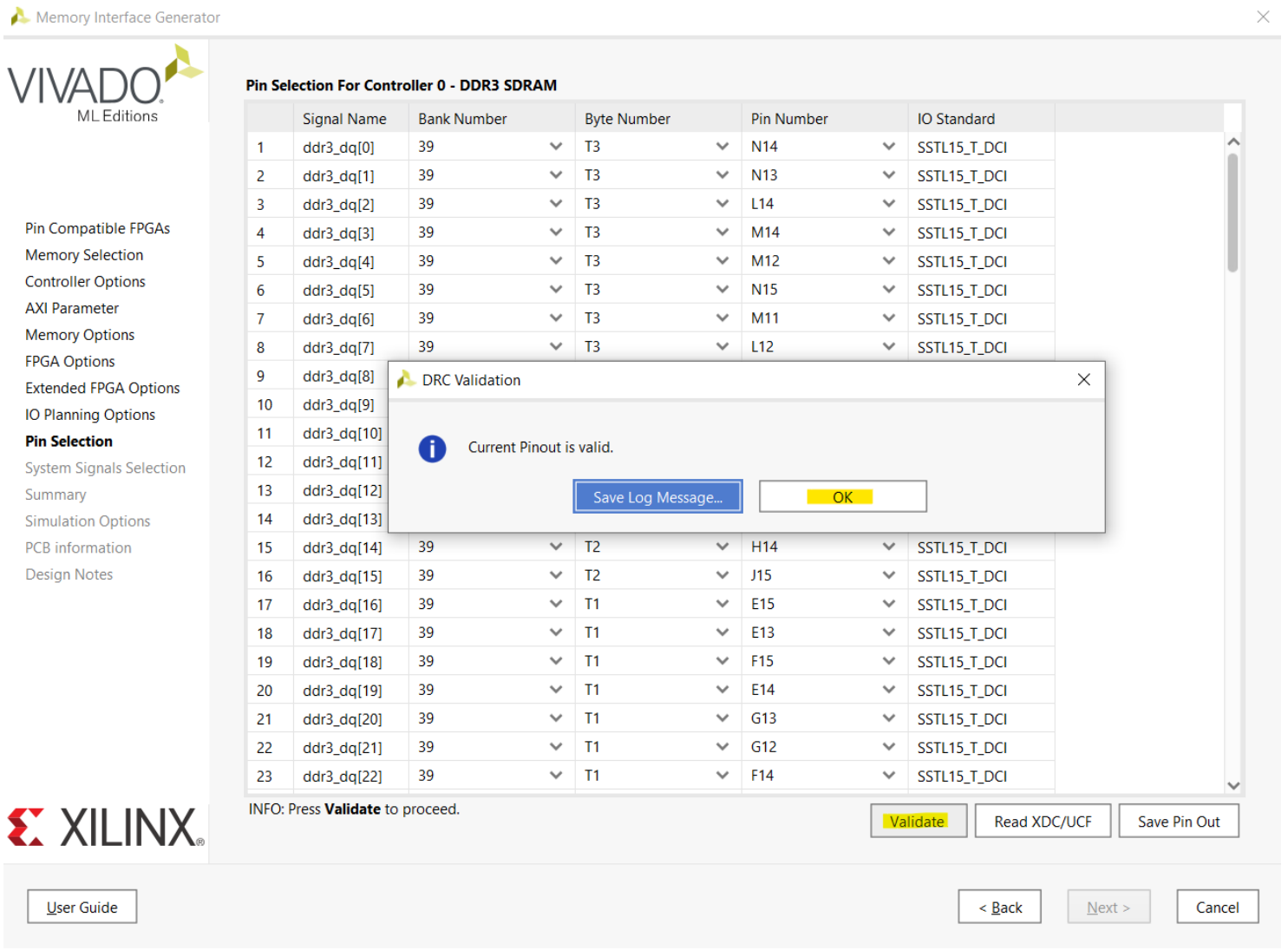
VC707 BIST Flow



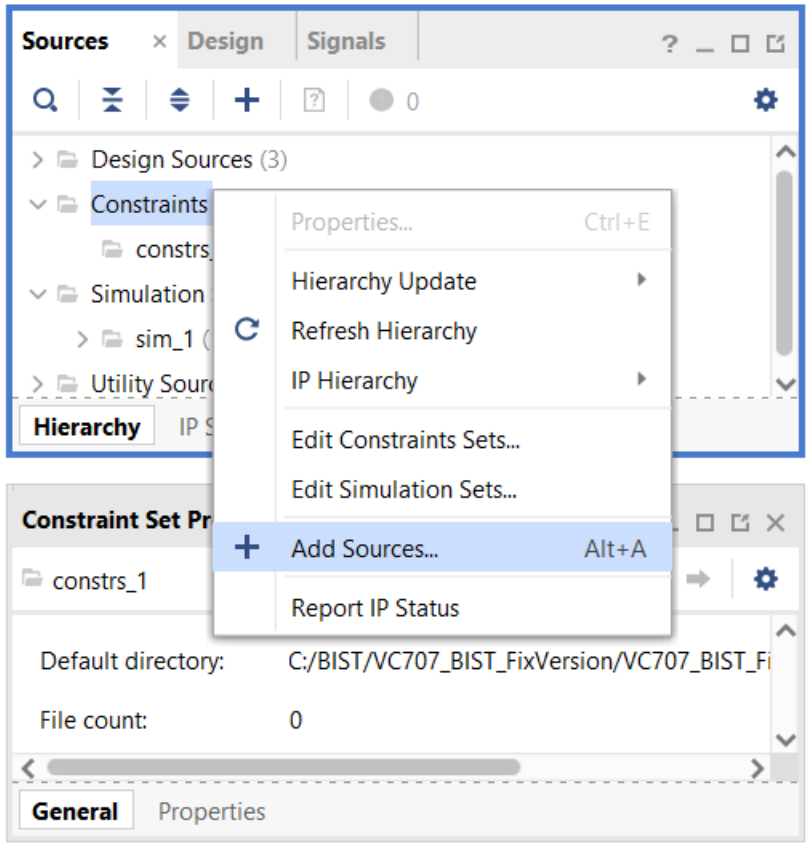
VC707 BIST Flow

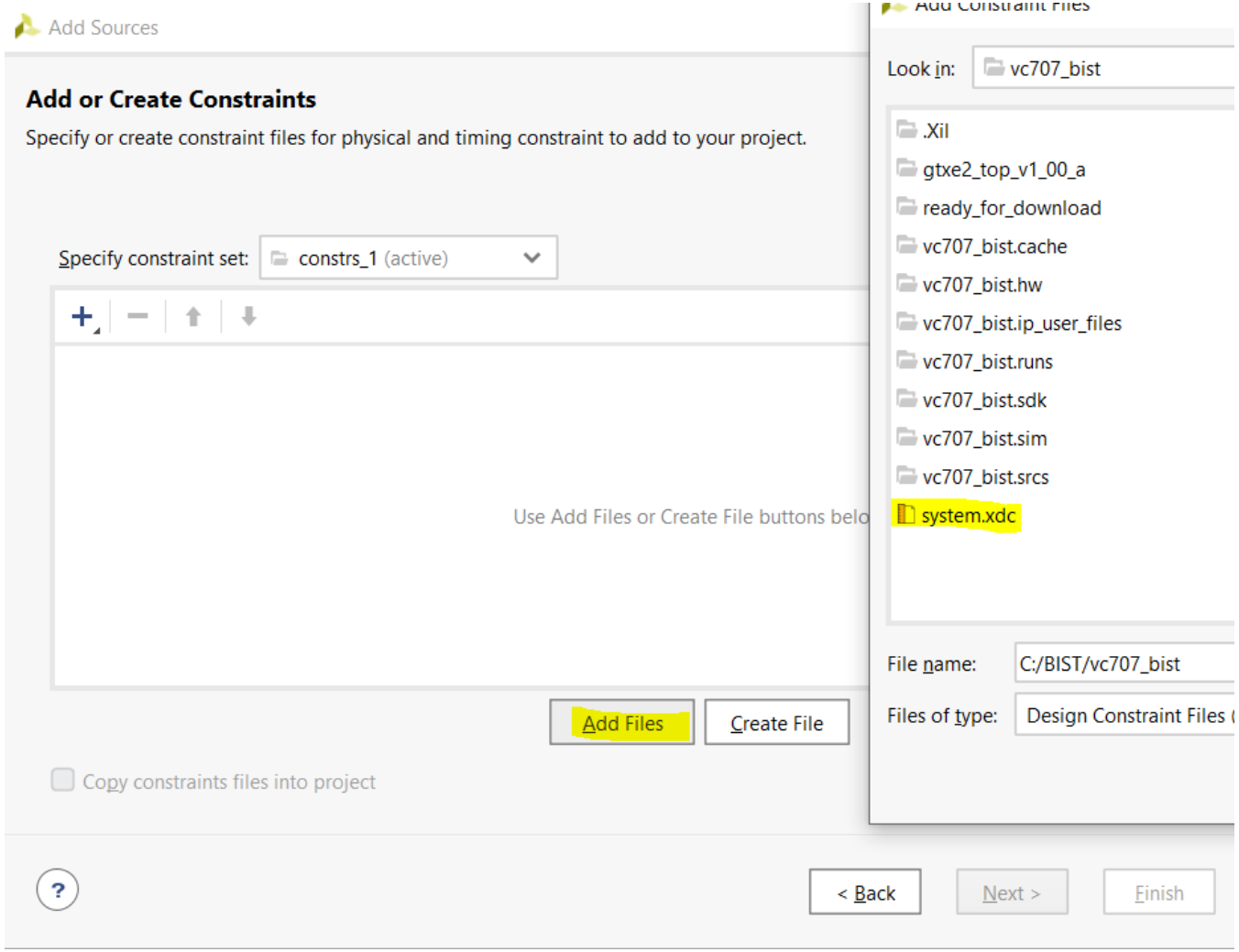


VC707 BIST Flow

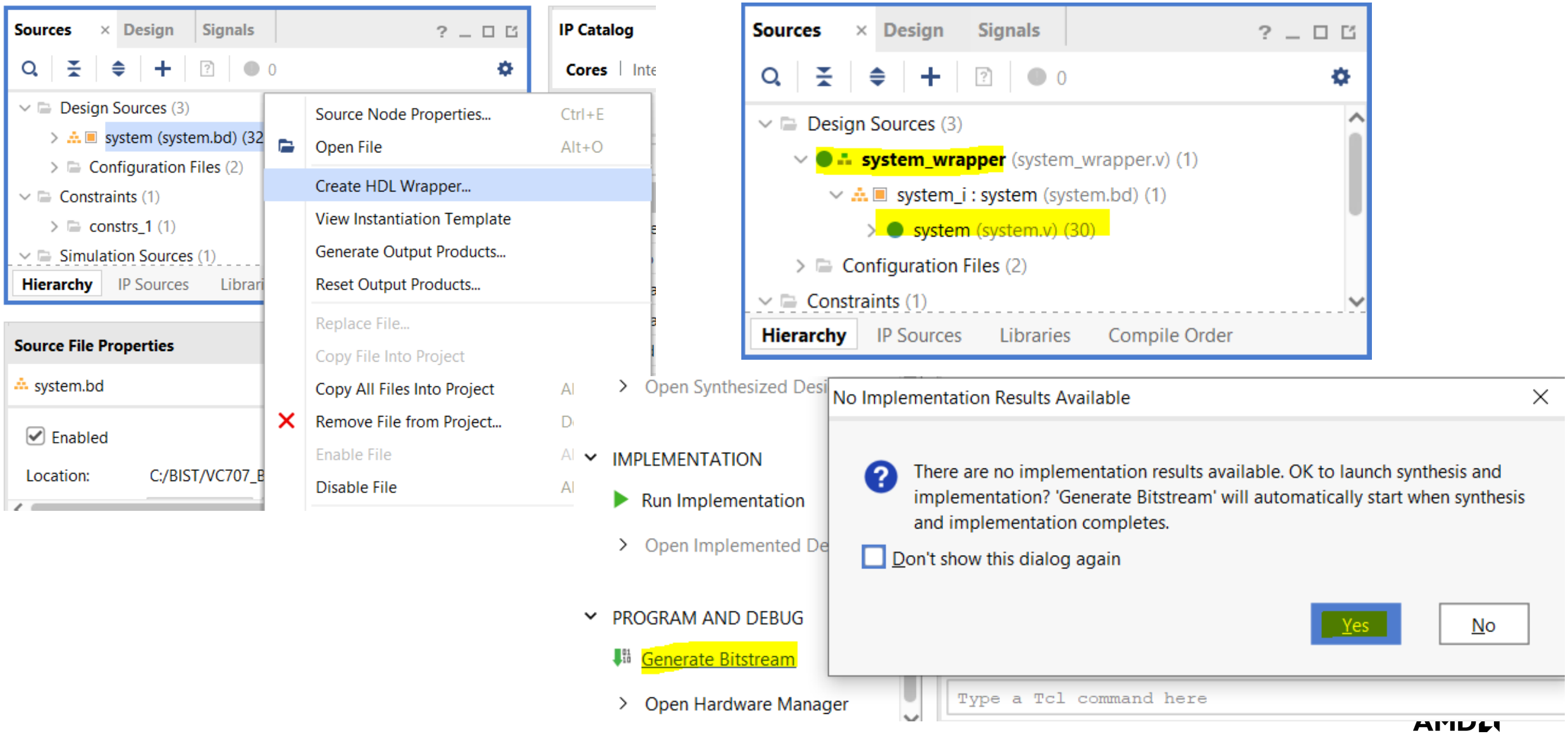


