下載 Driver 軟體驅動

http://pan.baidu.com/share/link?shareid=1769613589&uk=3895905382

DLC9LP　XILINX USB 下載線

勝 特 力 材 料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

Platform Cable USB Compatible 的特性爲：
完全兼容 XILINX 原廠的 Platform Cable USB I，無縫支持 ISE(包括最新的 12.3)，Chipscope，EDK 等軟件。下載線固件全部爲 11.5 版本，向下支持各種低版本軟件(至少 ISE6.3.03 以上，建議 7.1 以上)，固件可以和原廠線一樣自動更新

基於原廠的 CY7C68013A+XC2C256CPLD 電路結構
支援 Windows 和 Linux 系統
自動檢測和適應目標 I/O 電壓
支援使用 5V(TTL)，3.3V(LVCMOS)，2.5V，1.8V 和 1.5V 接口電平的器件
LED 狀態指示
可對 SPI 接口 flash PROM 器件進行編程

支援所有 XILINX 器件，包括：
所有 Virtex FPGA 器件 (包括 virtex6 所有容量)
所有 Spartan FPGA 器件 (包括 Spartan6 所有容量）
XC9500/XC9500XL/XC9500XV CPLD 器件 (各種電壓)
CoolRunner XPLA3/CoolRunner-II CPLD 器件
XC18V00 ISP PROM 系列
Platform Flash XCF00S/XCF00P/XL PROM 系列
XC4000 系列 FPGA

Platform Cable USB Compatible 概述

Platform Cable USB Compatible 是一种用来对 XILINX CPLD，FPGA 和 ISP PROM 進行编程和配致的高性能下載線。它使用 USB 接口，通過一根高速屏蔽 USB 電纜與台式電腦或筆記型型電腦接，無需外接电源。在從串模式下，为 FPGA 器件提供最大可達 24Mb/s 的配置速度

舉例來說，使用 12M 配置時鐘對 XC3S400 器件進行配置只需要 0.5 秒，使用 6M 配置時鐘對 Virtex5-110T 進行配置則需要 8 秒鐘。只要連接線路接觸良好，幾乎不會發生並口下載線經常出現的配置失敗現象

使用 iMPACT 軟件，器件的编程和配置可以通過邊界掃描，從串或 SPI 方式進行。另外 Platform Cable USB Compatible 還支援通過 JTAG 口對 Platform Flash XL 和其他存儲器進行間接编程。编程速率由 750kHz 到 24MHz 可選。

產品內容

1 主機一台
2 USB 線一條
3 多功能轉接板 一塊
  14P20cm 長排線 間距 2.0mm 一條
  14P20cm 長排線 間距 2.54mm 一條
  10P20cm 長排線 間距 2.54mm 一條
  7P 孔 20cm 長杜邦線 間距 2.54mm 一條
  7P 孔 20cm 杜邦線 間距 2.54mm(帶信號標識) 一條
4 資料光盤
  1 提供 ISE13.1 版本軟件及 LIC
  2 提供軟件安裝，驅動安裝，下載程序操作說明
  3 提供 XILINX 相關的電子書籍及培訓視頻

