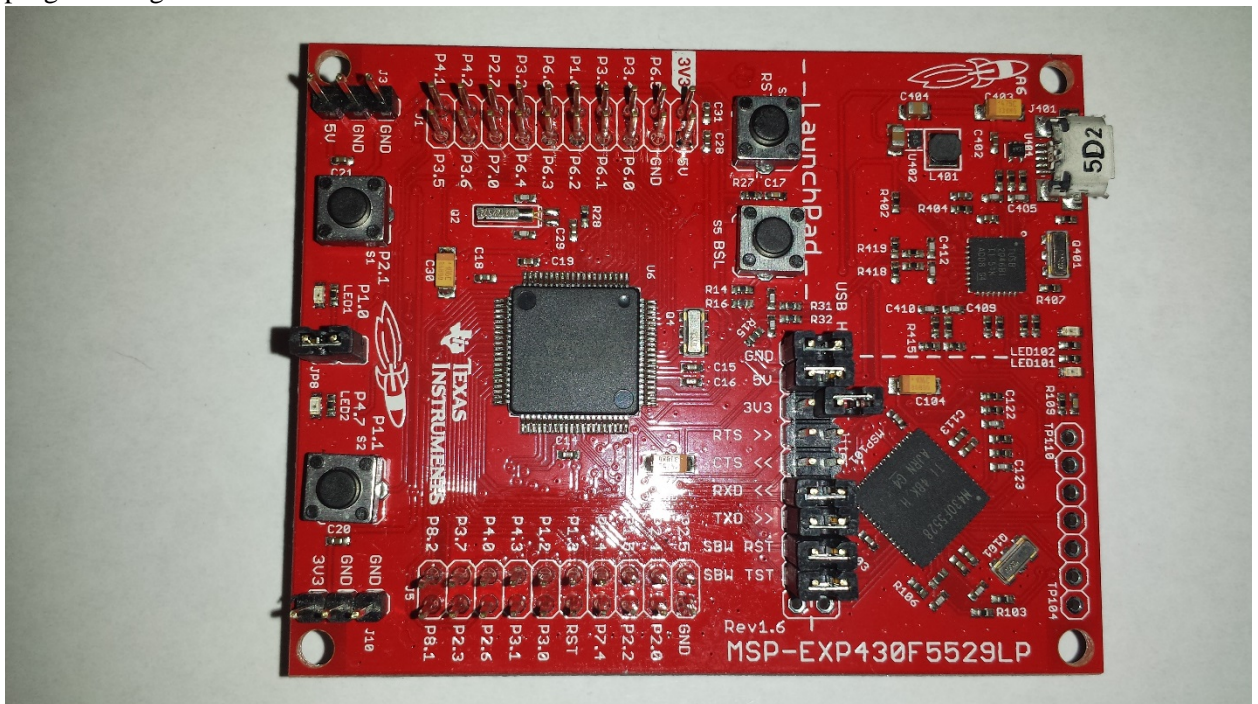


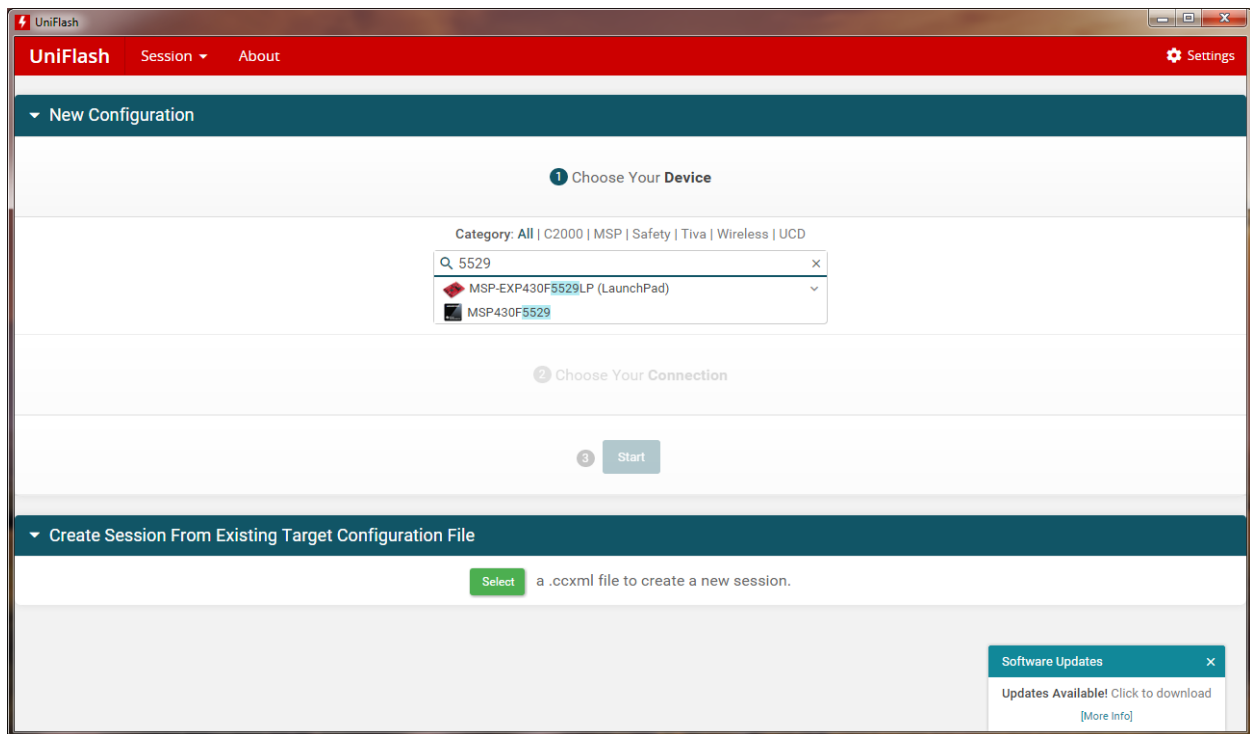
PRiME-CSaAF: Programming Launchpad

This document describes how to program the TI Launchpad which is inside the PRiME-CSaAF component. This requires physical access to the Launchpad. If the PRiME-CSaAF is already assembled, the enclosure must be taken apart to access the Launchpad. This manual assumes this has already been done. If the Launchpad is already installed on the PRiME-CSaAF USB7856-Support board, the USB-7856 OEM board should be powered off.

