Lab3: Hardware Interface - Real Board

OBJECTIVES

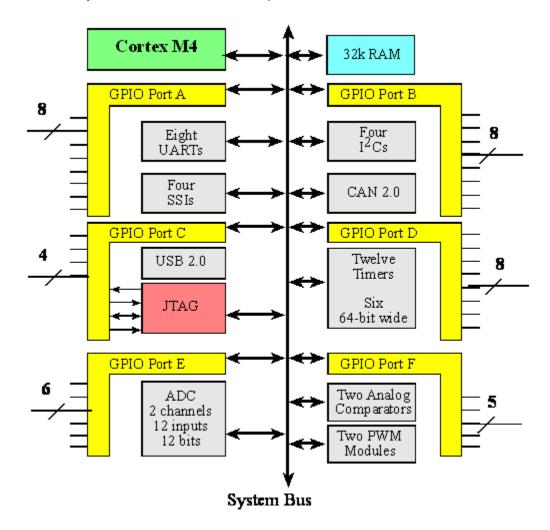
This is your first program to run on the LaunchPad You will run this program without modification as your Lab 2 If the left switch SW1 is not pressed the LED toggles blue-red pressed the LED toggles blue-Green

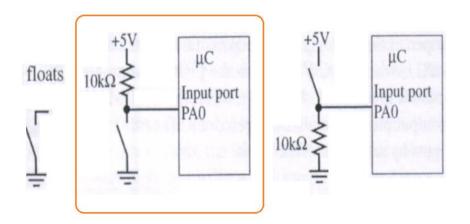
MATERIALS/EQUIPMENT NEEDED

• Keil µVision Integrated Development Environment (IDE) for the ARM.

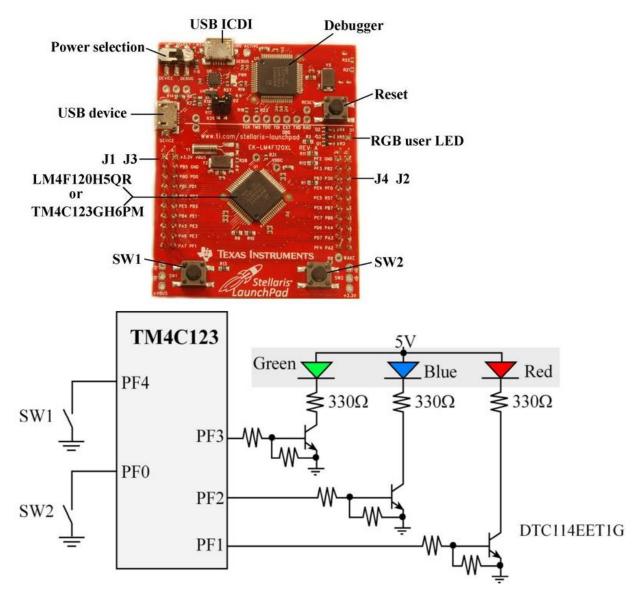
INTRODUCTION

- Compile (build) your project in Keil, and start the debugger in simulation mode.
- Execute Peripherals->TExaS PortF to open the Lab 2 window.



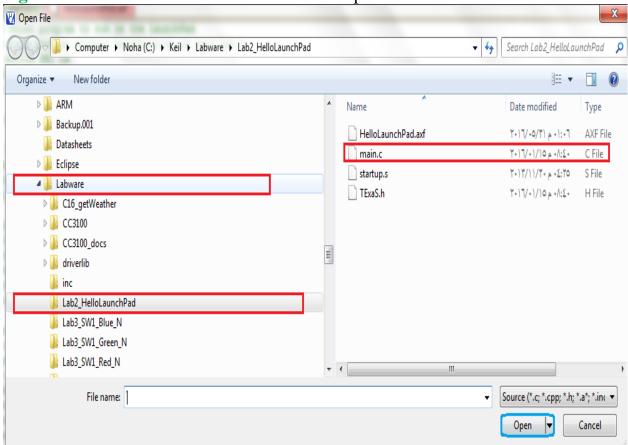


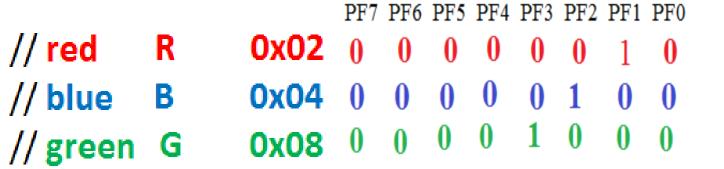
PROCEDURE



// SW1 left switch is negative logic PF4 on the Launchpad // SW2 right switch is negative logic PF0 on the Launchpad // red LED connected to PF1 on the Launchpad // blue LED connected to PF2 on the Launchpad

