

Getting Started

TLE983x Evaluation Board

for TLE983x Devices

V1.2

20. Dec. 2011



Getting Started with TLE983x Evaluation Board

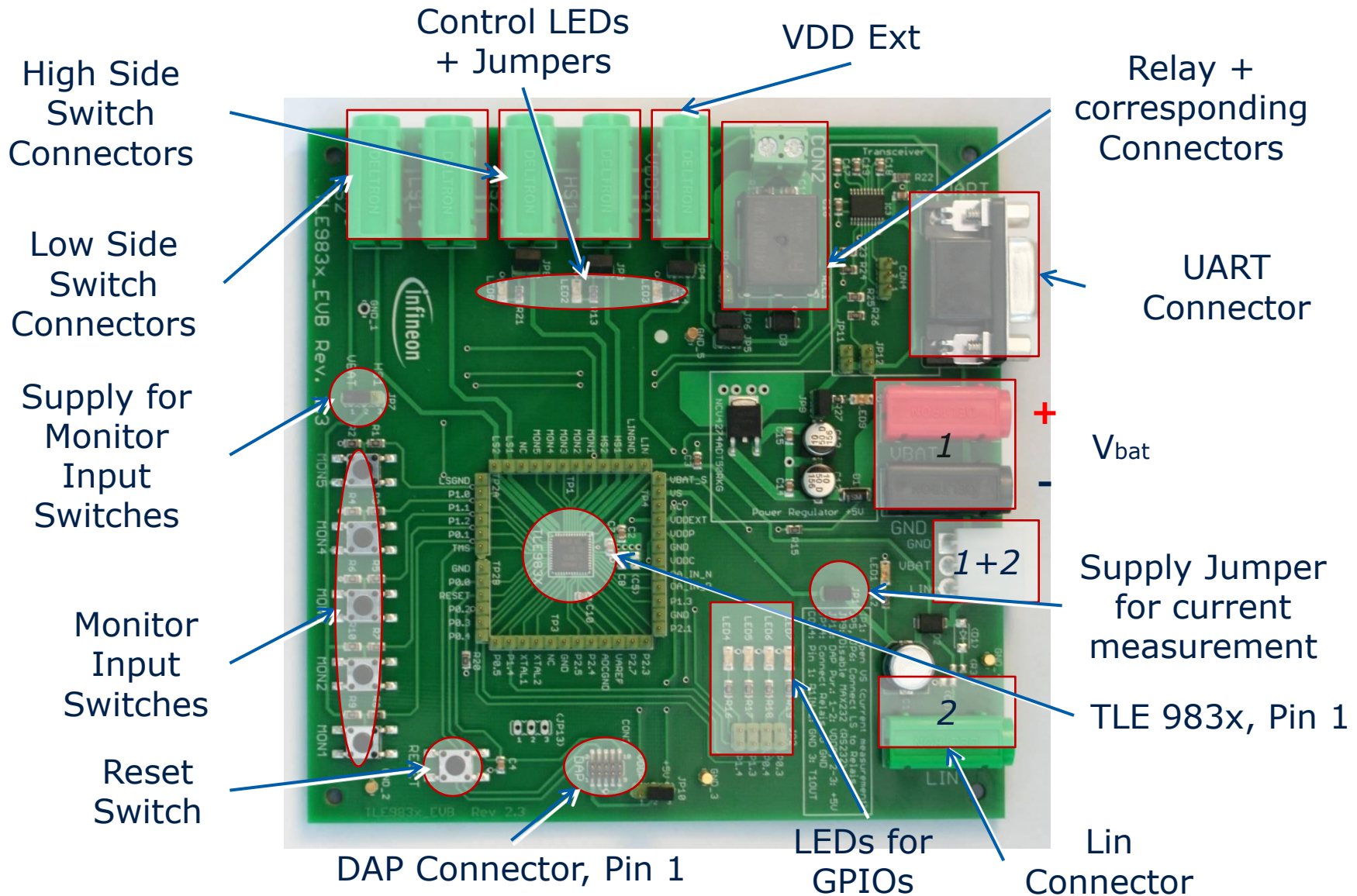


- Hardware

- Development Tools (Example based on Keil PK51)

- Downloading the Firmware

1st Step – Hardware - TLE983x Evaluation Board



1st Step – Hardware – Setup Sequence

- 1) Connect the DAP adaptor to the miniWiggler (pin 1 to red wire)

Find more information on the miniwiggler (source of supply and technical information) on

<http://www.infineon.com/miniWiggler>

- 2) Supply the board on V_{Bat} (6V-27V DC)
- 3) Connect the miniWiggler to the PC

2nd Step: Start Keil & uVision

- Download



<https://www.keil.com/demo/eval/c51.htm>

Please note that there are download flash size restrictions with the free of charge Keil Demo Version

- Install Keil PK51 IDE Package after registration
- Or install Keil production release (without download flash size restrictions)
- Install IFX DAS from <http://www.infineon.com/DAS>
- Current version is V3.3.1
- Start µVision

Note: DAS, Keil and DAVE are also included in the Evaluation-Board-CD in the folder X:\Tools

