

Flashing Procedures for TMDSPCLKIT-V3

Agenda

- There are two options of flashing the TMS320F28069CC on the TMDSPCKIT-V3
 - Option 1: Flashing using *CodeSkin* programmer
 - Option 2: Flashing using the *PLC Quality Monitor* (PQM) shipped with the *PLC Host Tools**

* **Option 2 requires option 1 to run before (one time on a virgin TMDSPCKIT-V3)**

Option 1

Flashing using *CodeSkin* programmer

1. Preparation of HW and SW

1. Go to <http://www.codeskin.com> and download latest **C2Prog** release
(in this document version 1.4e-b80 is used)
2. Install it
3. Start it

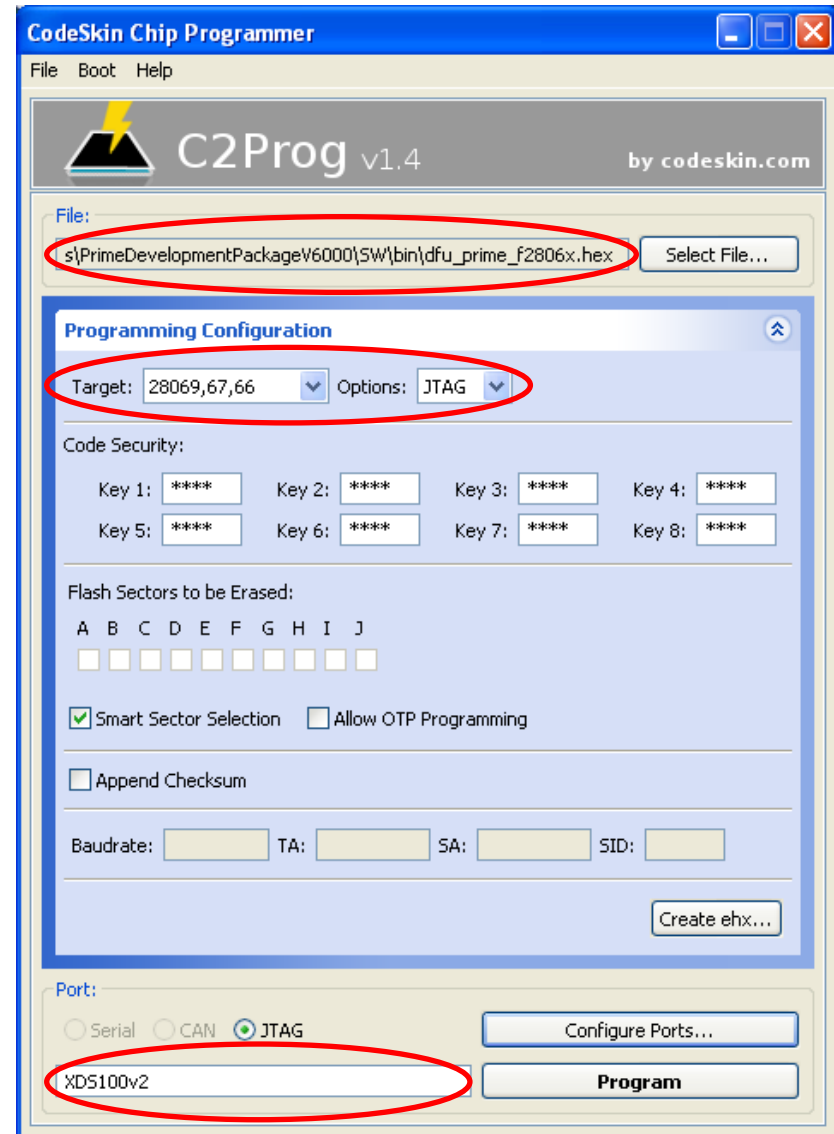
4. Connect **SCI-B** (USB port) via an USB cable to your computer
5. Power up the TMDSPCKIT-V3

3. C2Prog GUI

1. Select your *.hex file you want to flash from the software package installed in directory c:\Texas Instruments\...
2. Select your target processor, e.g. **28069,67,66** and **JTAG** as the programming interface. Other processors like **28027** or **28035** can be also used, of course.