VC707 BIST Flow



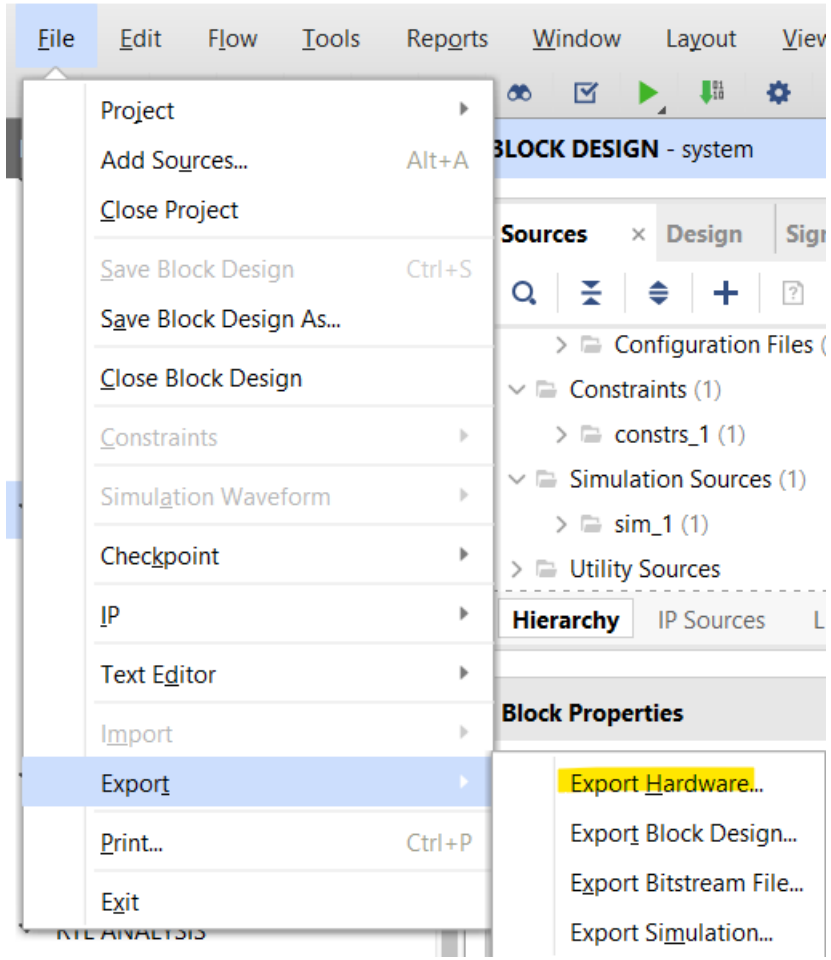


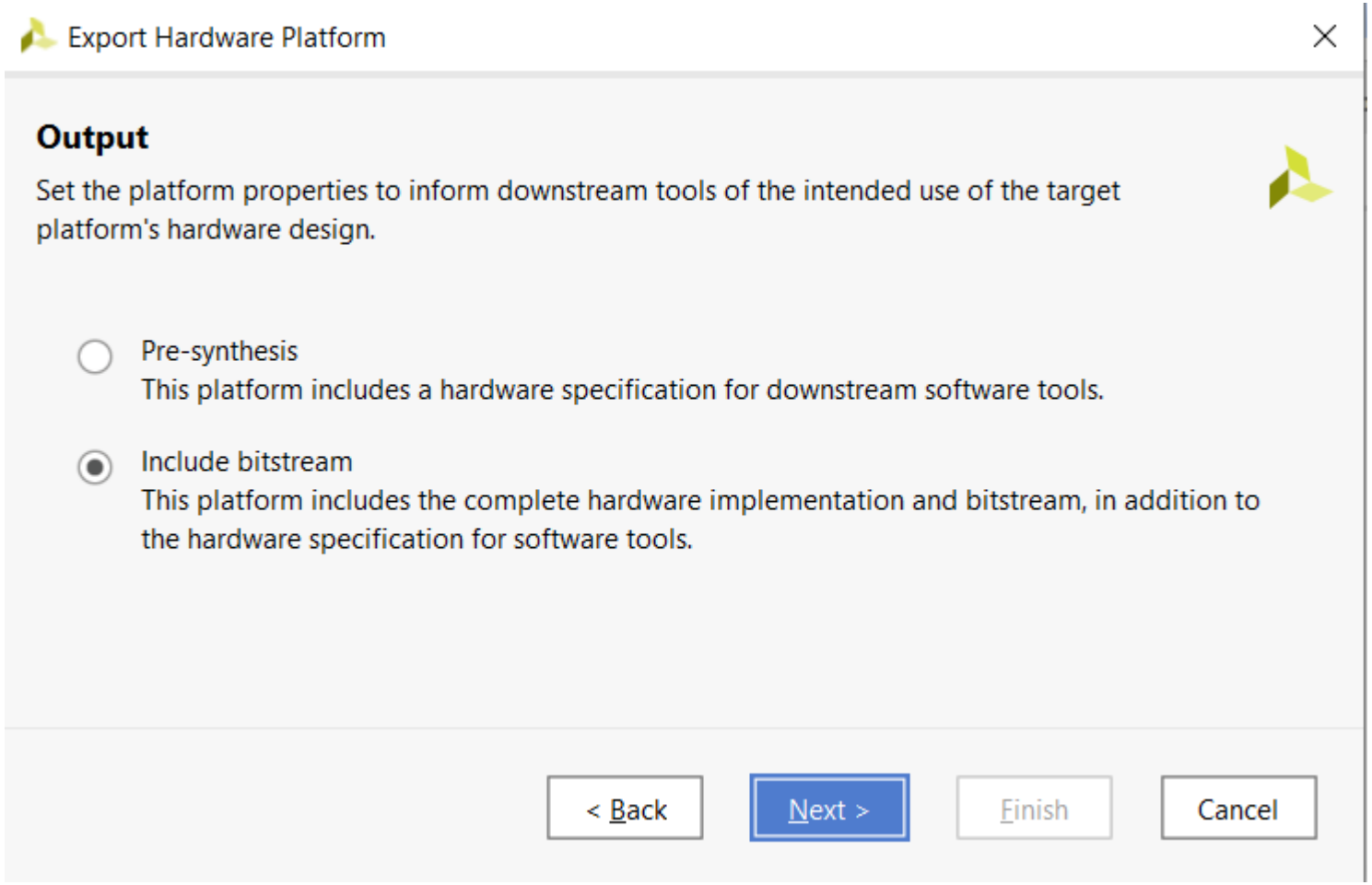
VC707 BIST Flow



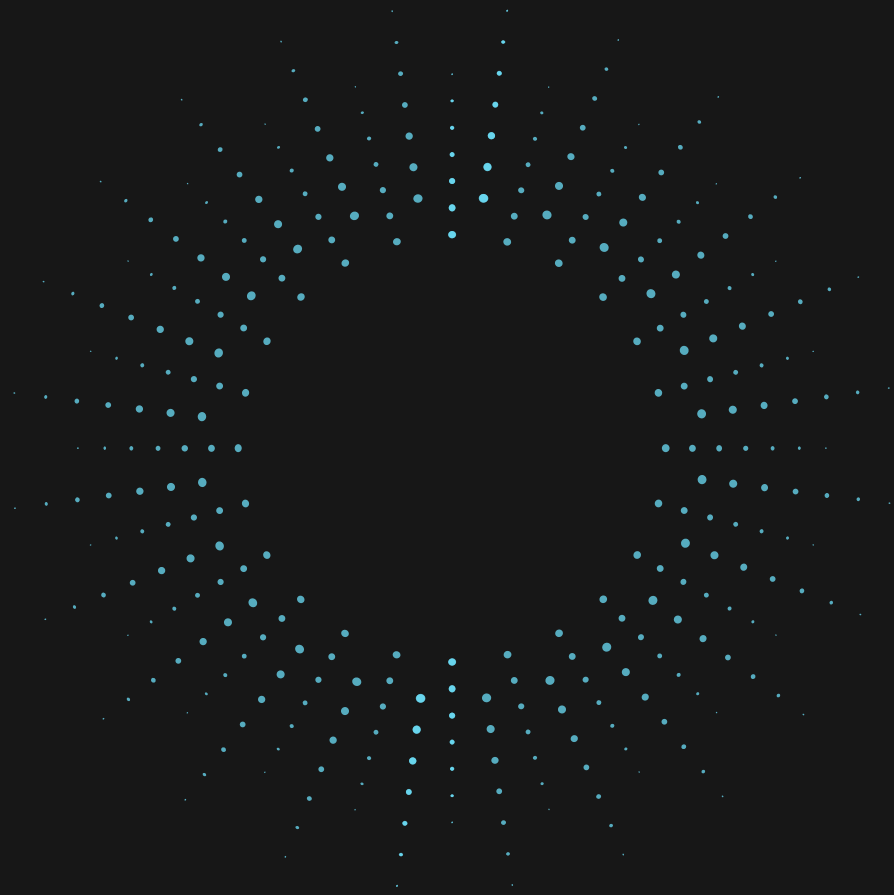

THIRTY-SEVEN
MINUTES
LATER...

