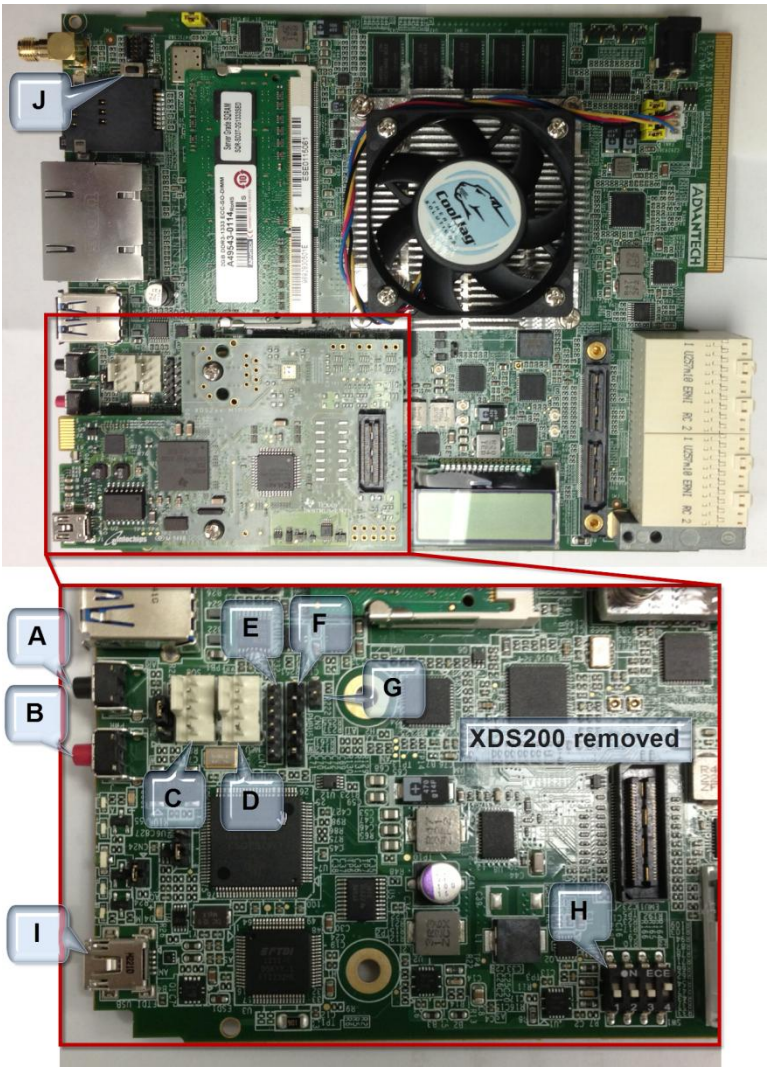
XTCIEVMK2X Evaluation Module Quick Start Guide

XTCIEVMK2X Evaluation Module



A	No Functionality	F	Reserve for factory programming
B	1 press: safe shutdown of SOC; 2 presses within 0.5sec: warm reset; 3 presses with 0.5 sec: full reset; 4 presses with 0.5 sec: cancel reset	G	MCU Reset Jumper for BMC field update
C	COM2: SoC UART Console	H	Dip switch for boot configuration: 0001: No Boot/JTAG DSP Little Endian Boot mode 0010: Uboot mode
D	COM1: MCU UART Console	I	Provide 2 console ports in USB interface (same as “C” and “D”)
E	Reserve for factory programming	J	MCU Reset: Resets the microcontroller and will reset the entire board

Two boot procedures are described below, one for Uboot and one for CCS.

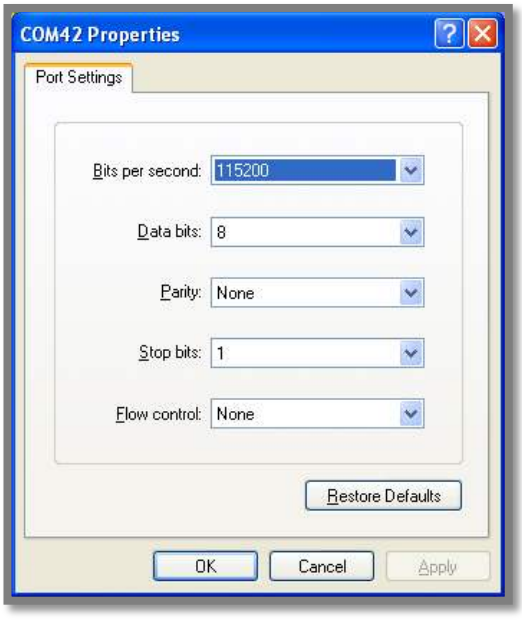
1) Uboot Steps:

1

Ensure EVM configuration switch are set as shown for NOR SPI Boot.

2

Connect the USB mini-B cable to FTDI_USB.