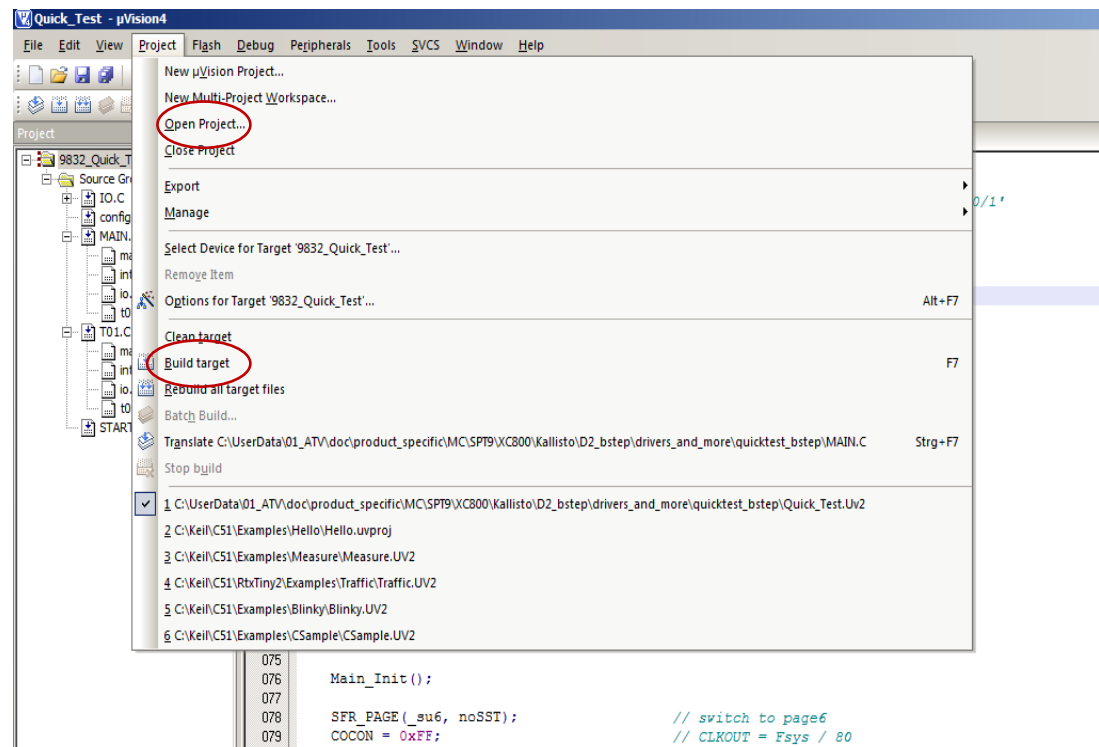
2nd Step: Development Tools – Setup with Keil



- 1) Start the μ Vision tool from Keil
- 2) Start or create a project
- 3) Write or modify the code
- 4) Build the project