VC707 BIST Flow

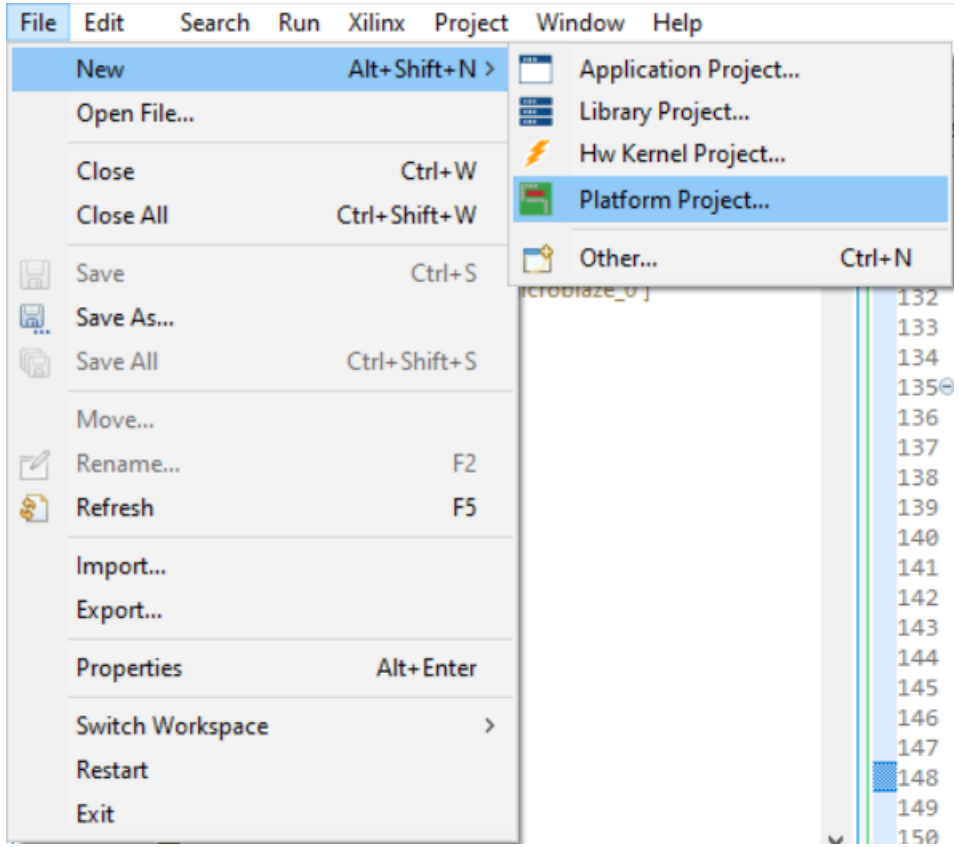


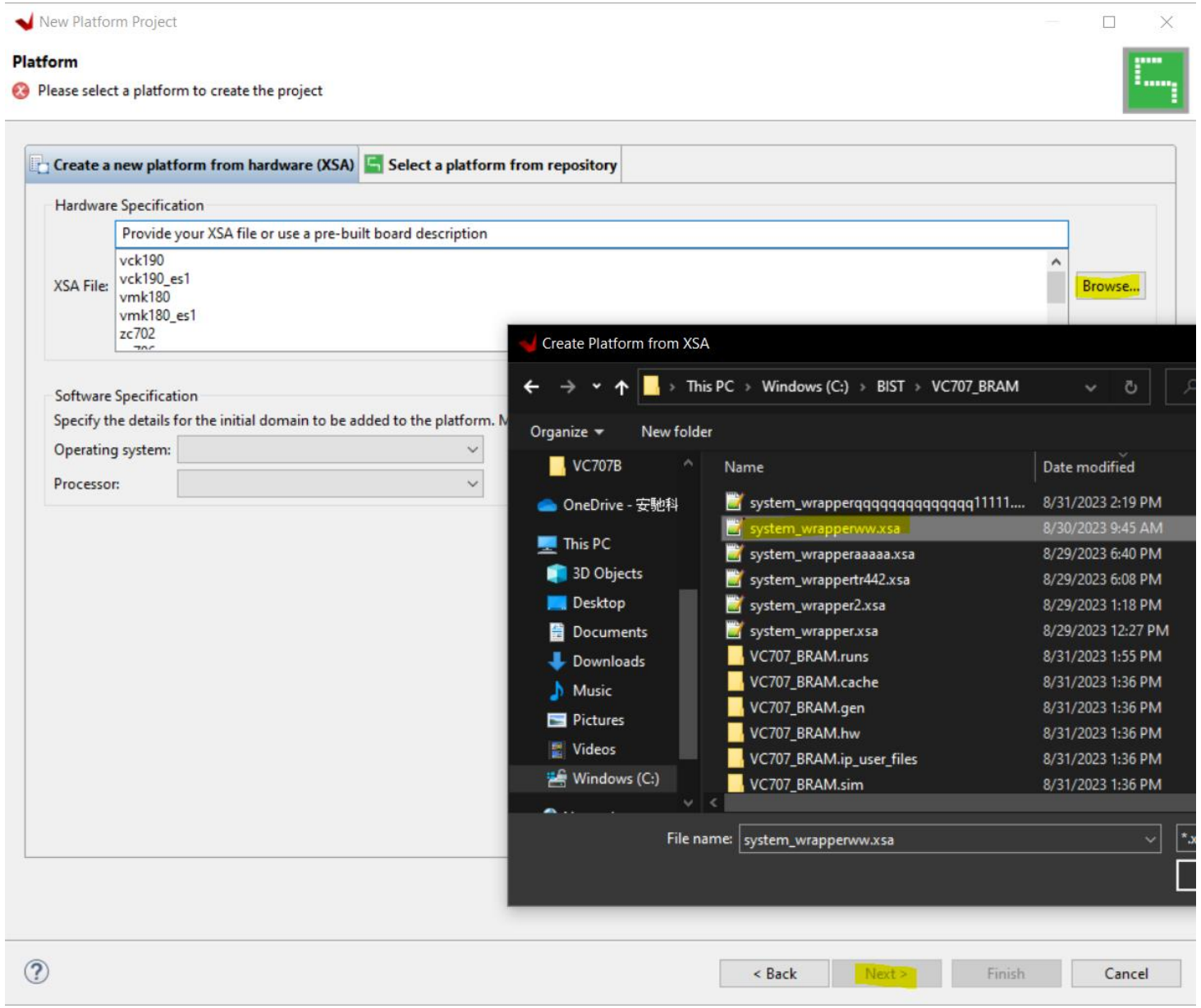


Vitis 2021.1 Part



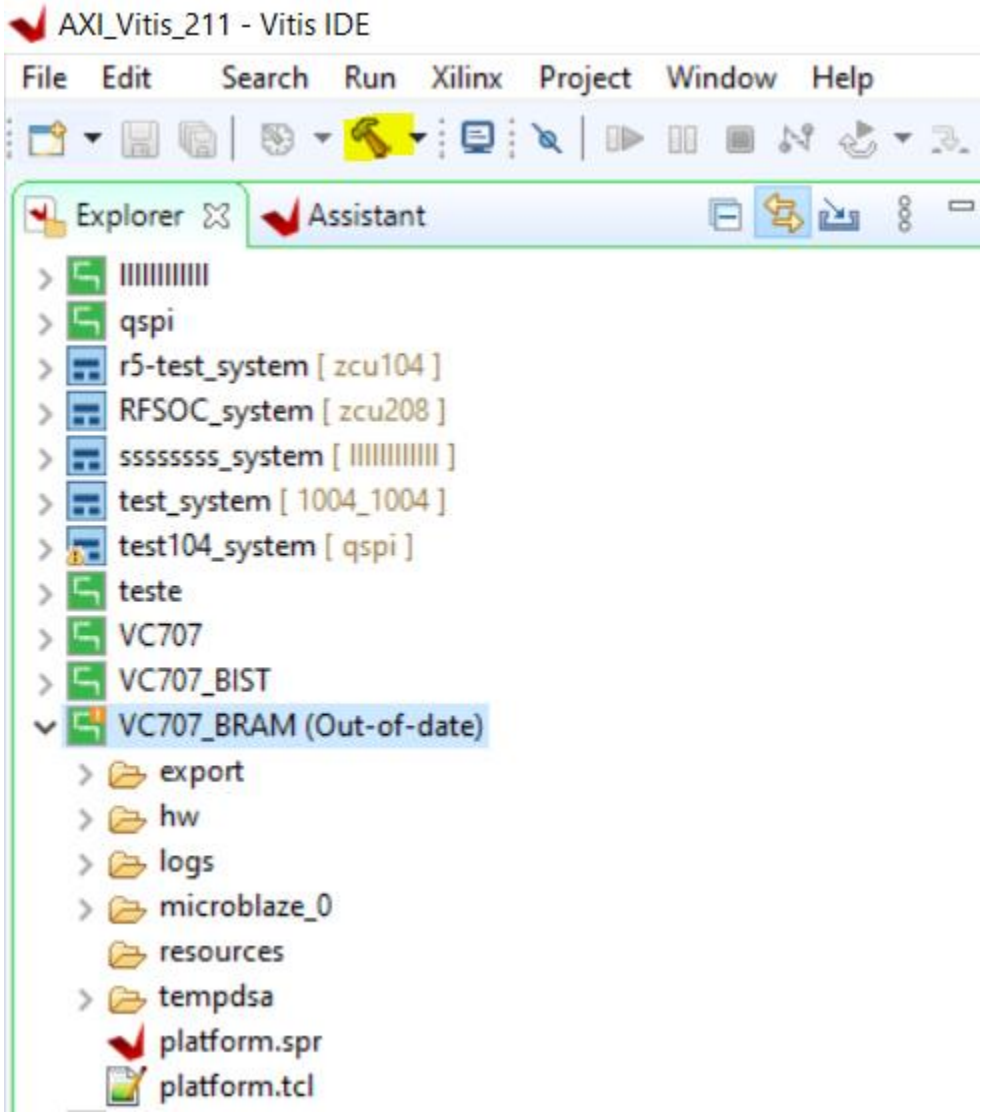
VC707 BIST Flow



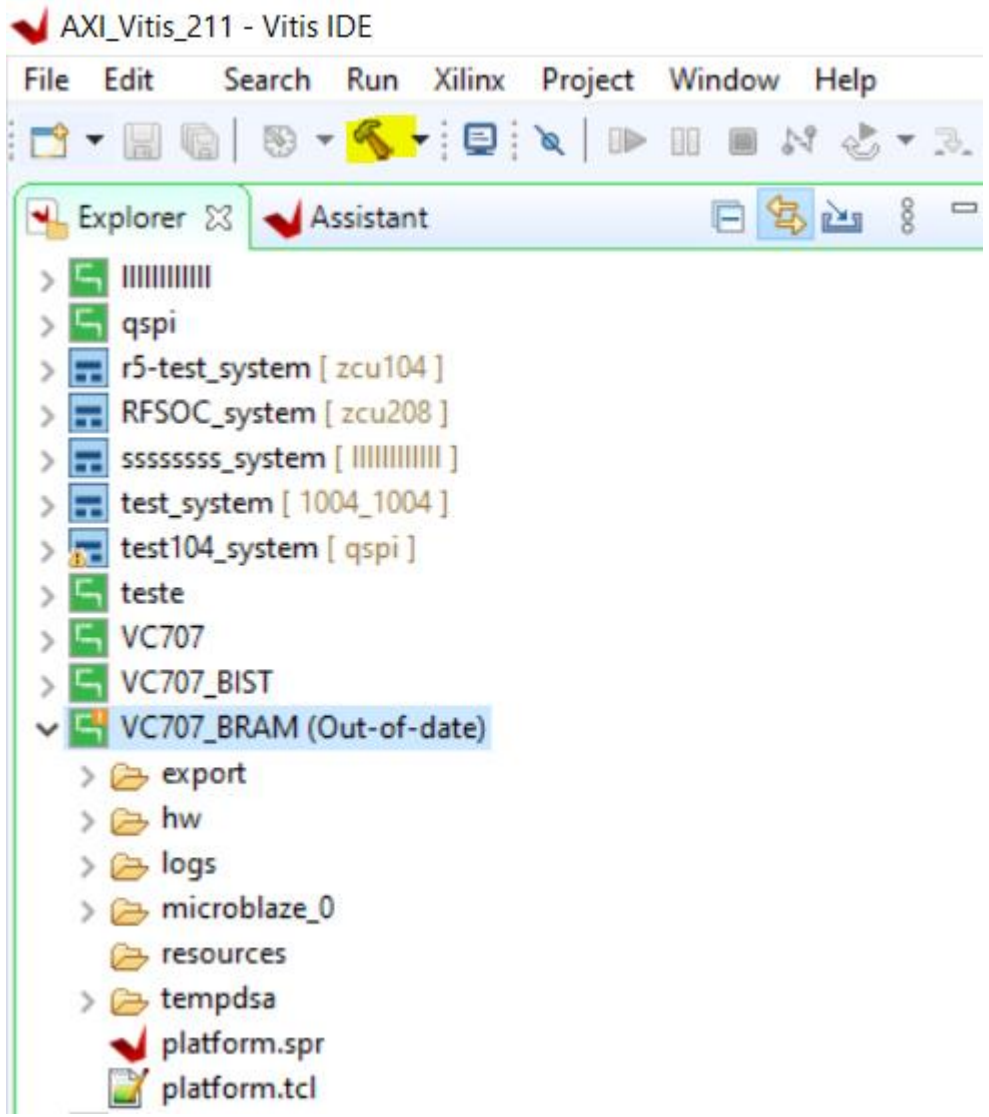


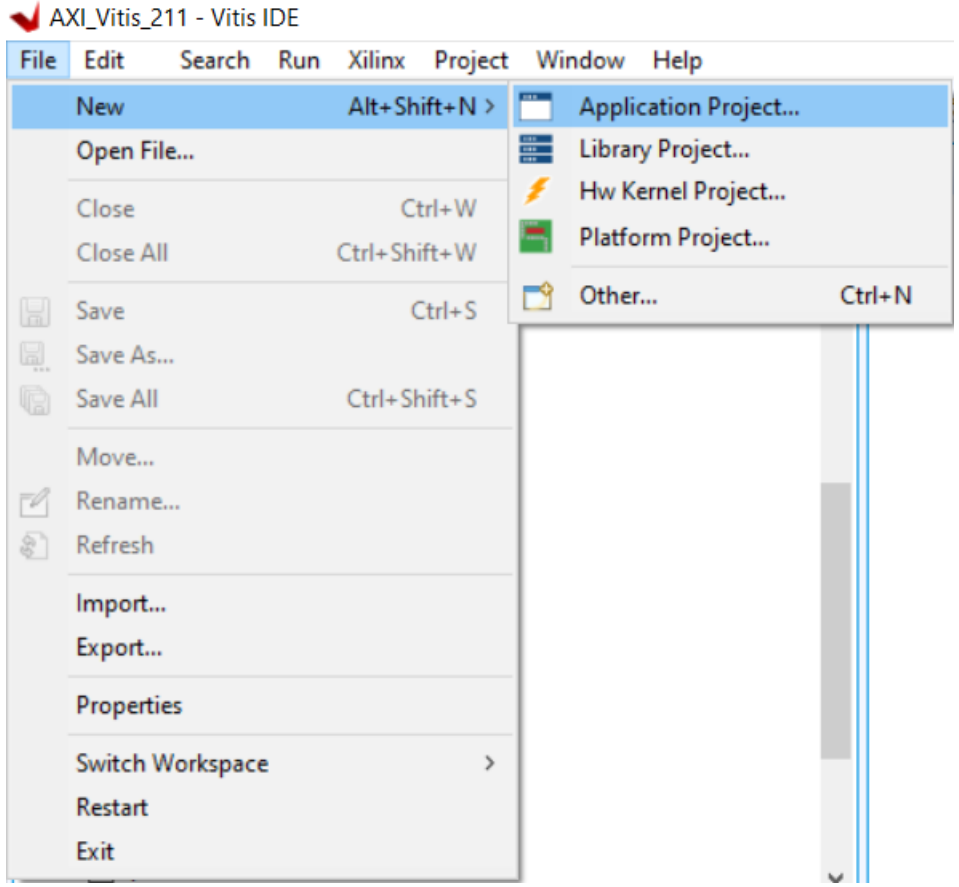