// green LED connected to PF3 on the Launchpad

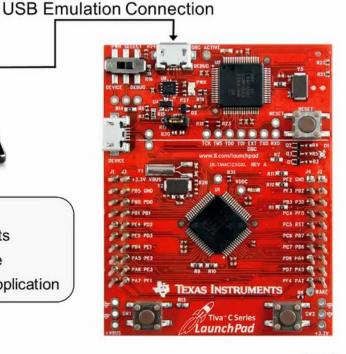




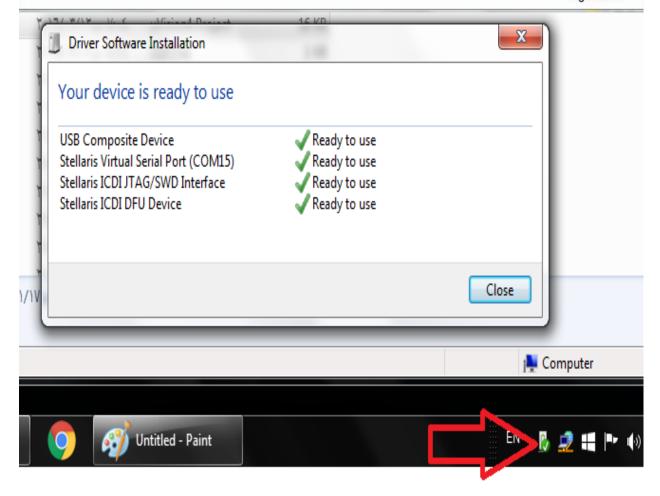
Lab 1: Hardware and Software Setup

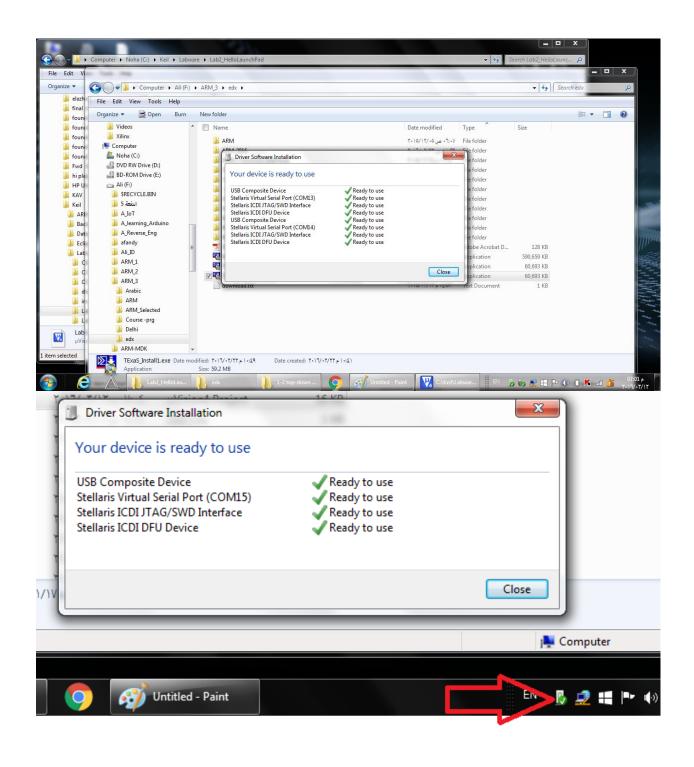


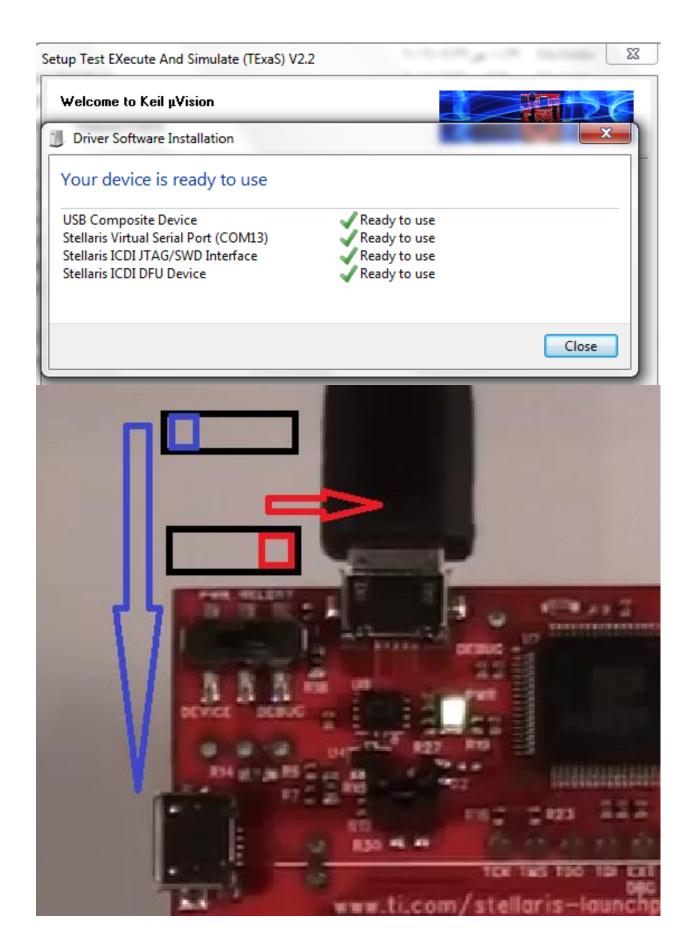
- Install the software
- Review the kit contents
- Connect the hardware
- Test the QuickStart application



Agenda ...







- 1- connect the LaunchPad to the PC using the USB cable.
- 2- assign the target to the board
- 3- Compile (build) your project in Keil build target
- 4-download it to the board
- 5- start the debugger in real board mode.
- 6-Make sure your program is running F5.

In the debugger, perform a reset and then run your software.