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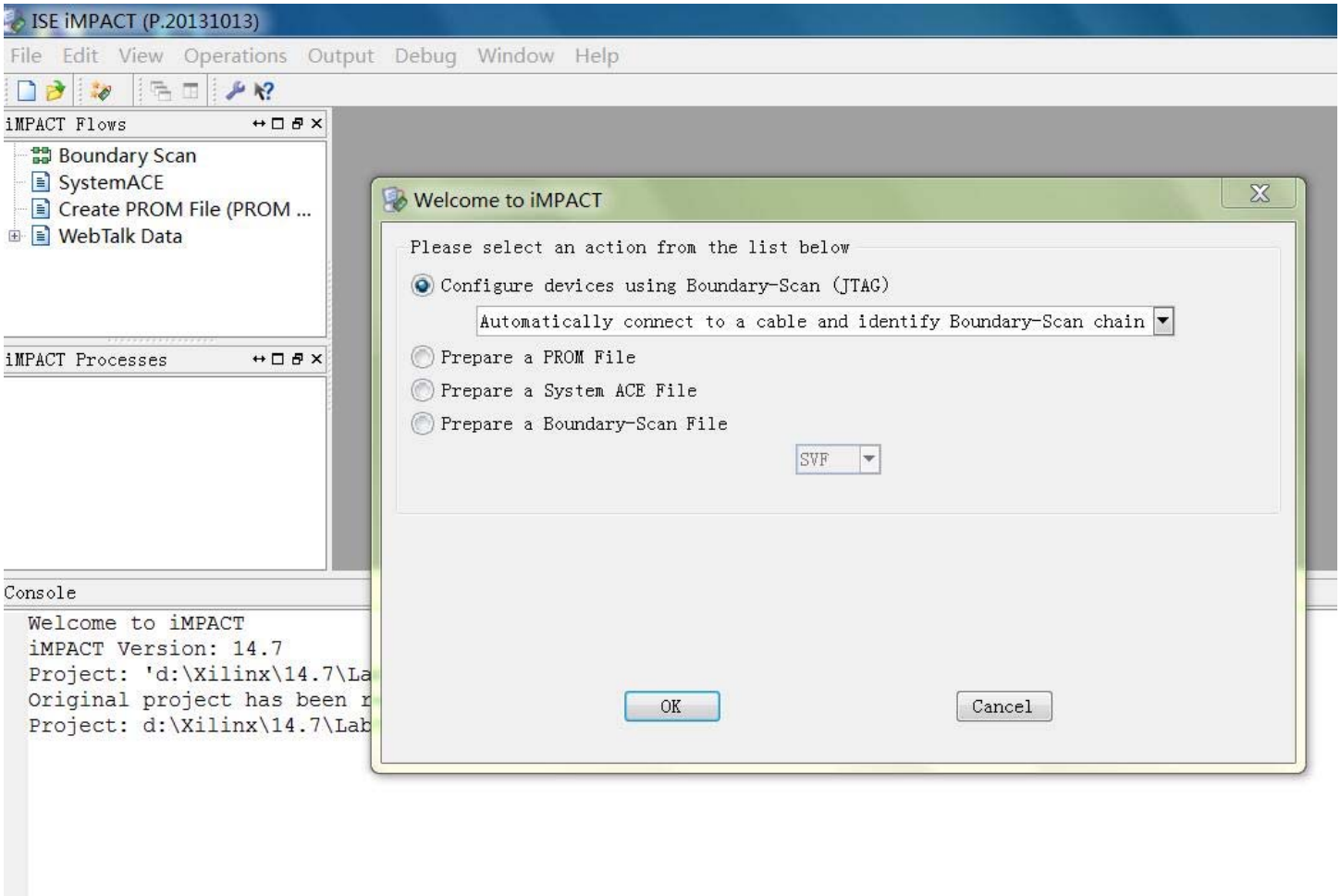
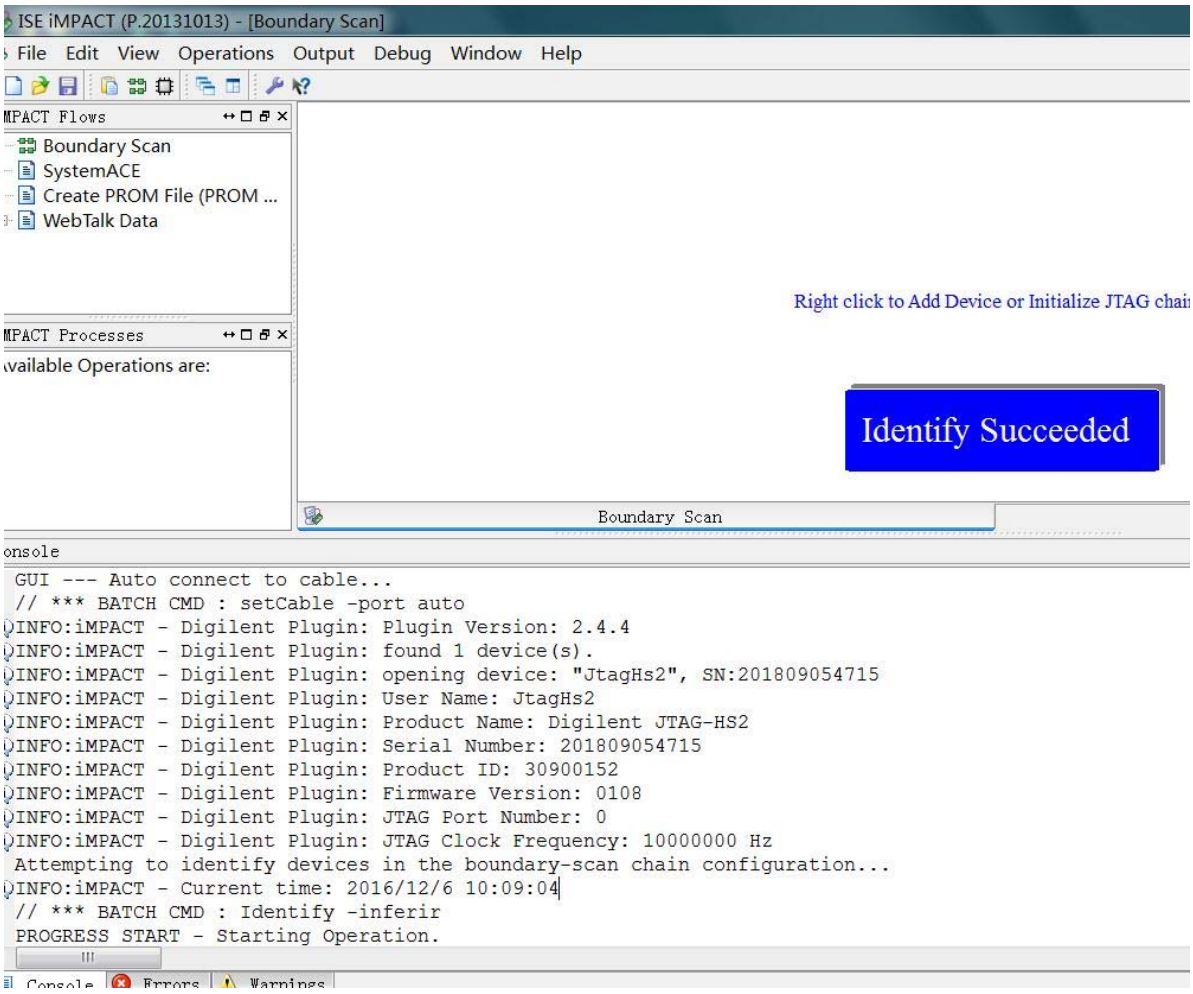