***** 實際檔案請按照自己設定的位置與名稱去開啟**

VC707 BIST Flow

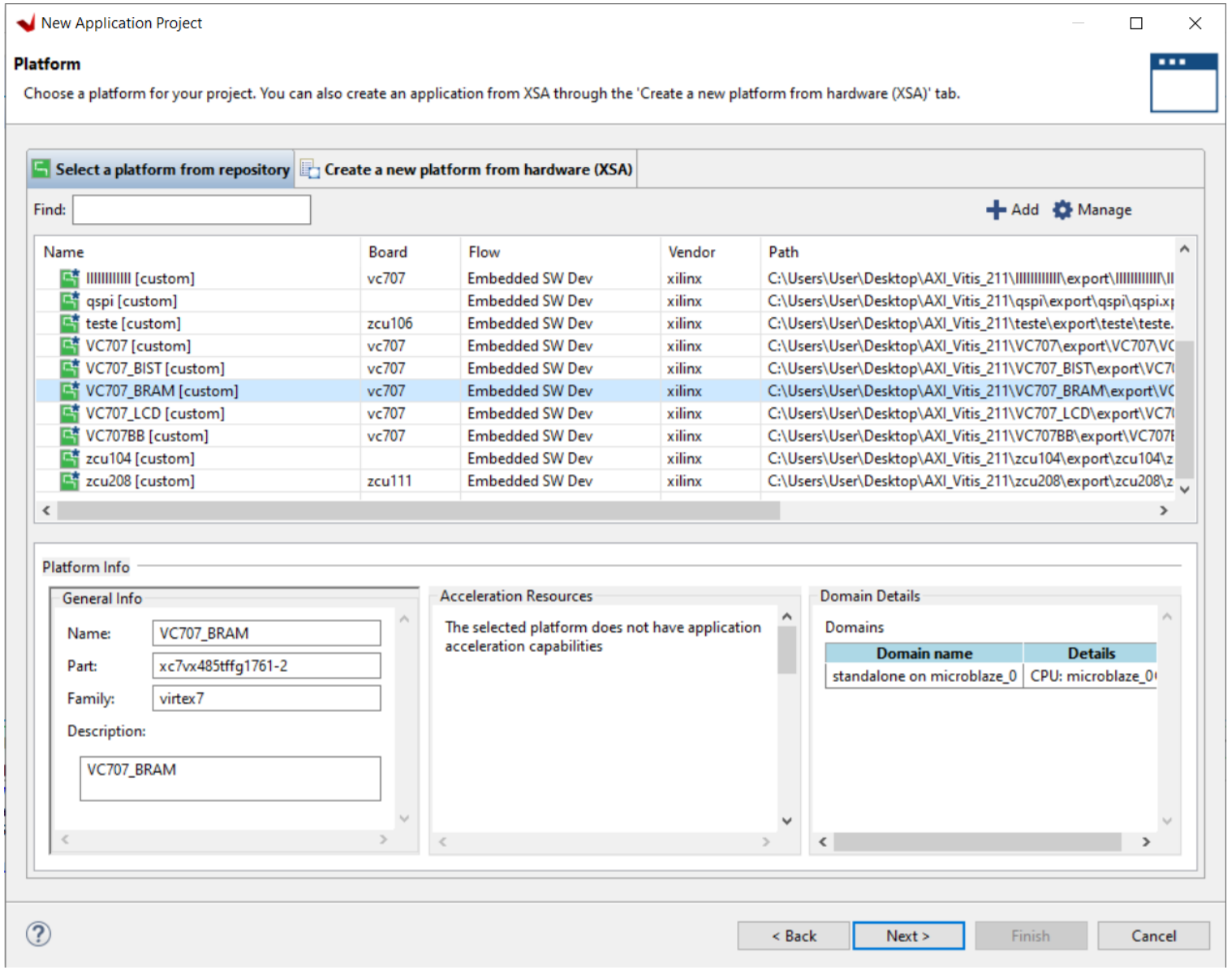


VC707 BIST Flow

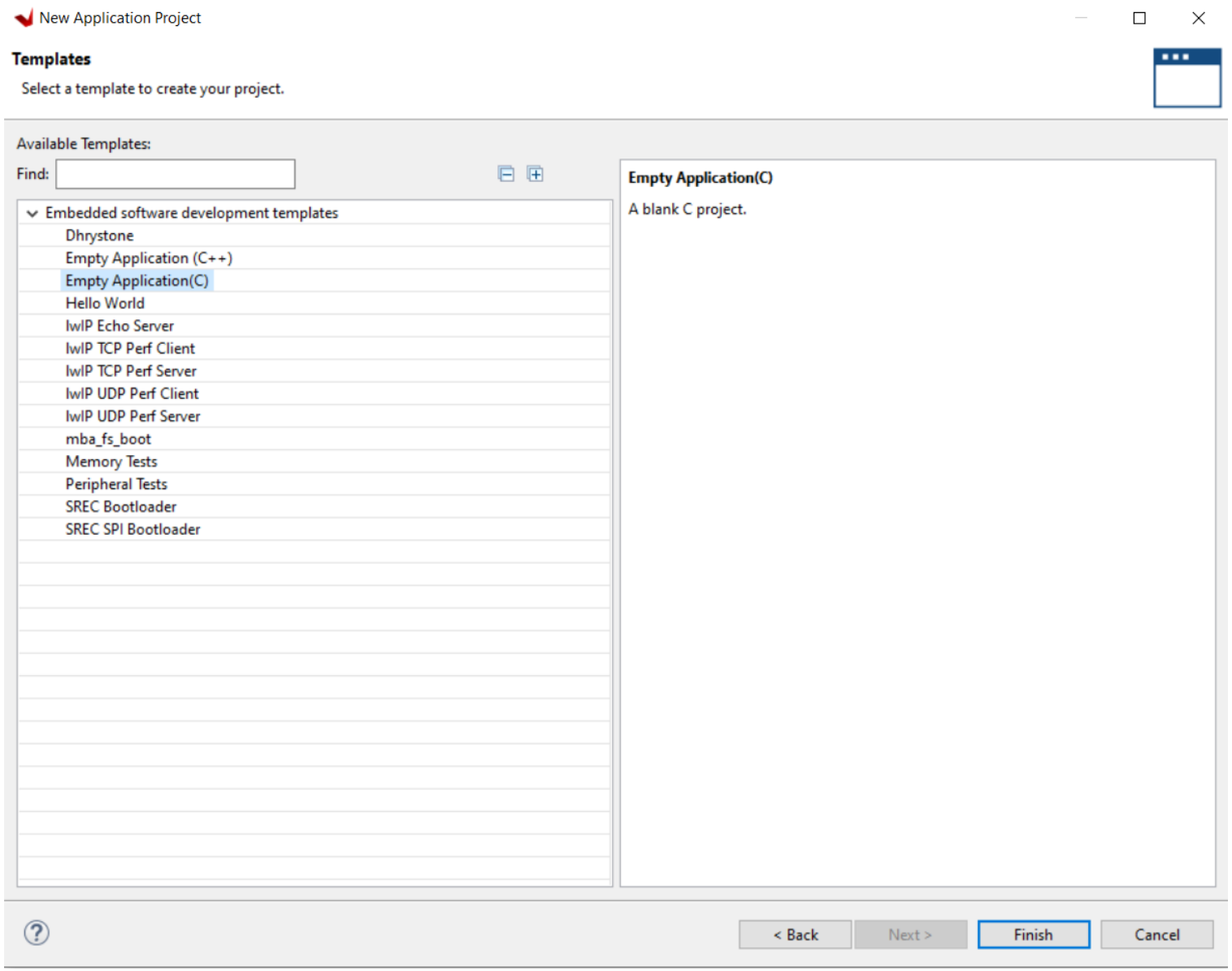




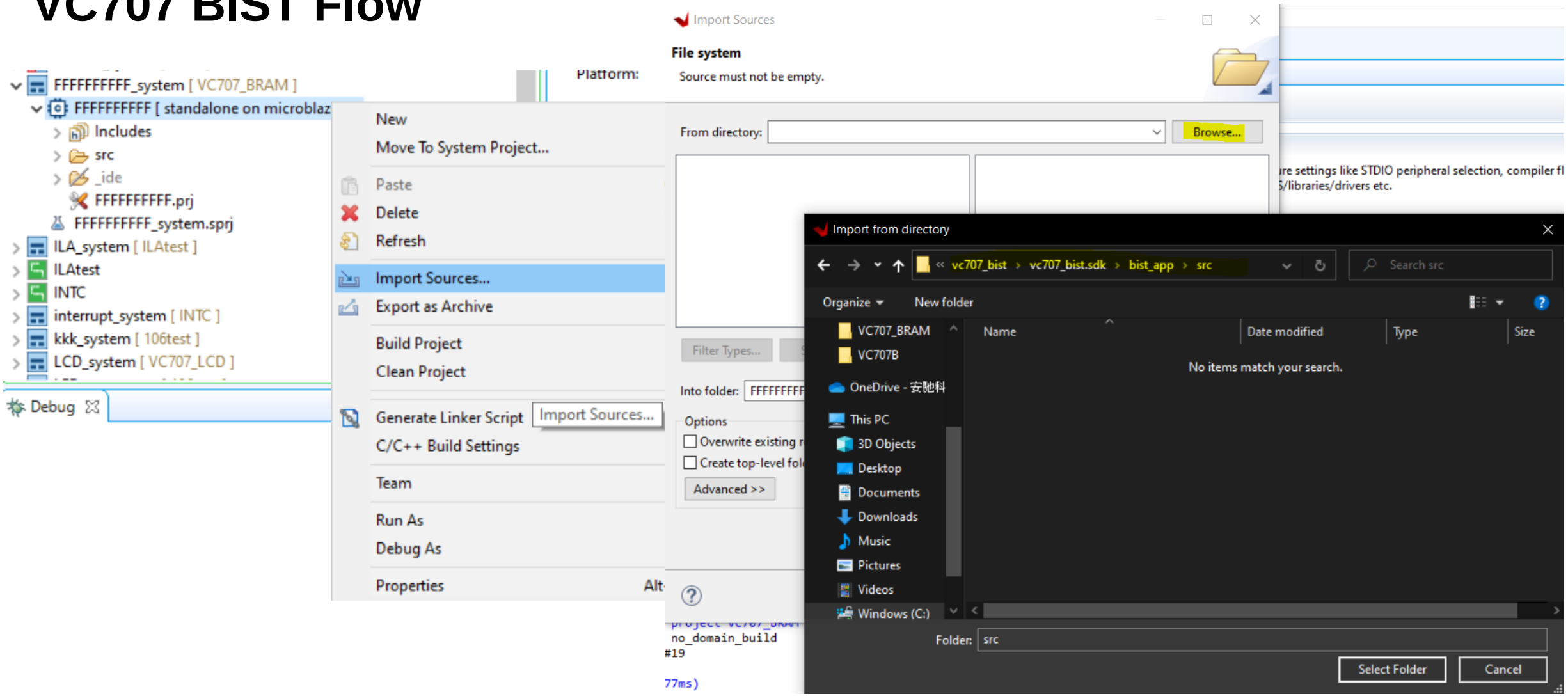
VC707 BIST Flow



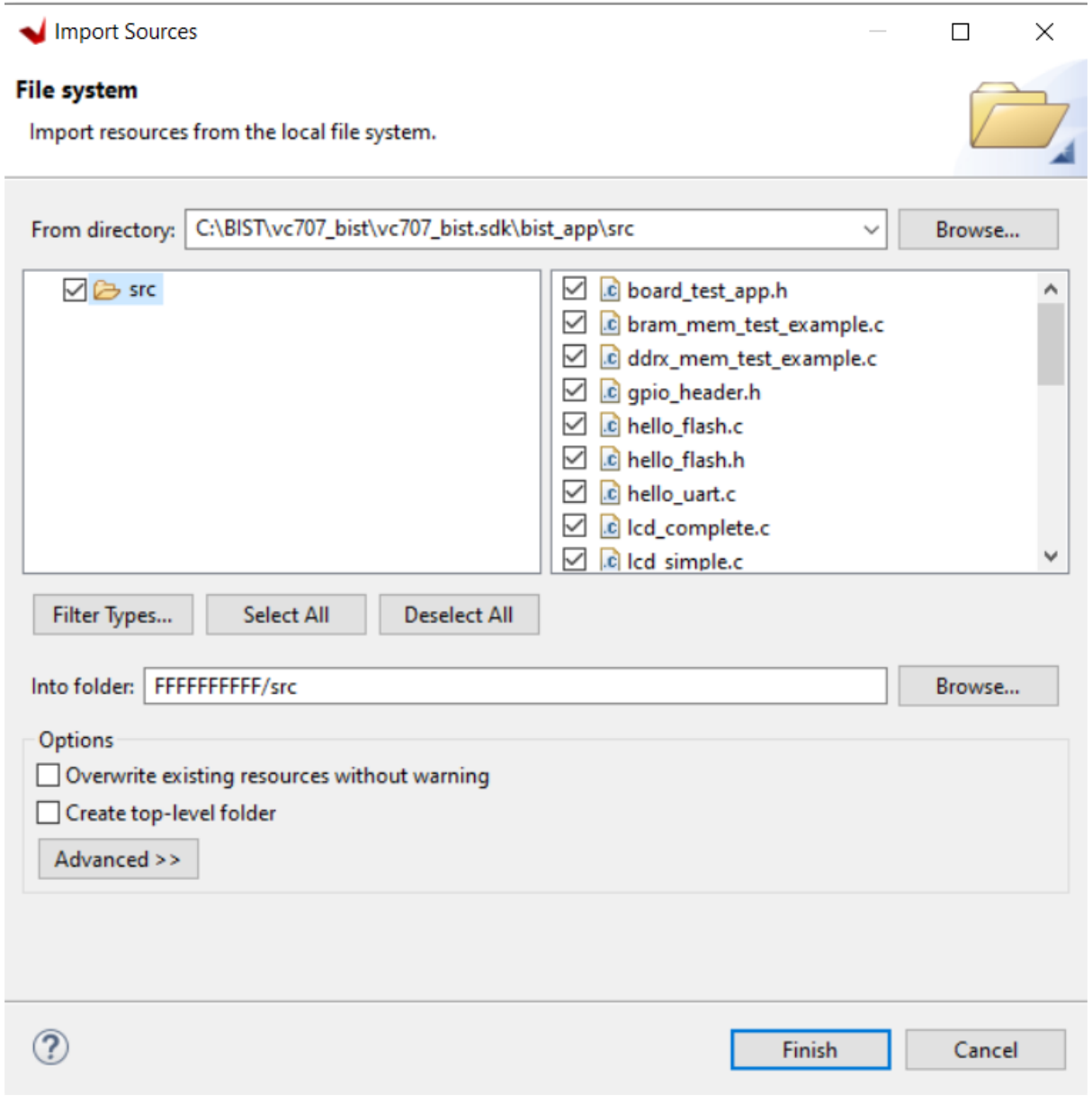
VC707 BIST Flow



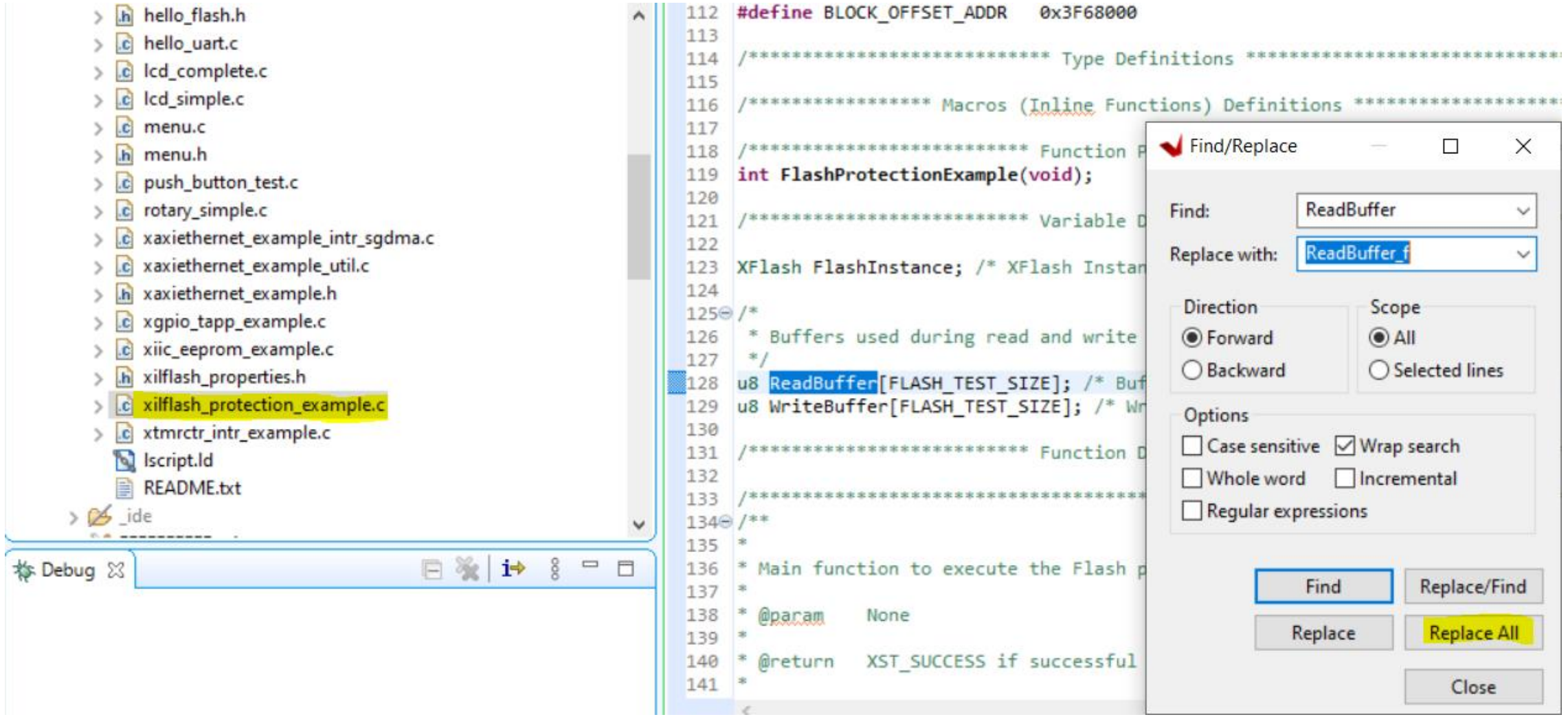