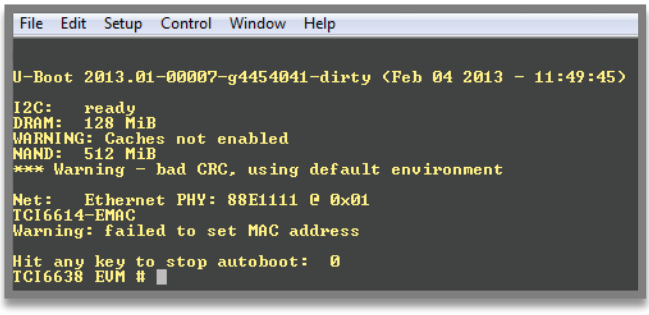


3

Open HyperTerminal, select COM port, configure settings.

4

Insert DC-in cable to apply 12V power.



5

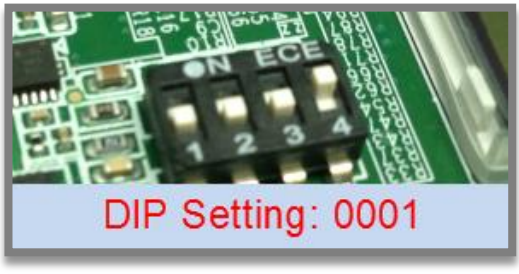
Hit any key to stop auto-boot when prompted. EVM is now ready for Uboot applications.

MCSDK Downlink Page:
http://software-dl.ti.com/sdoemb/sdoemb_public_sw/mcsdk/latest/index_FDS.html

2) CCS Steps:

1

Update or install CCS (V5.3.0.00090 or later) from MCSDK download page.



2

Ensure EVM configuration switch are set as shown for No Boot/JTAG DSP Little Endian Boot mode.

3

Connect the USB mini-B cable to XDS200.

4

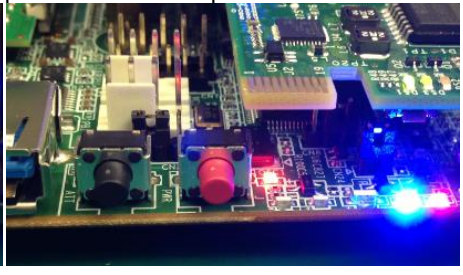
Insert DC-in cable to apply 12V power.

5

Launch CCS. After CCS is opened, EVM is now ready for use.

Note:

1. Refer to the following LCD and LED pictures for correct power-on behavior.



Getting Started:
Please see the 'Getting Started' chapter in the MCSDK User Guide:
http://processors.wiki.ti.com/index.php/MCSDK_User_Guide_for_KeyStone_II.

Important Notes when handling the EVM:

- Plug in all the cables before powering ON the EVM to ensure proper grounding.
- Do not unnecessarily flex the boards, while inserting cables. Excessive flexing can break the PCB traces.
- Use proper ESD procedures when handling the EVM.
- Warning: Some components on the EVM may be too hot to touch with your bare hand when power is on.

Online Documentation

- TMS320C663X processor website
  http://www.ti.com/product/tci6634k2k
  http://www.ti.com/product/tci6636k2h
  http://www.ti.com/product/tci6638k2k
- MCSDK website for updates
  http://processors.wiki.ti.com/index.php/MCSDK_User_Guide_for_KeyStone_II
- CCS v5
  http://processors.wiki.ti.com/index.php/Category:Code_Composer_Studio_v5

C663X EVM Information:
http://www.advantech.com/Support/TI-EVM/default.aspx

This link contains:

- Hardware & Software details
- User Guide
- Technical Reference Manual

TCIEVMK2X EVM Support:
Please write to EVM667xsupport@advantech.com.tw for technical queries related to this EVM.

[redacted]

TI Worldwide Technical Support

Internet
TI Semiconductor Product Information Center Home Page
support.ti.com
TI Semiconductor KnowledgeBase Home page
support.ti.com/sc/knowledgebase

Product Information Centers

Americas
Phone +1(972) 644-5580 Fax +1(972)927-6377
Internet/Email support.ti.com/sc/pic/americas.htm

Europe, Middle East and Africa
Phone

European Free Call	00800-ASK-TEXAS (00800 275 83927)
International	+49 (0) 8161 80 2121
Russian Support	+7 495 981 0701

Note: The European Free Call (Toll Free) number is not active in all countries. If you have technical difficulty calling the free call number, please use the international number above.

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Japan
Fax

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Domestic	0120-81-0036

Internet/Email

International	support.ti.com/sc/pic/japan.htm
Domestic	www.tij.co.jp/pic

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Domestic	Toll-Free-Number		Toll-Free-Number
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China	800-820-8682	New Zealand	0800-446-934
Hong Kong	800-96-5941	Philippines	1-800-765-7404
India	1-800-425-7888	Singapore	800-886-1028
Indonesia	001-803-8861-1006	Taiwan	0800-006800
Korea	080-551-2804	Thailand	001-800-886-0010

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