

TMP006 BoosterPack Quick Start Guide

Meet the TMP006 BoosterPack

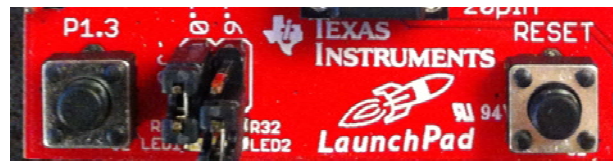


1. The Demo Application

LED1 ON - indicates the firmware is running in Data Streaming mode
LED1 OFF - indicates the firmware is running in Data Logging mode

The TMP006 BoosterPack Red and Green LED indicate if the target temperature is hotter or colder than the initial temperature reference. This initial temperature reference can be re-calibrated by pressing the RESET button.

Under data logging mode, it samples approximately every 4 seconds.



Switch Modes

Mode Indicator

Recalibrate

2. Software and Driver Installation

Go to www.ti.com/tmp006. Here, you can download the latest version of TMP006 BoosterPack firmware

3. Configuring LaunchPad

- Requires LaunchPad. www.ti.com/launchpadwiki
- LaunchPad rev1.4 and below requires cross jumpering the UART lines.
- Switch to hardware UART through J3 jumpers
- Remove P1.6 jumper for I2C operation
- Do not touch TMP006
- Replace the existing LaunchPad device with the pre-loaded firmware MSP430G2553 device inside the TMP006 BoosterPack
- Insert BoosterPack on top of LaunchPad

4. Connecting Hardware

Install the LaunchPad drivers included in the firmware package if needed. Connect LaunchPad using a USB cable to a Windows enabled PC. If prompted, please allow Windows to install the software automatically.

5. Re-Downloading or Modifying Firmware

The quickest way to re-download firmware image is to use MSP430Flasher.bat inside bin/firmware folder.

To open the project files and re-compile the firmware, download free and unrestricted compilers & debuggers, including:

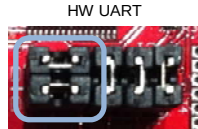
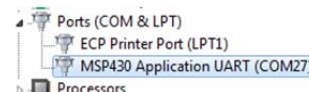
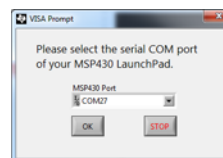
- Code Composer Studio™ version 5.2 (CCS)
- IAR Embedded Workbench v5.40.3

6. Installing BoosterPack GUI

Execute setup.exe inside gui_installer folder

7. Starting The Demo Application

- Determine LaunchPad COM port through the Windows Device Manager
- Launch TMP006 BoosterPack GUI software
- Select COM Port and OK



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