VC707 BIST Flow



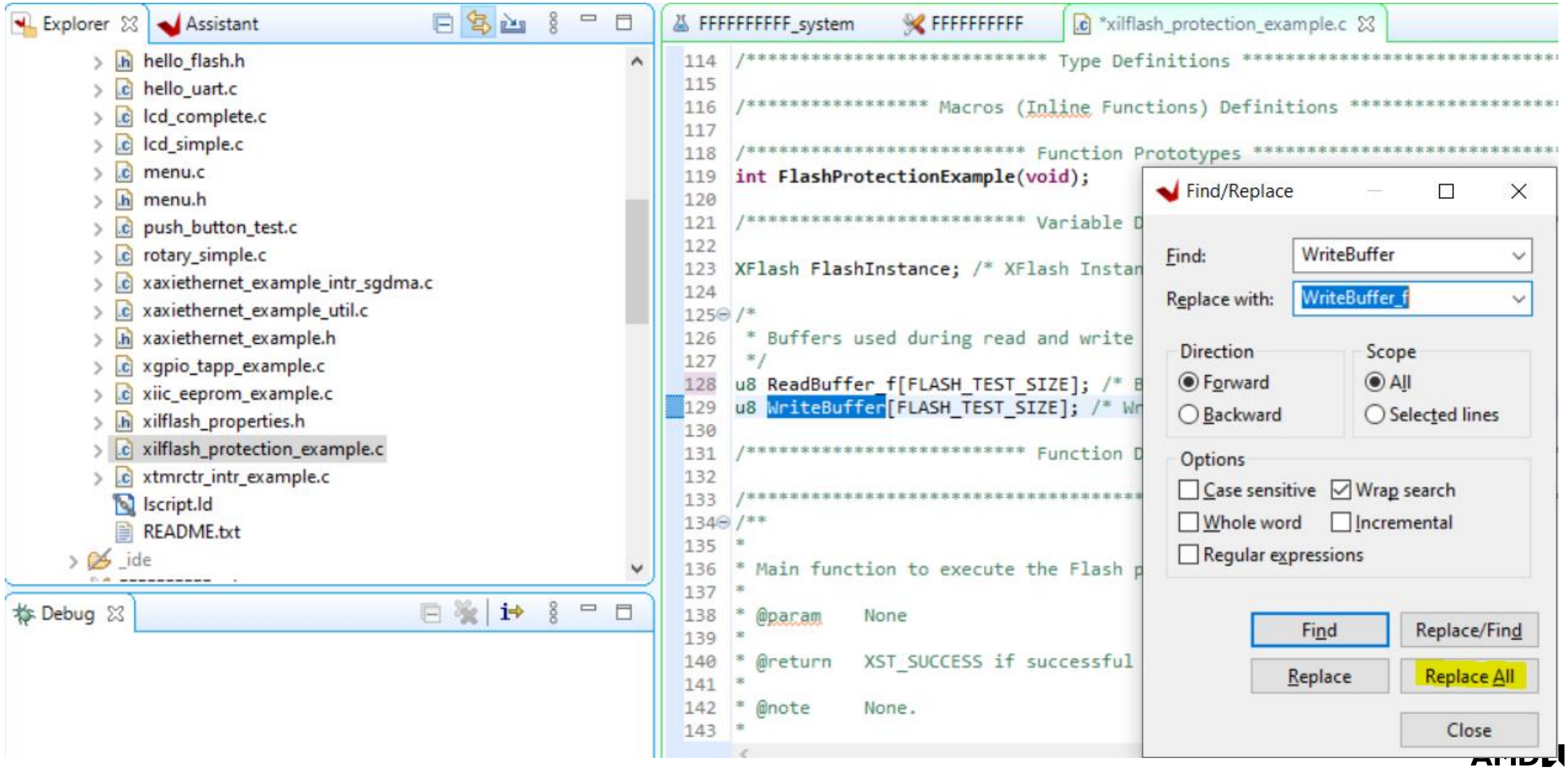
VC707 BIST Flow



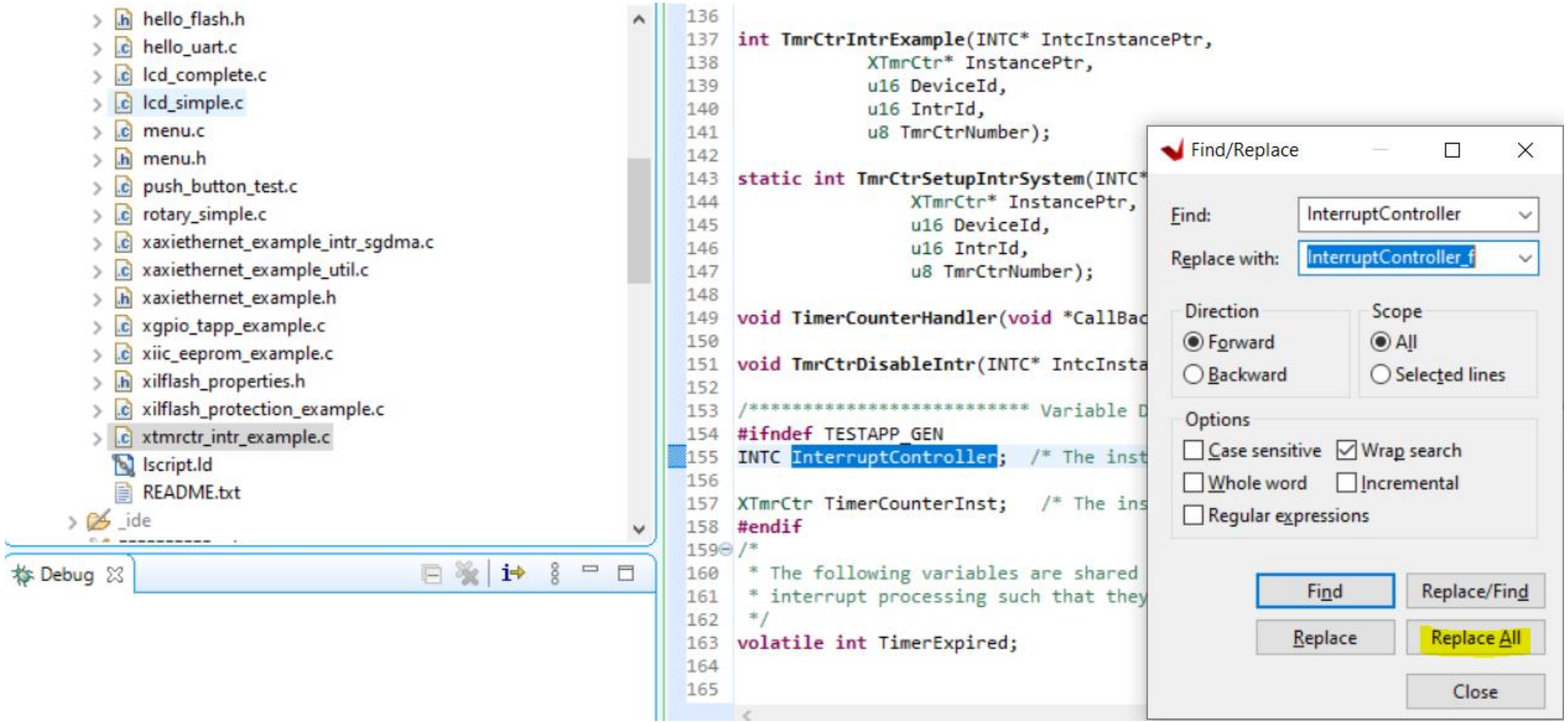
VC707 BIST Flow



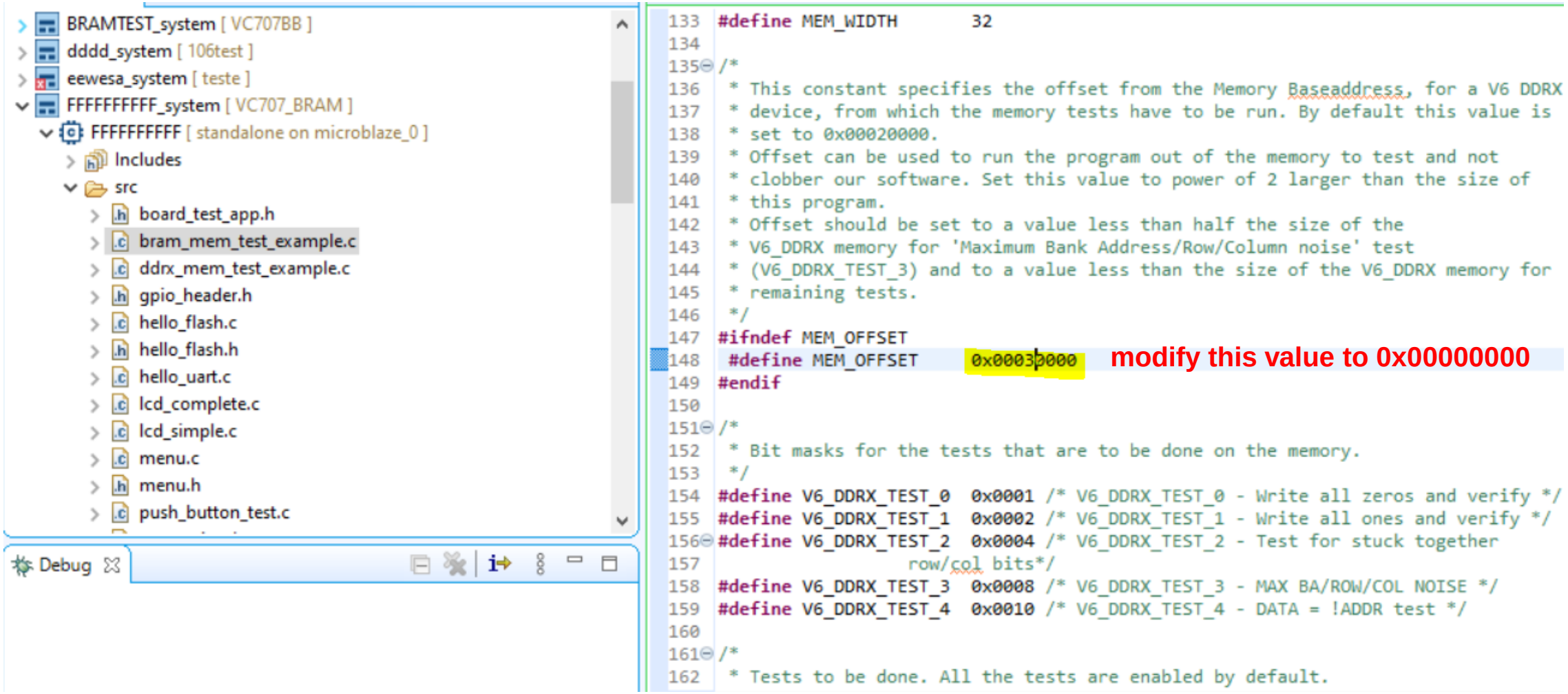
VC707 BIST Flow



VC707 BIST Flow

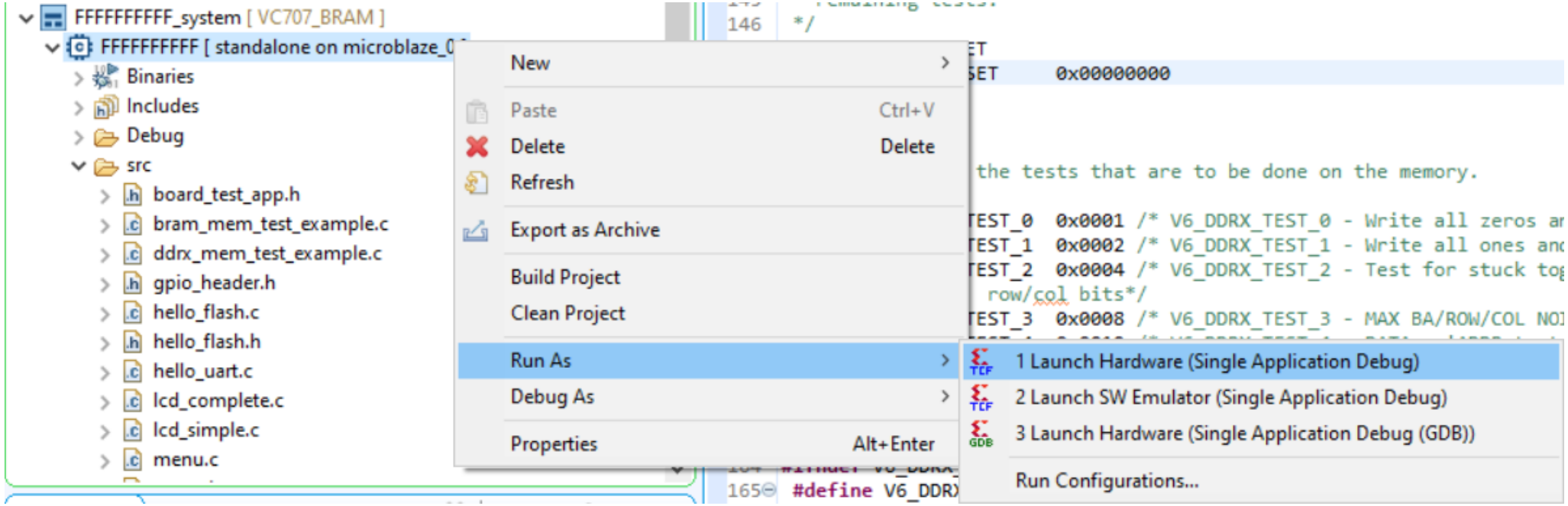