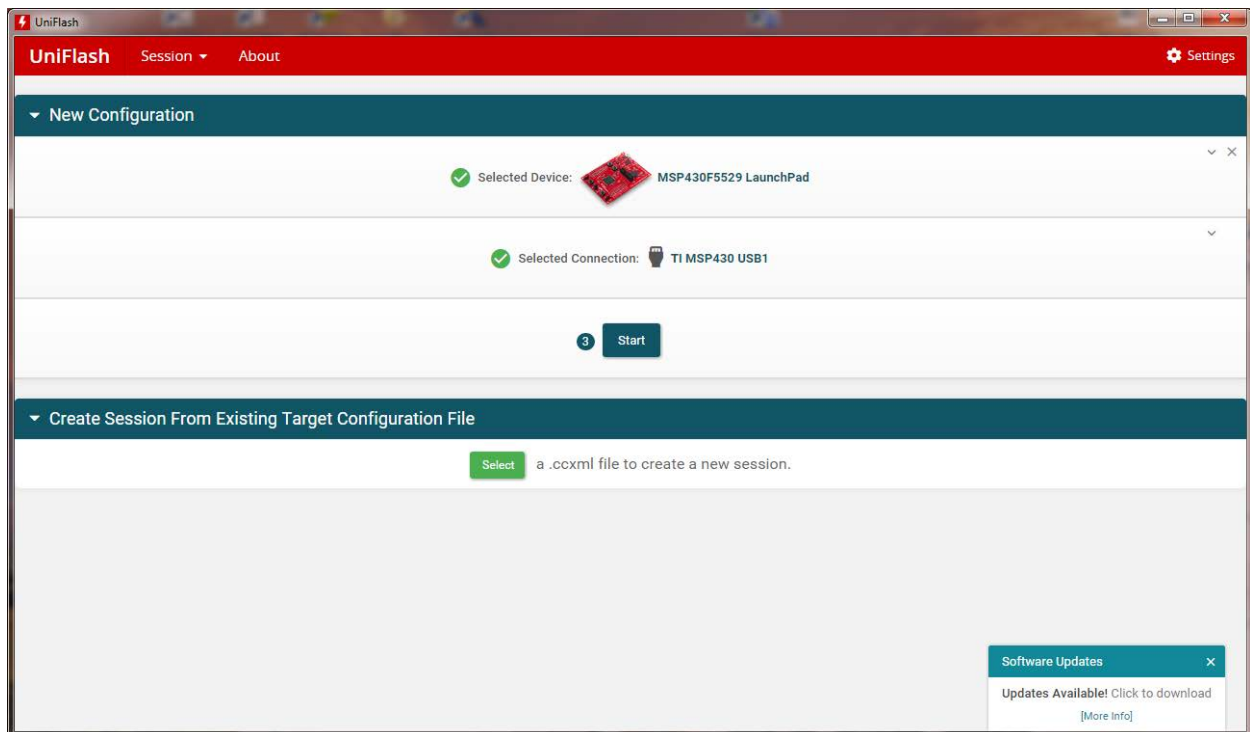
1. On the Launchpad board, the bank of jumpers must be set to properly program the microcontroller. The GND, 5V, RXD, TXD locations should already have jumpers positioned. Add jumpers to SBW_RST and SBW_TST. When jumpers are positioned, they cover both pins. If a jumper covers only a single pin, it is not in position. This is typically done as a convenient way of storing the jumper for later use. The following image shows the Launchpad ready for programming.



2. Using a USB cable (USB-A to USB-Micro), connect the Launchpad to a PC.
3. If not done already, install Texas Instruments [UniFlash](#) program. This program is free, but may require a simple online registration with Texas Instruments to download.
4. Start the Uniflash program. In the search box under “Choose Your Device”, enter “5529” and select the “MSP-EXP430F5529LP (LaunchPad)” item.