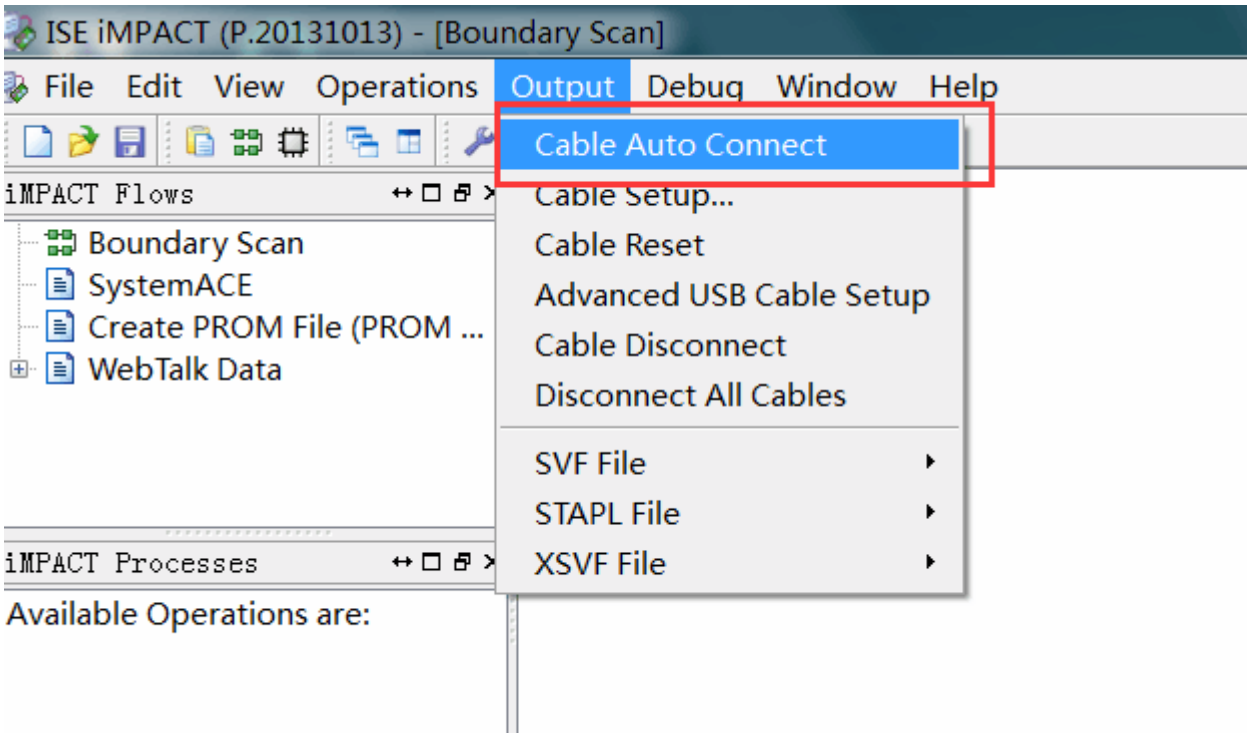
准备工作：
安装好 ISE14.2 以上的软件
安装好 ISE 软件后，插入 XILINX CABLE　驱动会自动安装好，无需人工干预
下载器与 XC2C32A 开发板相连，以便验证
运行 iMpact