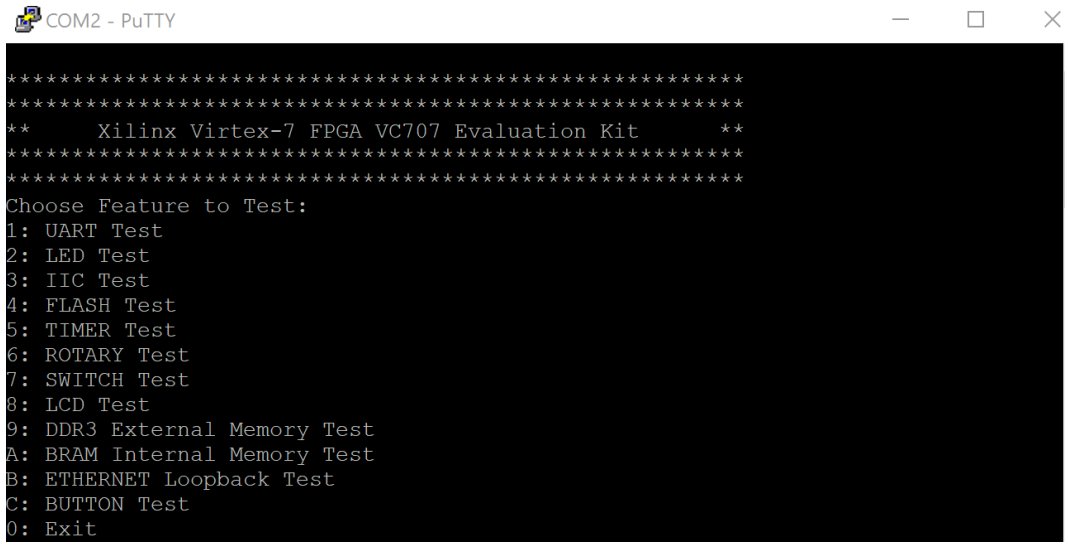
VC707 BIST Flow



Then build the whole application

VC707 BIST Flow

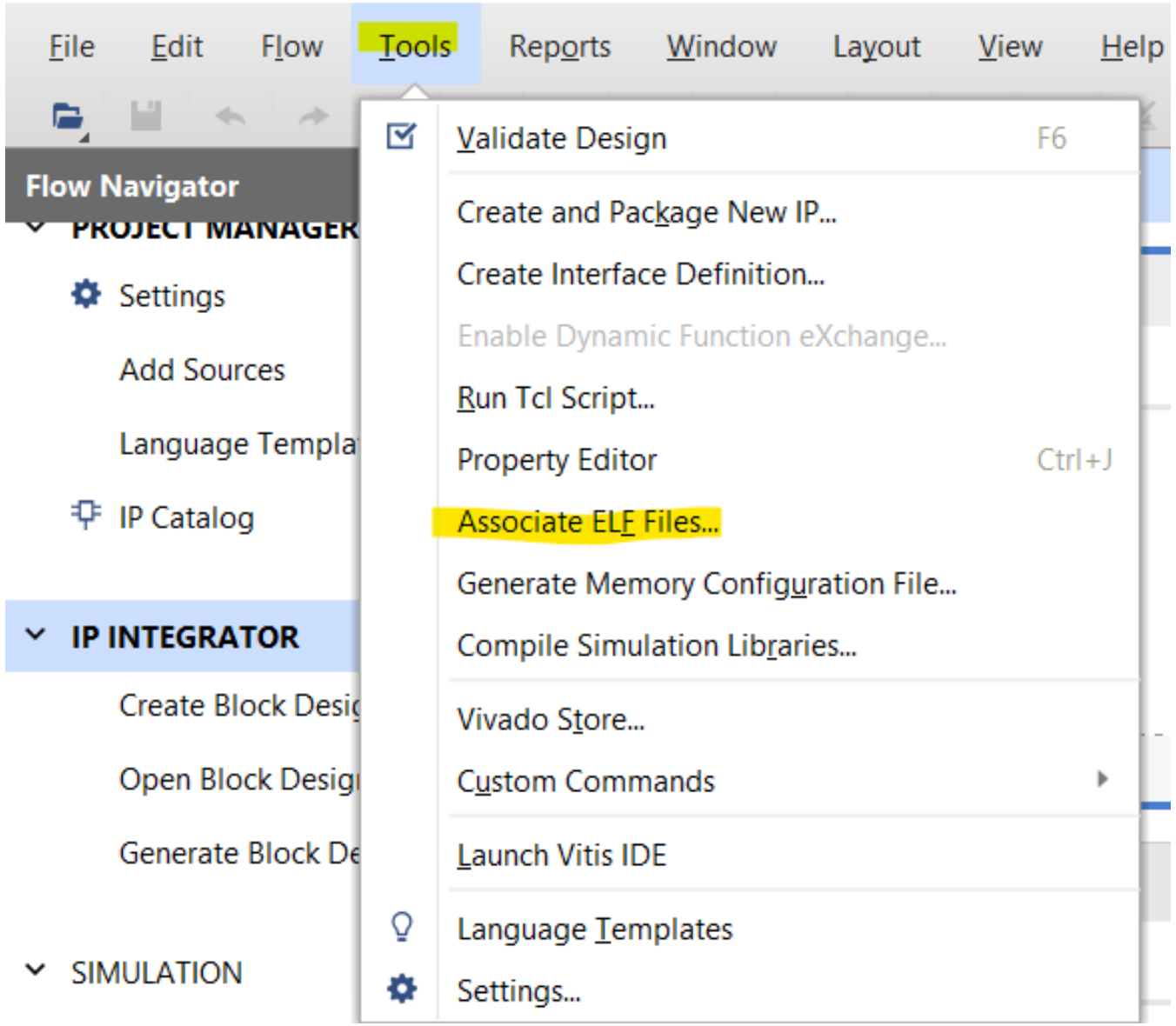




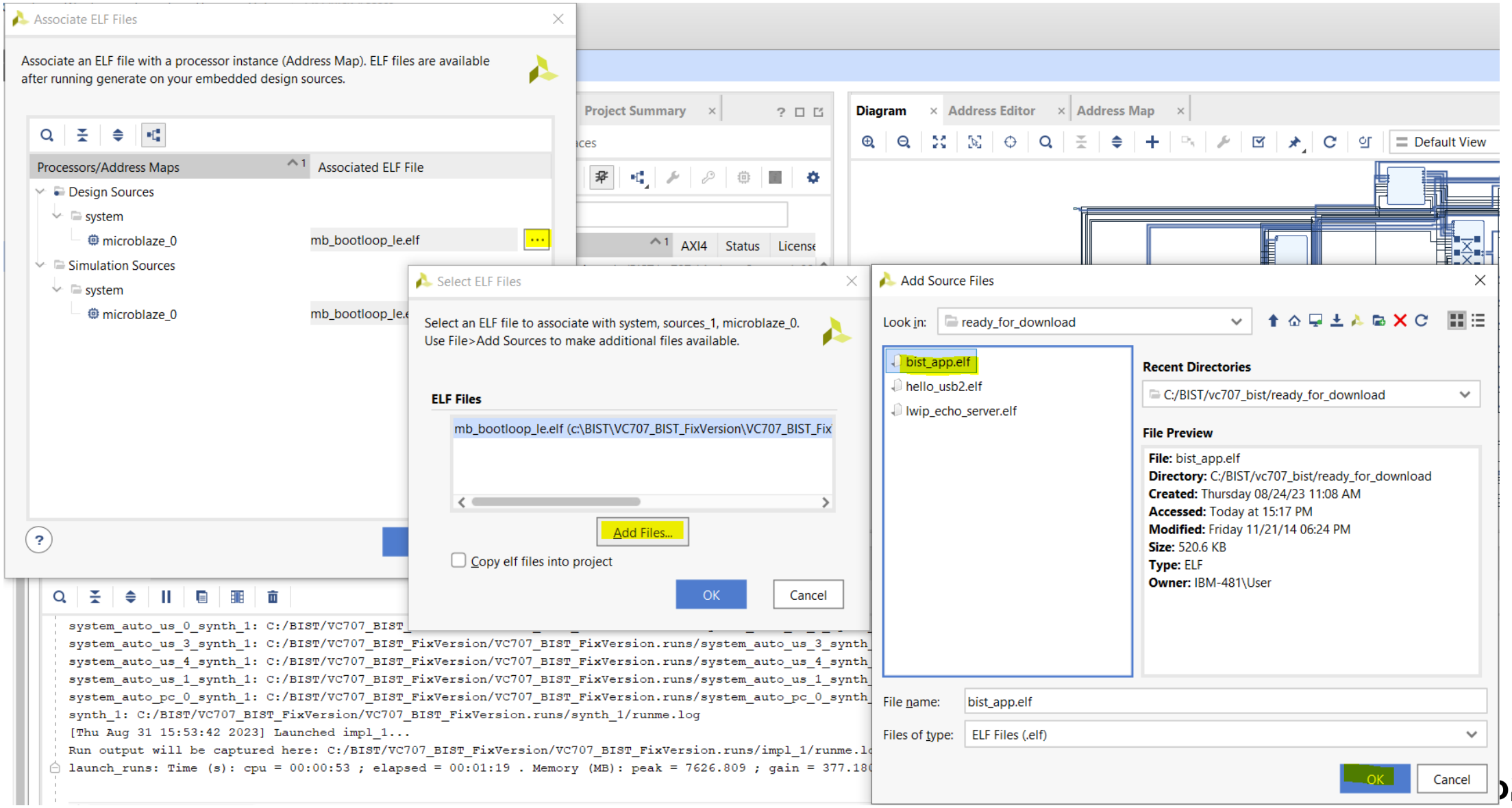
It works!


AMD

APPENDIX A: Combine bitstream with .elf file(Only for MicroBlaze)