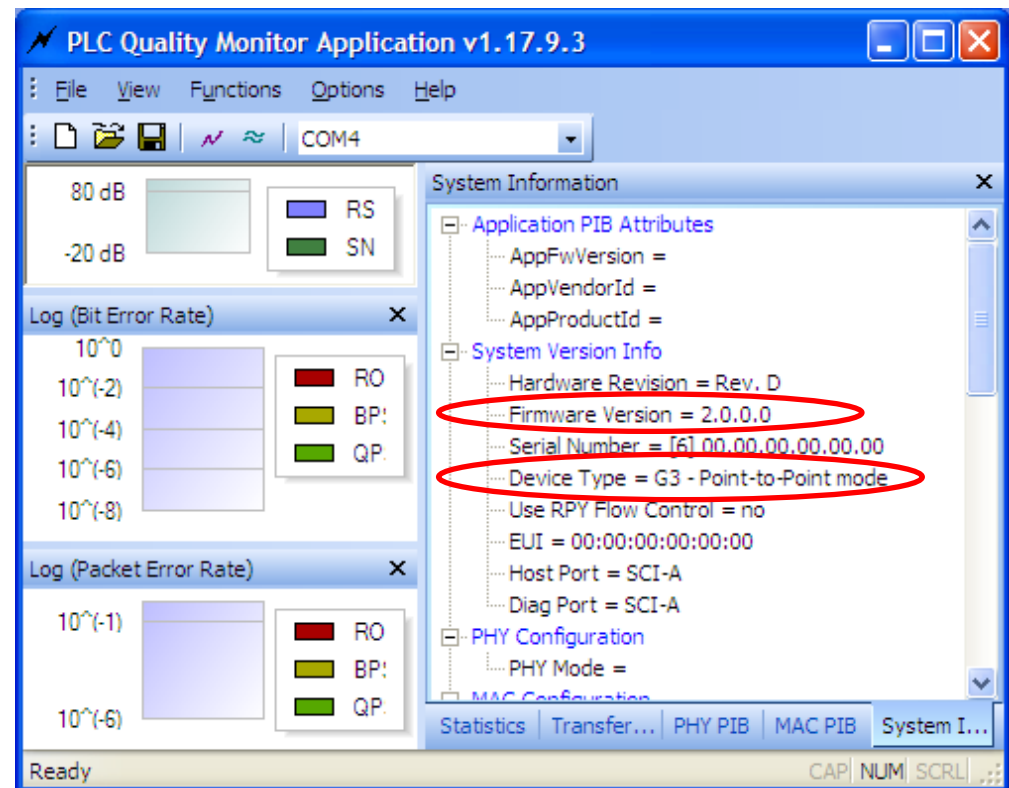
3. Select **XDS100v2** as port

4. Press **Program**



4. Finishing

- Once the download is complete
 - close *C2Prog*
 - power cycle TMDSPCKIT-V3
- The new firmware is now ready to use
- You can verify FW version with PQM (here G3 v2.0.0.0)



Option 2

Flashing using the *PLC Quality Monitor (PQM)*

Preparation

- Before the feature *firmware update using PQM* can be used, software has to be downloaded using [Option 1](#). This must be done only once.
- Please follow [Option 1](#) and use the *dfu_prime_f2806x.hex* located in the PRIME distribution, shipped with the TMDSPCKIT-V3 as file to download (directory: <PRIME installation folder>\SW\bin), even if you intend to change to G3 standard
- Once done please come back to this slide

Flashing

- Start *PQM*
- Select menu *Functions / Flash Firmware*
- Select your *.srec file to download
- Press **Flash**
- After flashing finished
 - Power cycle TMDSPCKIT-V3
 - Restart PQM

