

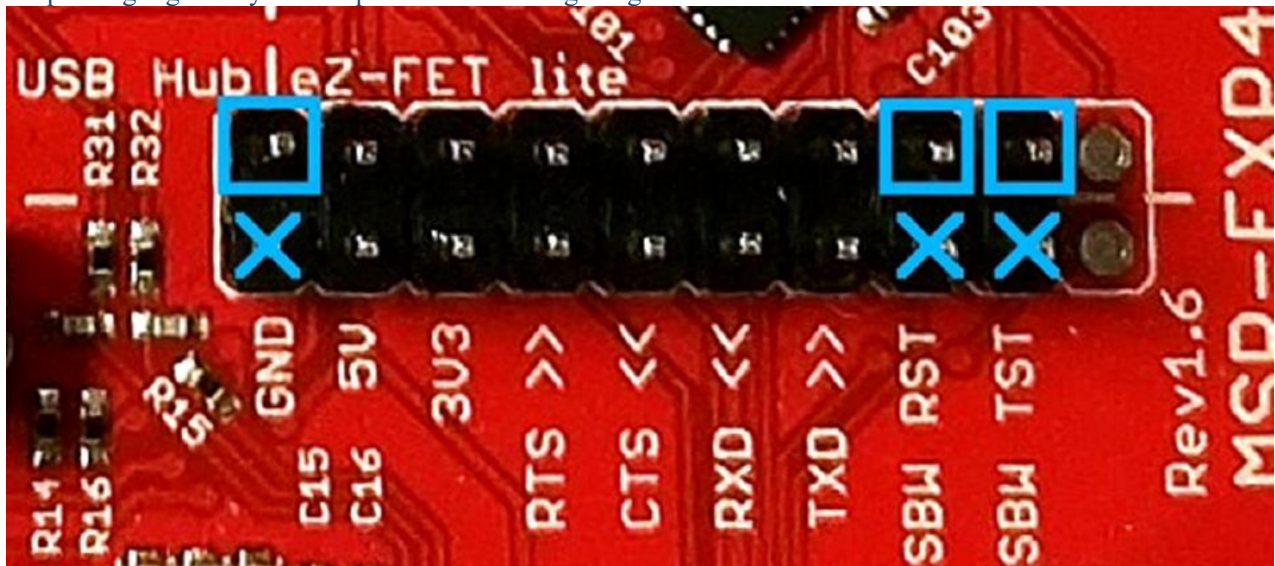
Here are the required softwares to be downloaded :

1. Install USB2mdio : <https://www.ti.com/tool/USB-2-MDIO>
2. Install Uniflash : <https://www.ti.com/tool/UNIFLASH>
3. Download Firmware to flash : msp430-usb-to-mdio-universal-v2.4.txt (Attached)

Step 1 : Connect launchpad to computer via usb .

Step 2 : Connect 5V supply to 811 board.

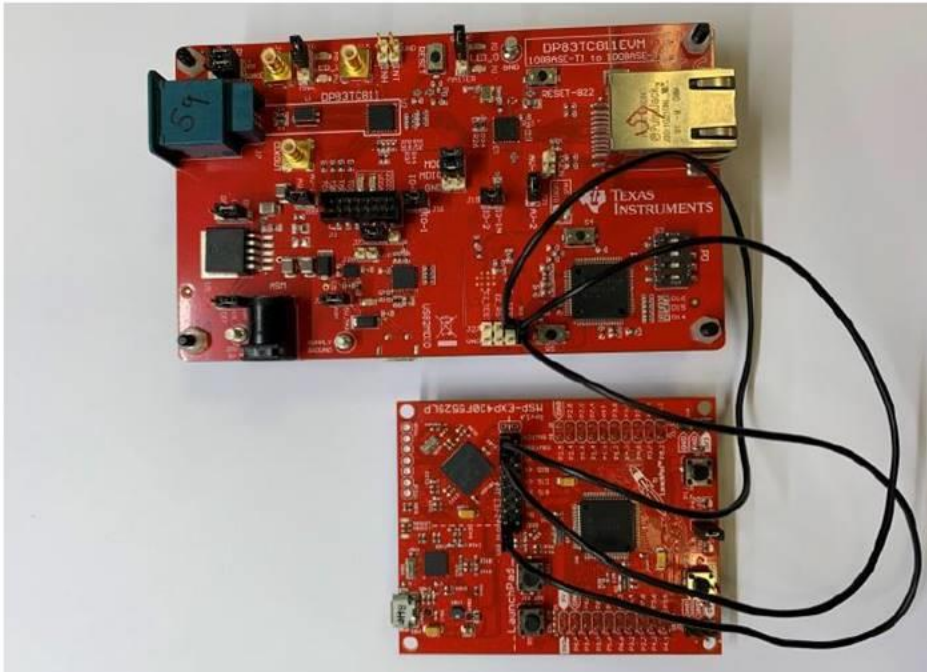
Step 3 : On launch-pad board remove all jumpers from the following connector and connect one wire each to the pins highlighted by “blue squares” in following image :



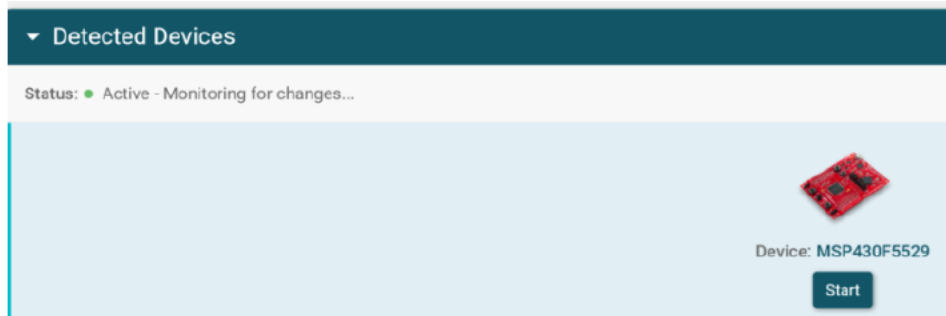
Step 4 : On 811 board, place jumper across pin 1 and 2 of J23. Remove jumper from J26 (if any). Put jumper on pin J25. Do not connect usb cable to 811 board yet.

Step 5 : Connect launch-pad to 811 EVM (J27) as following :

Launchpad	811 Media Converter
GND	GND
SBW TST (SBWTCK)	TST
SBW RST (SBWTDIO)	RST



Step 6 : Open “uniflash” software and it should auto-detect MSP430 :



Click on start and load the firmware image (msp430-usb-to-mdio-universal-v2.4.txt) that you saved on your computer.

Step 6 :”Remove the connections between launch-pad and 811 board. Also disconnect launch-pad board from the computer. Remove J25 on 811 board

Step 7 : Open usb-2-mdio tool : Go to settings -> Com port -> Select the port and select the baud rate = 9600 -> click open port.

Step 8 : Put phy id = 00, register address = required value in hexadecimal (example for ld\_swing : register address = 0401)

- ➔ Press “Read” to read the current value of register.
- ➔ Type the required value in “Data” box and press “write” to program that value to the mentioned register.

PHY ID

00 ▾

Extended Register

Yes ▾

Port Status



\* HW Connected \*

0401

Register Address

Open Port

Data

Close Port

Read

Write

ClearText

Register 0401 is: 000a