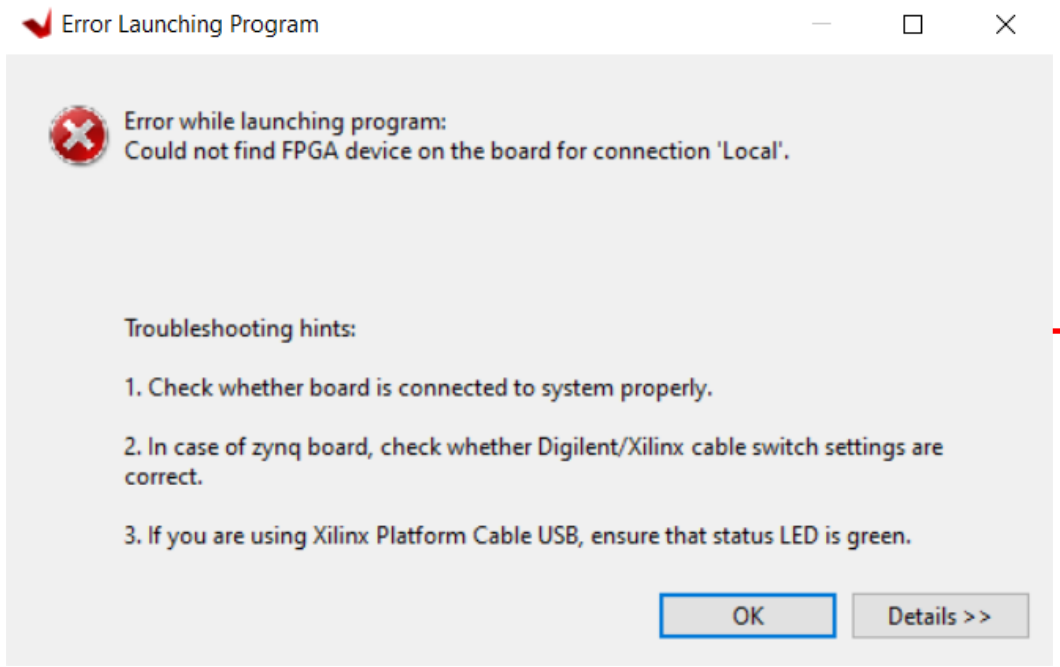
APPENDIX A: Combine bitstream with .elf file(Only for MicroBlaze)



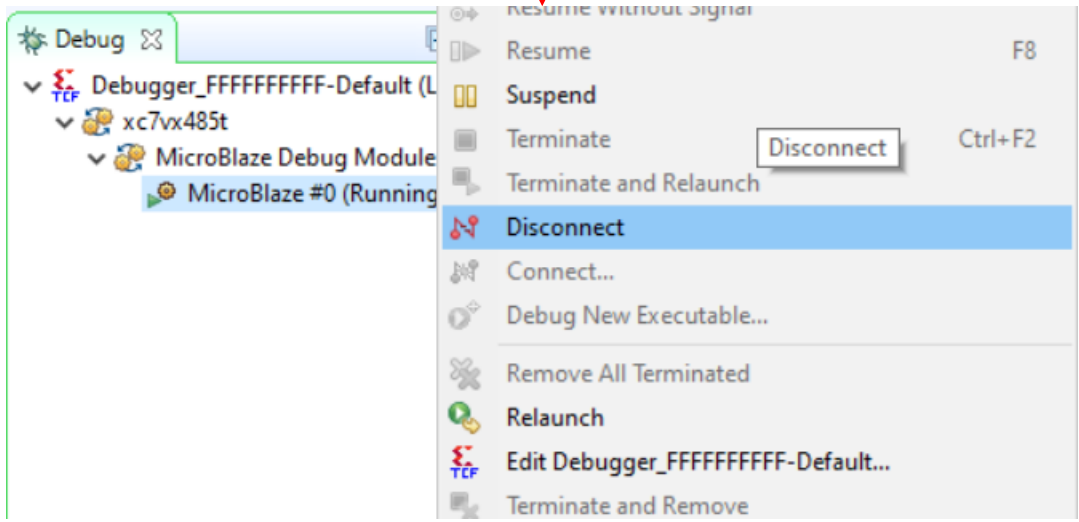
APPENDIX A: Combine bitstream with .elf file(Only for MicroBlaze)

Then Regenerate the bitstream, you will get a .bit file which including .elf.