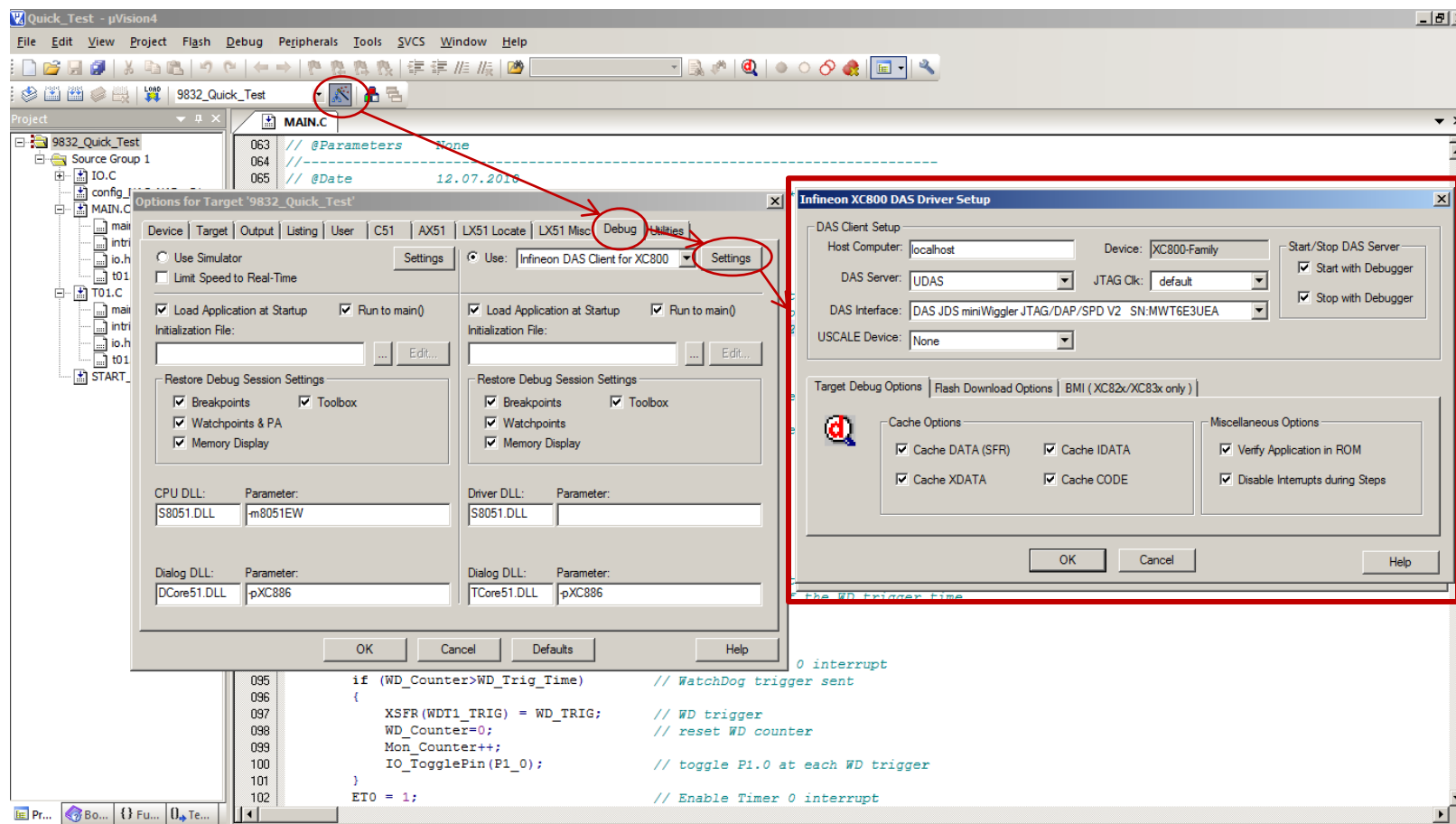
2nd Step: The Project

- Create or open a project
- Build the binary



2nd Step: Debug Options

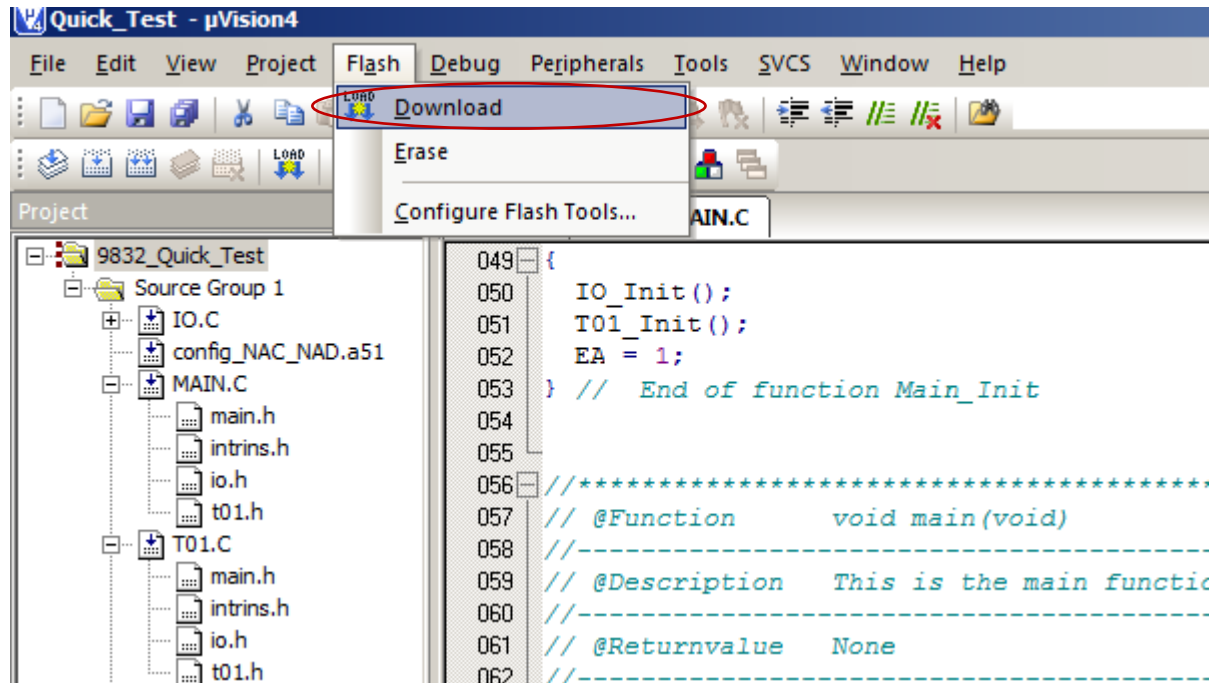
Debug Option 1: Infineon miniWiggler with Keil PK51 µVision



Debug Option 2: iSystem (see iSystem's User's Manual)

3rd step: Download the FW - Final Progress

Download to the target via Infineon miniWiggler can be started in the μ Vision **Flash** option on top of the window.



- Board Schematic
- and Layout

of the TLE983x Evaluation Board

See Evaluation-Board-CD in the folder:

X:\Documentation\Evaluation_Board\TLE983xEVB



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