VOICE RECORDER USING THE MSP430

This document has the required information necessary to run the example code that implements a voice recorder using the MSP430.

Note: Read the Experimenter's User's Guide and the FET User's Guide documents for more information.

Requirements

Figure 1 shows the board with the associated jumpers and their configuration for proper functionality of the demonstration.

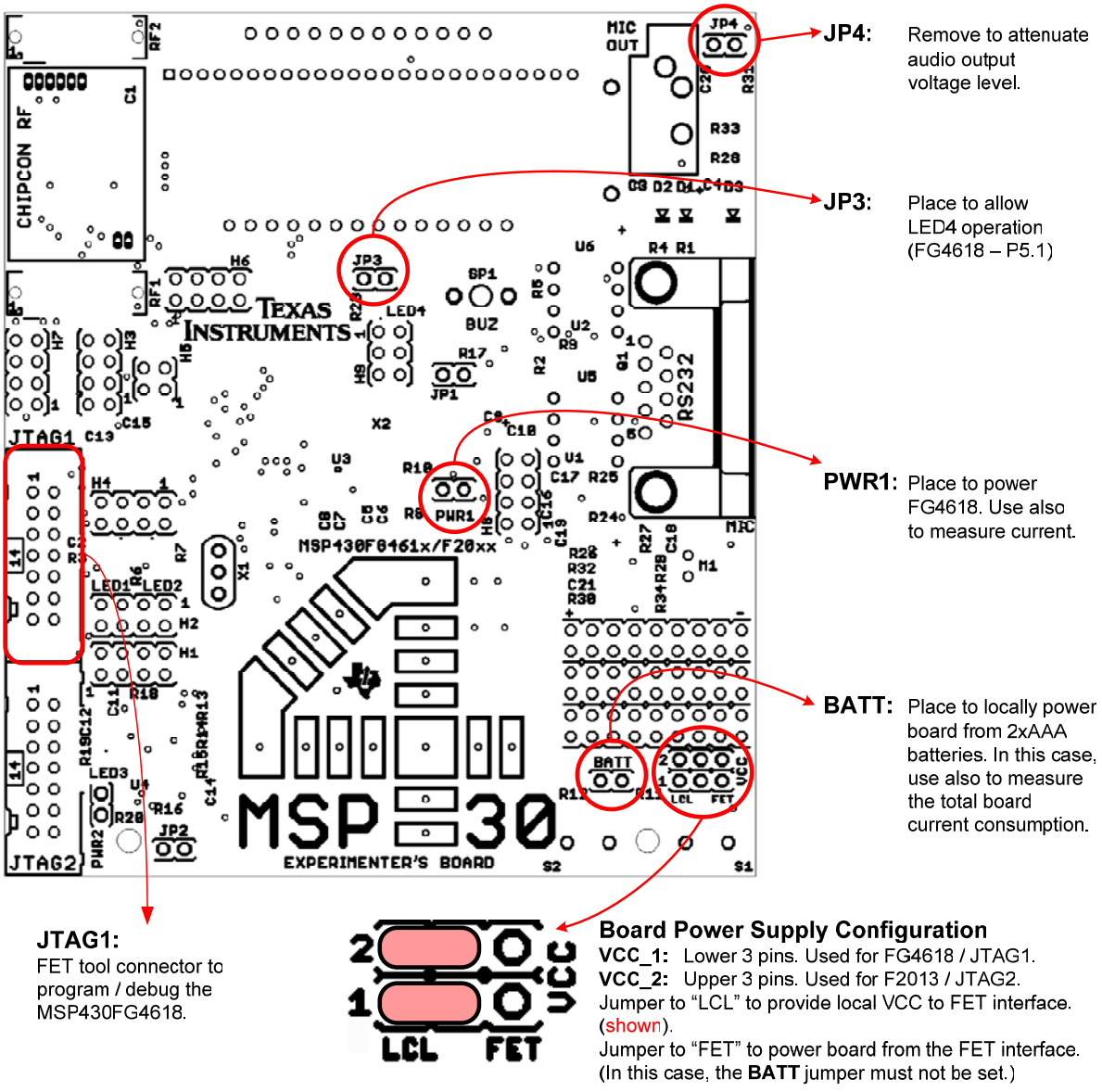

Figure 1: Board settings to demonstrate voice recorder

Associated code files

The code files associated with this demonstration is

- Voice_Recorder.c → Implements a voice recorder on the FG4618

Steps to run the demonstration codes

1. Connect JTAG header of USB FET to JTAG1 to debug the FG4618
2. Open IAR Embedded Workbench V 3.42.
3. Choose **Project→ Add Existing Project** from the drop down menu.
4. Select the project file the Voice_Recorder.ewp.
5. Confirm if the target is MSP430FG4618 and FET Debugger option is selected.
6. Build and load the project on the device by selecting **Project→ Debug**.
7. From the IAR Embedded Workbench window from the drop down menu select **Debug→ Go** to start operations on the FG4618.
8. When Switch S2 is pressed, the LCD displays ERASE and LED 4 blinks. During this the flash memory is erased.
9. When LED 4 stops blinking and remains ON, anything said on the MIC would be recorded.
10. LED 4 turns OFF when the recording length is reached and recording stops.
11. When Switch S1 is pressed, the LED 4 is turned ON and the recorded sample is played back. LED 4 turns OFF after this playback.