新建项目

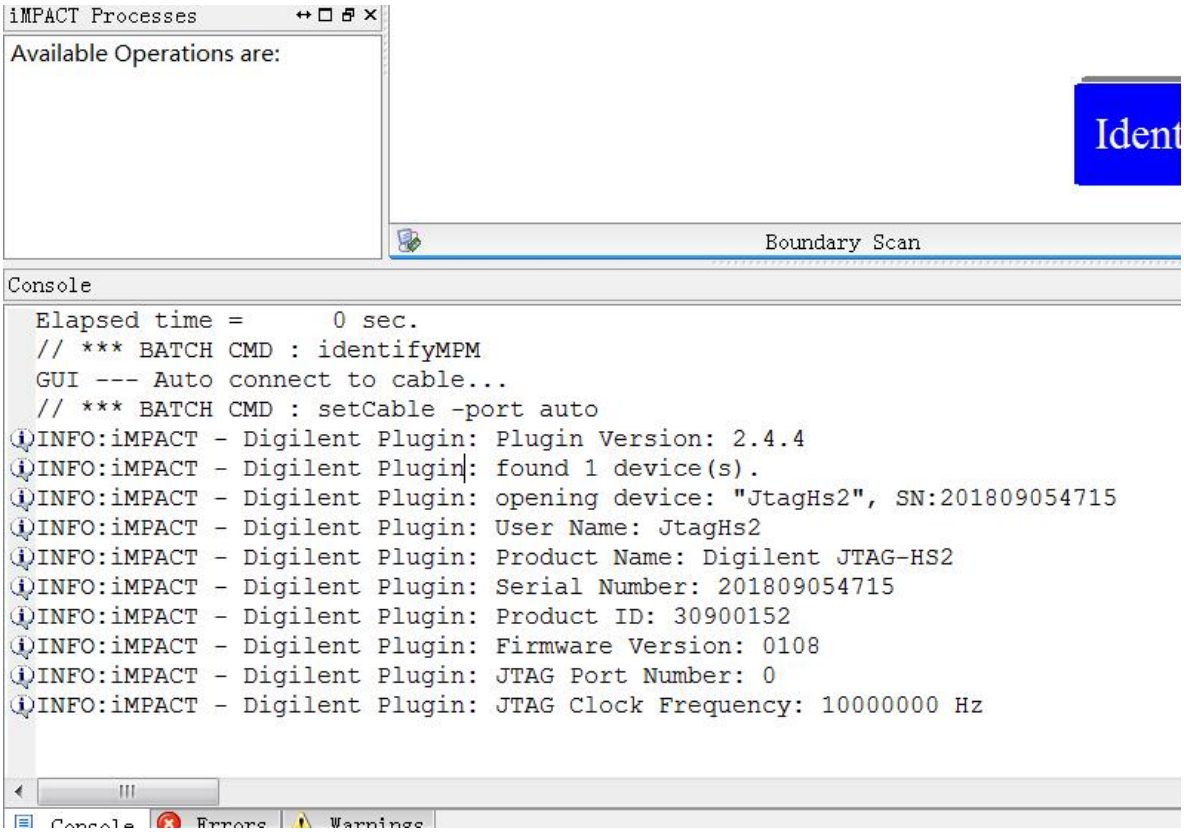




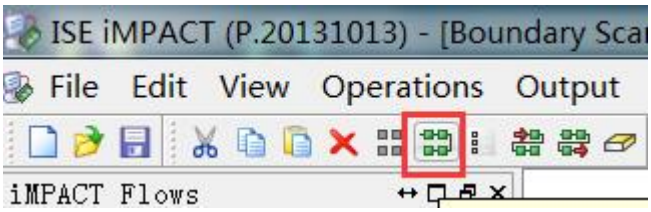
菜单 OUTPUT
Cable AUTO connect
执行后可以看到



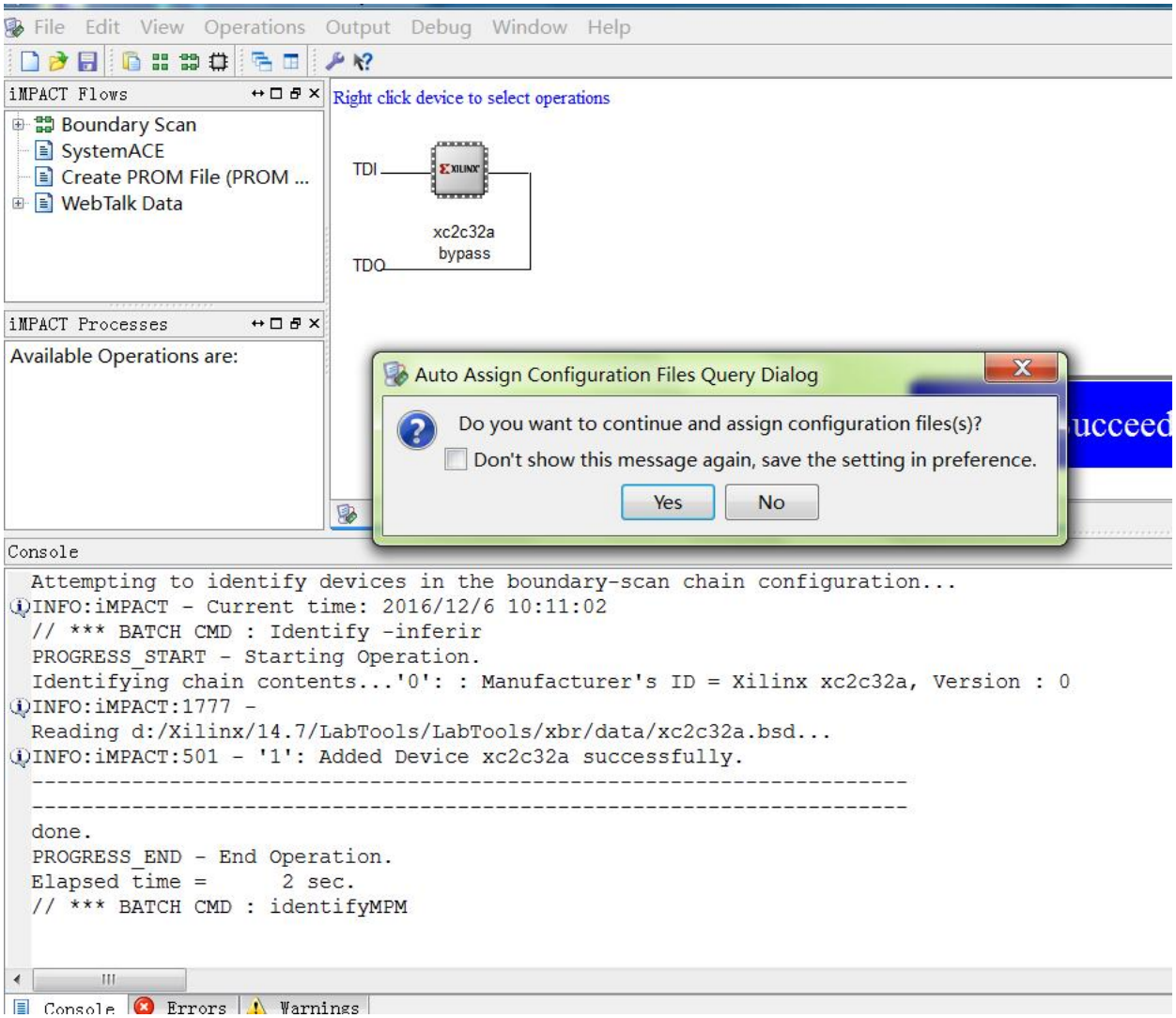
可以看到如下仿真器的信息，



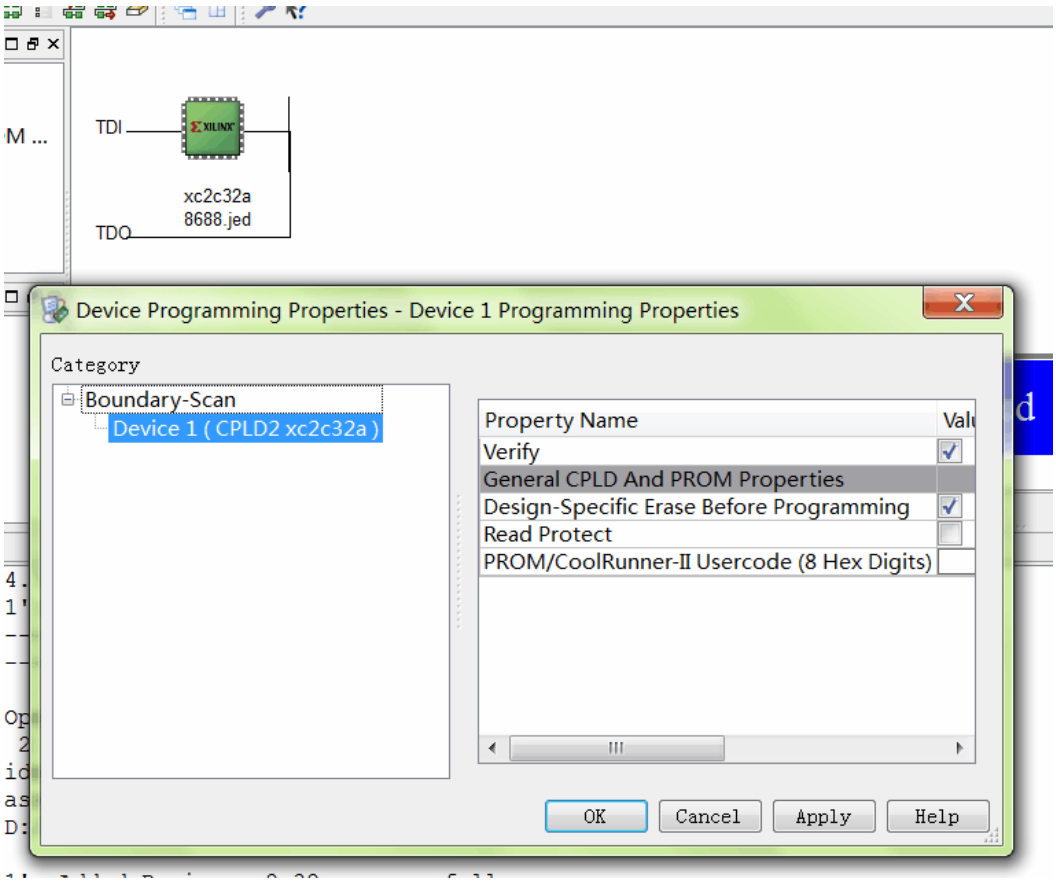
执行检测芯片



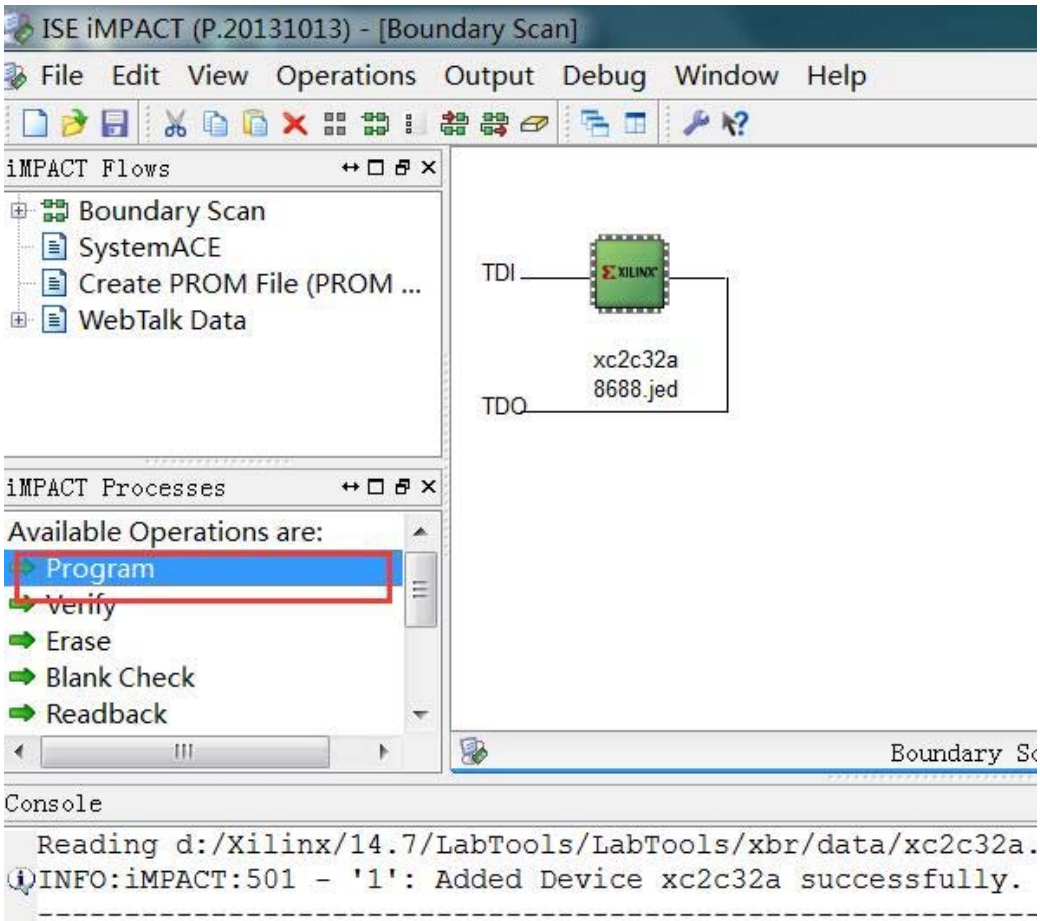
识别出芯片后加载 JED 文件


File Edit View Operations Output Debug Window Help
iMPACT Flows
Boundary Scan
SystemACE
Create PROM File (PROM ...
WebTalk Data
Right click device to select operations
TDI
xc2c32a
bypass
TDO
iMPACT Processes
Available Operations are:
Auto Assign Configuration Files Query Dialog
Do you want to continue and assign configuration files(s)?
Don't show this message again, save the setting in preference.
Yes
No
Console
Attempting to identify devices in the boundary-scan chain configuration...
INFO:iMPACT - Current time: 2016/12/6 10:11:02
// *** BATCH CMD : Identify -inferir
PROGRESS_START - Starting Operation.
Identifying chain contents...'0': : Manufacturer's ID = Xilinx xc2c32a, Version : 0
INFO:iMPACT:1777 -
Reading d:/Xilinx/14.7/LabTools/LabTools/xbr/data/xc2c32a.bsd...
INFO:iMPACT:501 - '1': Added Device xc2c32a successfully.
done.
PROGRESS_END - End Operation.
Elapsed time = 2 sec.
// *** BATCH CMD : identifyMPM
Console
Errors
Warnings