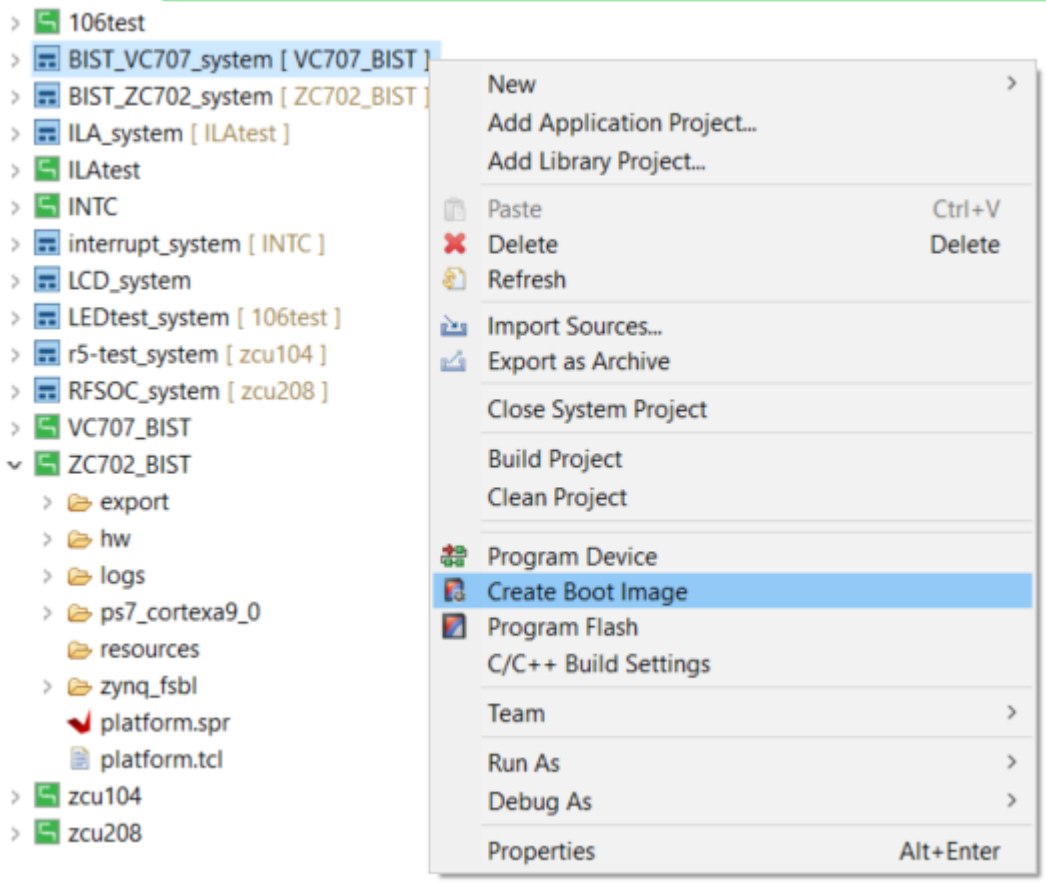
APPENDIX B: Program Error

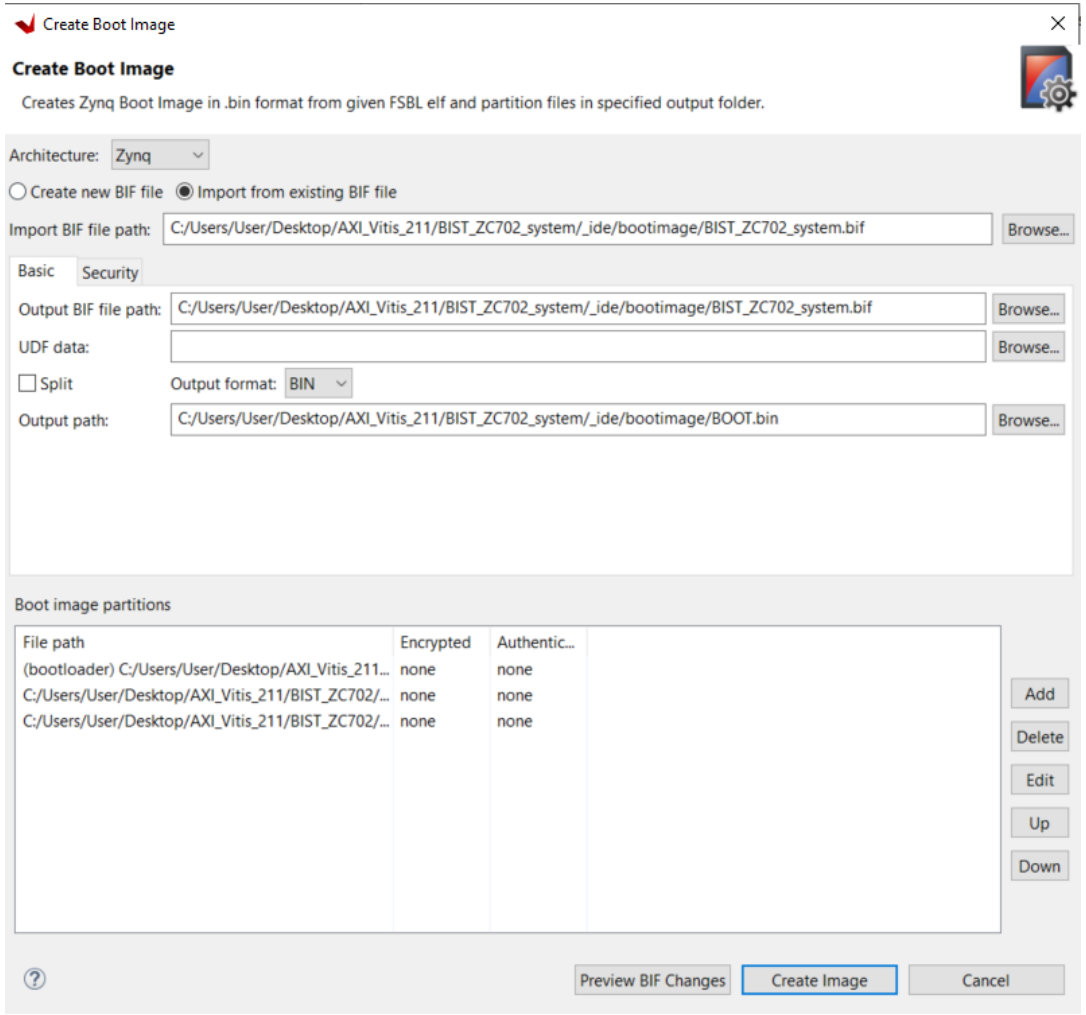


Solution

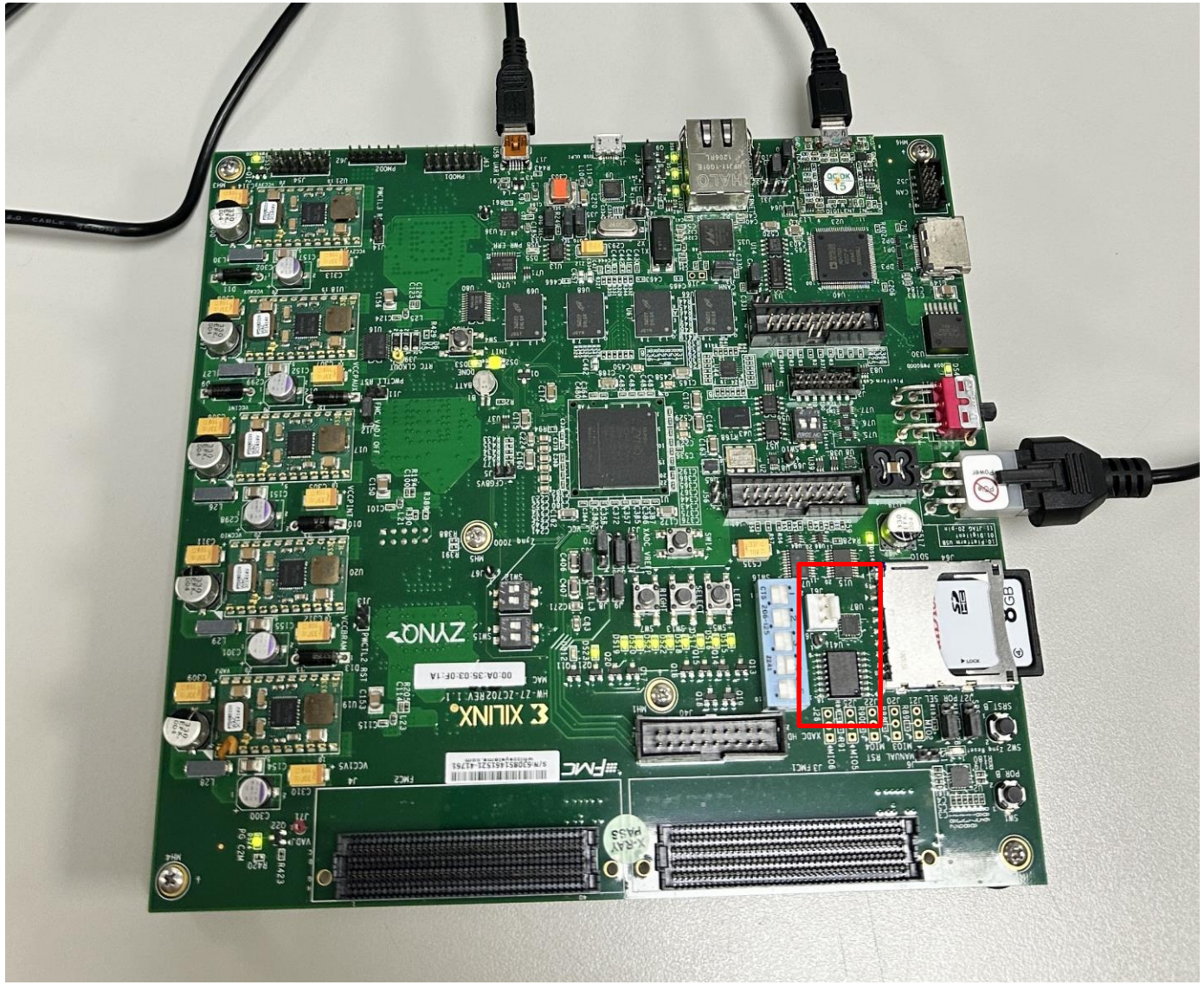


APPENDIX C: Program ZYNQ Series(ZC702)





APPENDIX C: Program ZYNQ Series(ZC702)



```
**********************************************************
**********************************************************
**    Xilinx Zynq-7000 AP SoC ZC702 Evaluation Kit     **
**********************************************************
**********************************************************
Choose Feature to Test:
1: PS UART Test
2: PS IIC Test
3: PS TIMER Test
4: PS SCUGIC Test
5: PS DCFG Test
6: PS DDR3 Memory Test
7: PS Interrupt Test
8: PS Watchdog Timer Test
9: PS LED Test
A: PS SWITCH Test
0: Exit
```