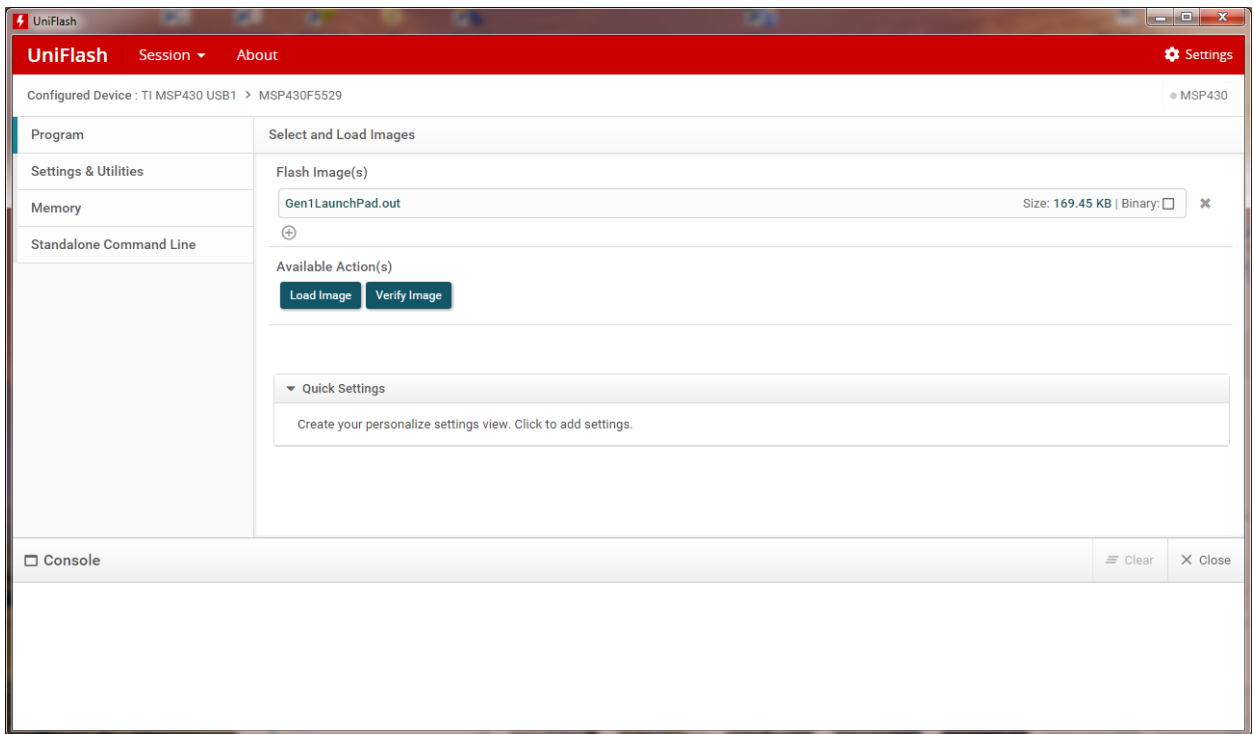


5. Under “Choose Your Connection”, choose the appropriate USB connection (probably TI MSP430 USB1).

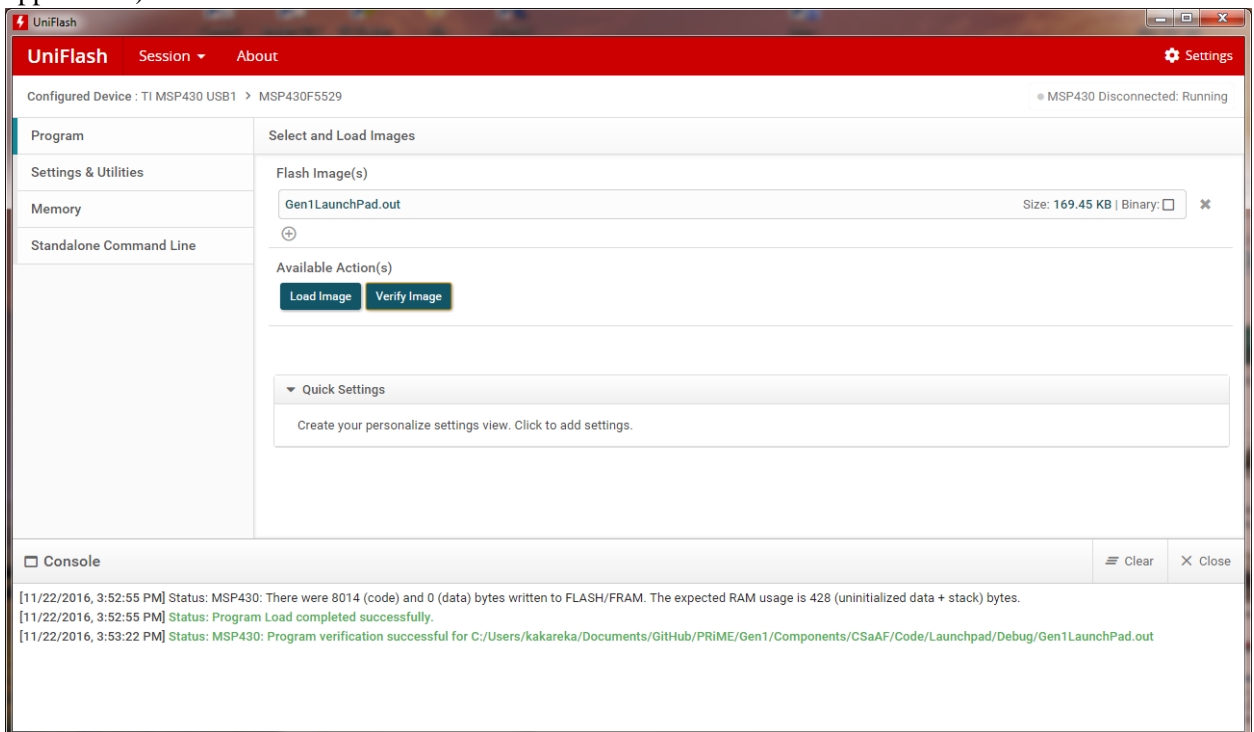


6. Click “Start”

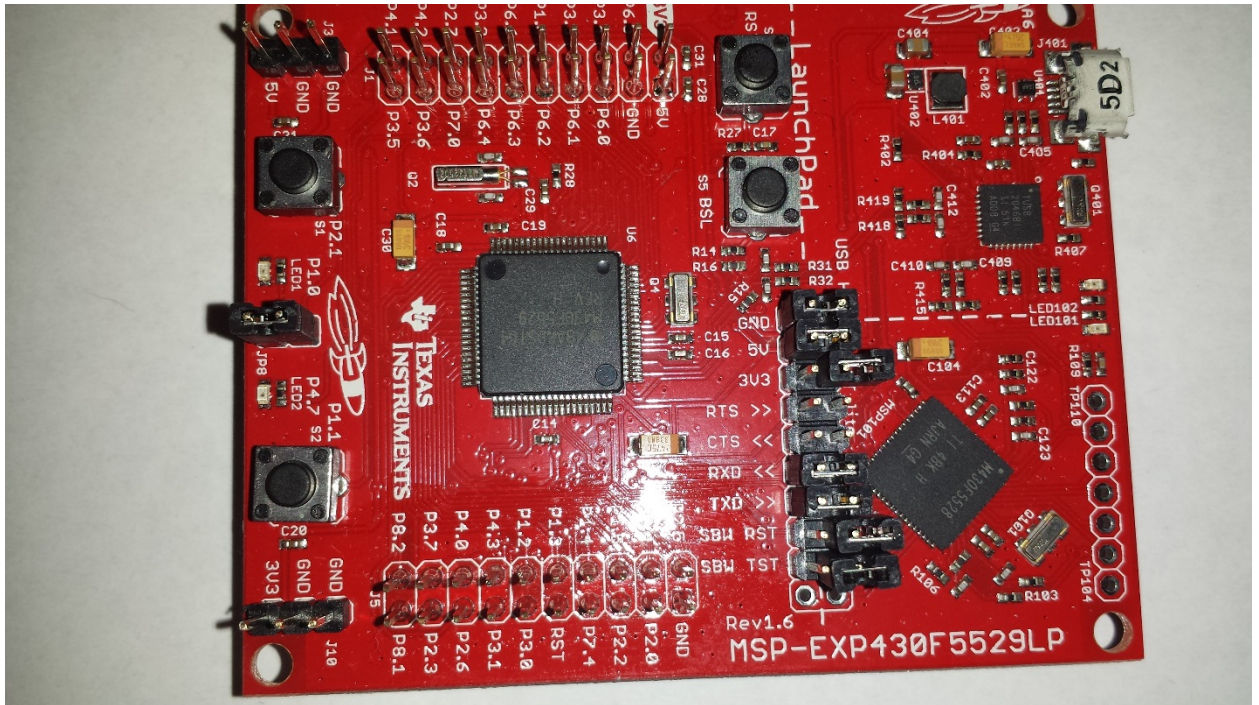
7. Choose Browse and select the “Gen1LaunchPad.out” file.



8. Choose “Load Image” and wait for successful upload (look in Console area at bottom of the application).



9. Remove the jumpers from SBW_RST and SBW_TST.



10. Remove the USB cable.
11. The Launchpad is now ready for use.