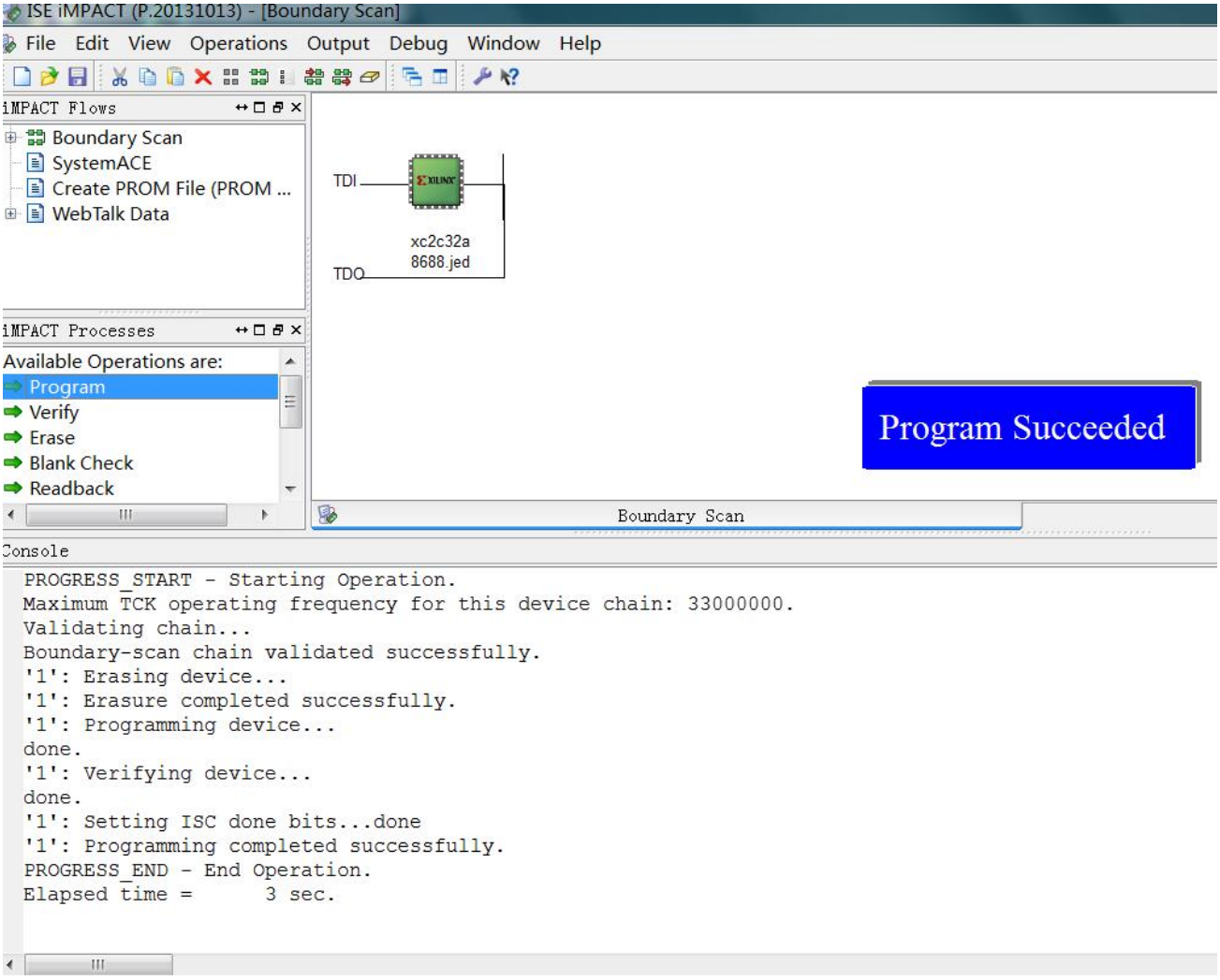
设置编程项目：


TDI
xc2c32a
8688.jed
TDO
Device Programming Properties - Device 1 Programming Properties
Category
Boundary-Scan
Device 1 (CPLD2 xc2c32a)
Property Name
Verify
General CPLD And PROM Properties
Design-Specific Erase Before Programming
Read Protect
PROM/CoolRunner-II Usercode (8 Hex Digits)
OK
Cancel
Apply
Help

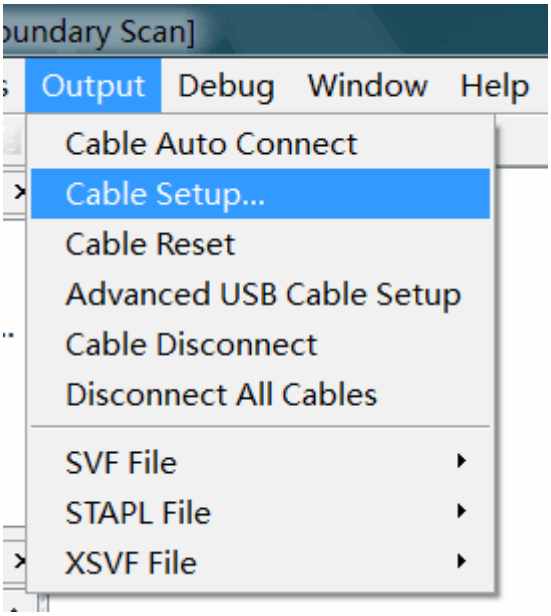
对芯片进行烧录编程



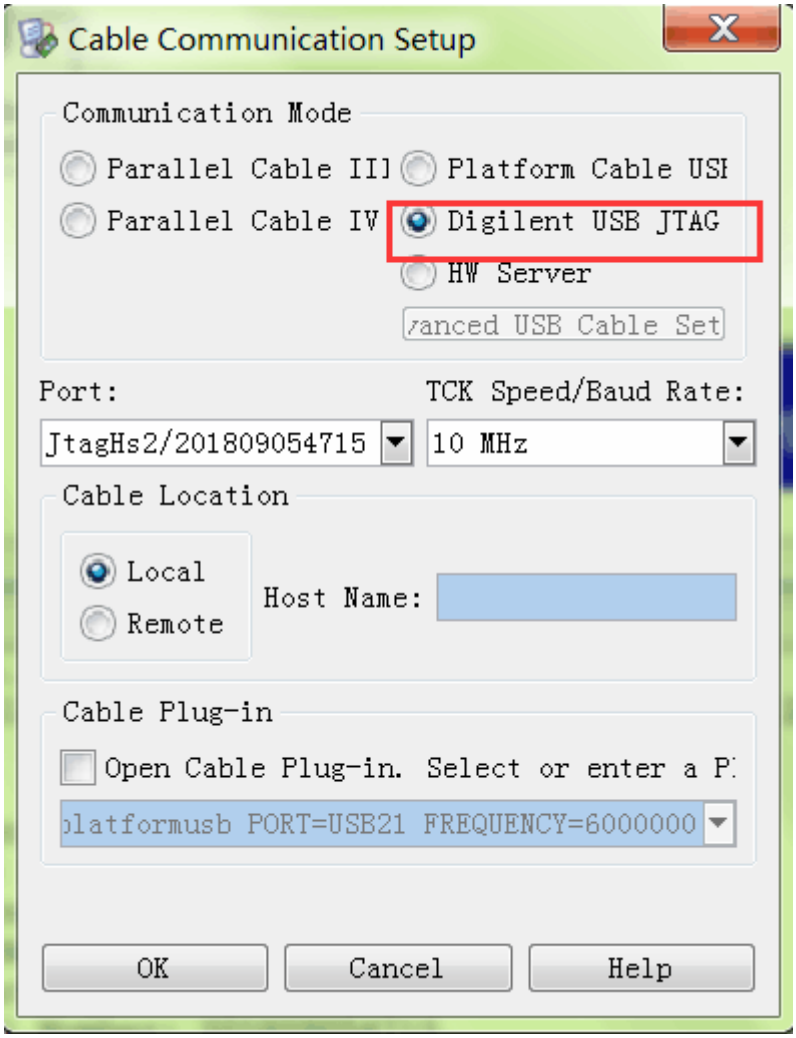
编程成功：



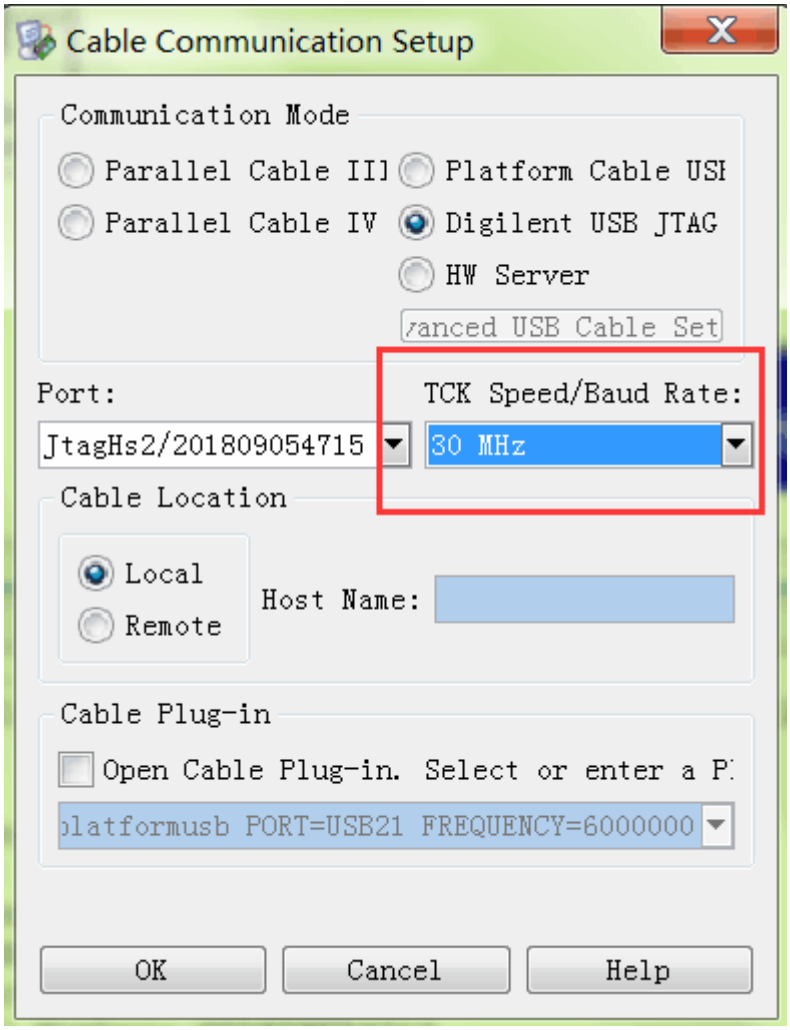
配置仿真器：

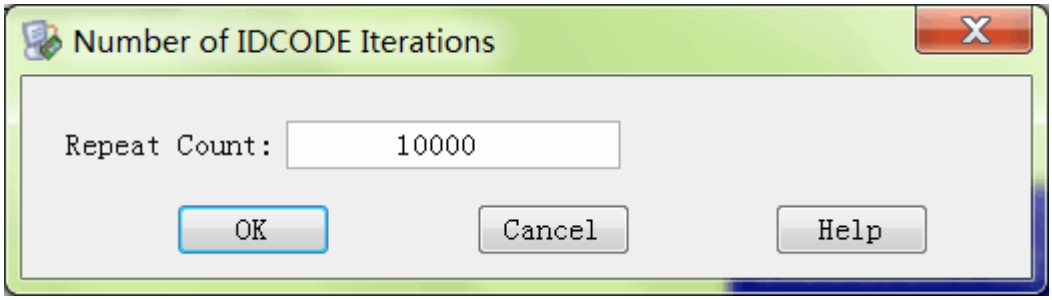


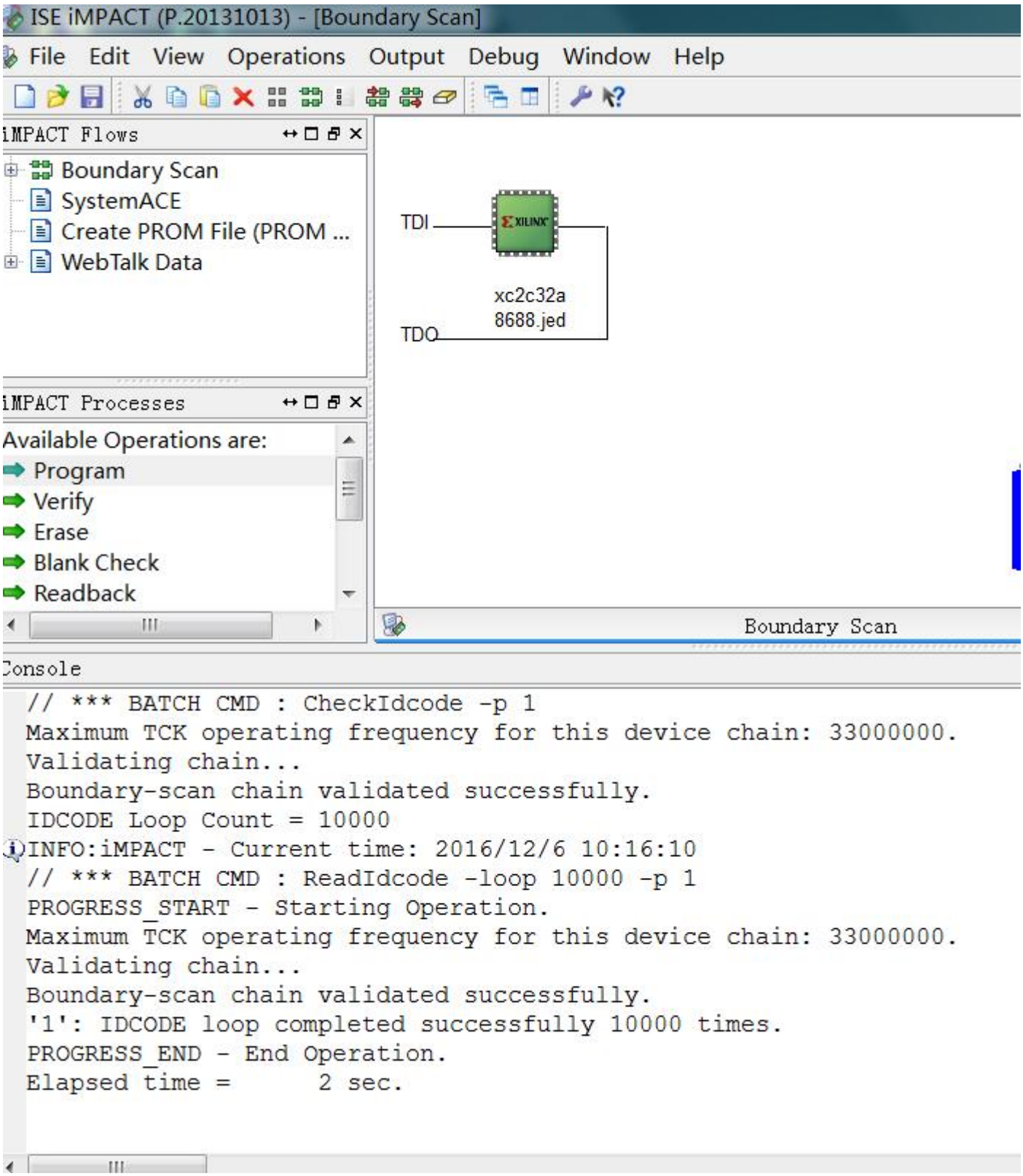
选：Digilent USB JTAG


Cable Communication Setup
Communication Mode
Parallel Cable III
Platform Cable USI
Parallel Cable IV
Digilent USB JTAG
HW Server
vanced USB Cable Set
Port:
TCK Speed/Baud Rate:
JtagHs2/201809054715
10 MHz
Cable Location
Local
Remote
Host Name:
Cable Plug-in
Open Cable Plug-in. Select or enter a P
platformusb PORT=USB21 FREQUENCY=6000000
OK
Cancel
Help

时钟速度调至：30M


Cable Communication Setup
Communication Mode
Parallel Cable III
Platform Cable USI
Parallel Cable IV
Digilent USB JTAG
HW Server
ranced USB Cable Set
Port:
TCK Speed/Baud Rate:
JtagHs2/201809054715
30 MHz
Cable Location
Local
Remote
Host Name:
Cable Plug-in
Open Cable Plug-in. Select or enter a P
platformusb PORT=USB21 FREQUENCY=6000000
OK
Cancel
Help


Number of IDCODE Iterations
Repeat Count:
10000
OK
Cancel
Help


ISE iMPACT (P.20131013) - [Boundary Scan]
File Edit View Operations Output Debug Window Help
iMPACT Flows
Boundary Scan
SystemACE
Create PROM File (PROM ...
WebTalk Data
TDI
TDO
xc2c32a
8688.jed
iMPACT Processes
Available Operations are:
Program
Verify
Erase
Blank Check
Readback
Boundary Scan
Console
// *** BATCH CMD : CheckIdcode -p 1
Maximum TCK operating frequency for this device chain: 33000000.
Validating chain...
Boundary-scan chain validated successfully.
IDCODE Loop Count = 10000
INFO:iMPACT - Current time: 2016/12/6 10:16:10
// *** BATCH CMD : ReadIdcode -loop 10000 -p 1
PROGRESS_START - Starting Operation.
Maximum TCK operating frequency for this device chain: 33000000.
Validating chain...
Boundary-scan chain validated successfully.
'1': IDCODE loop completed successfully 10000 times.
PROGRESS_END - End Operation.
Elapsed time = 2 sec.