Getting Started:

The TMDSEVM6472LE ships with a Power On self Test (POST) flashed in to I2C EEPROM. The POST will be automatically executed when the board is powered ON. POST will perform memory test and internal EMAC loopback test. At 'power on' the user LEDs will be OFF by default. The LEDs will blink and turn OFF to indicate successful DSP booting.
Then after, User LED-1 will turn ON to indicate successful RAM test and User LED-2 will turn ON to indicate successful internal EMAC loop-back test. These LEDs will remain ON to indicate success of both the tests.

Please refer MCSDK Getting Started Guide and MCSDK User Guide for software installation and other details.

Helpful Hints:
• Plug in all the cables before turning the EVM ON to ensure proper grounding.
• Do not unnecessarily flex the boards, while inserting cables. Excessive flexing can break the PCB traces.

Online Documentation
Most of the information on TMDSEVM6472LE is available online. Some of the most commonly used resources are mentioned below:

TMDSEVM6472LE Information:
http://www.einfochips.com/TI-TMS320C6472-EVM.php

This link contains:
• Hardware & software details
• Technical Reference Manual
• TMS320C6472 Datasheet
• Frequently Asked Questions (FAQ)

C6472 DSP Information:
http://focus.ti.com/docs/prod/folders/print/tms320c6472.html

EVM6472 Support:
Please write to evm6472support@einfochips.com for technical queries related to this EVM.

eInfochips Address:
eInfochips Limited
303 Parishram Building, 5/B Rashmi Society,
Mithakhali Six Road, Navarangpura,
Ahmedabad - 380009
Gujarat, INDIA.
Tel: +91-79-2656 3705
Fax: +91-79-2656 0722

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.
Fax   +(49) (0) 8161 80 2045
Internet   support.ti.com/sc/pic/euro.htm

Japan
Fax
International   +81-3-3344-5317   Domestic   0120-81-0036
Internet/Email
International   support.ti.com/sc/pic/japan.htm
Domestic   www.tij.co.jp/pic

Asia
Phone
International   +91-80-413816651-
Domestic   Toll-Free-Number   Toll-Free-Number
Australia   800-999-084   Malaysia   1-800-80-3973
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
Fax   +886-2-2378-6808   Email   tiasia@ti.com
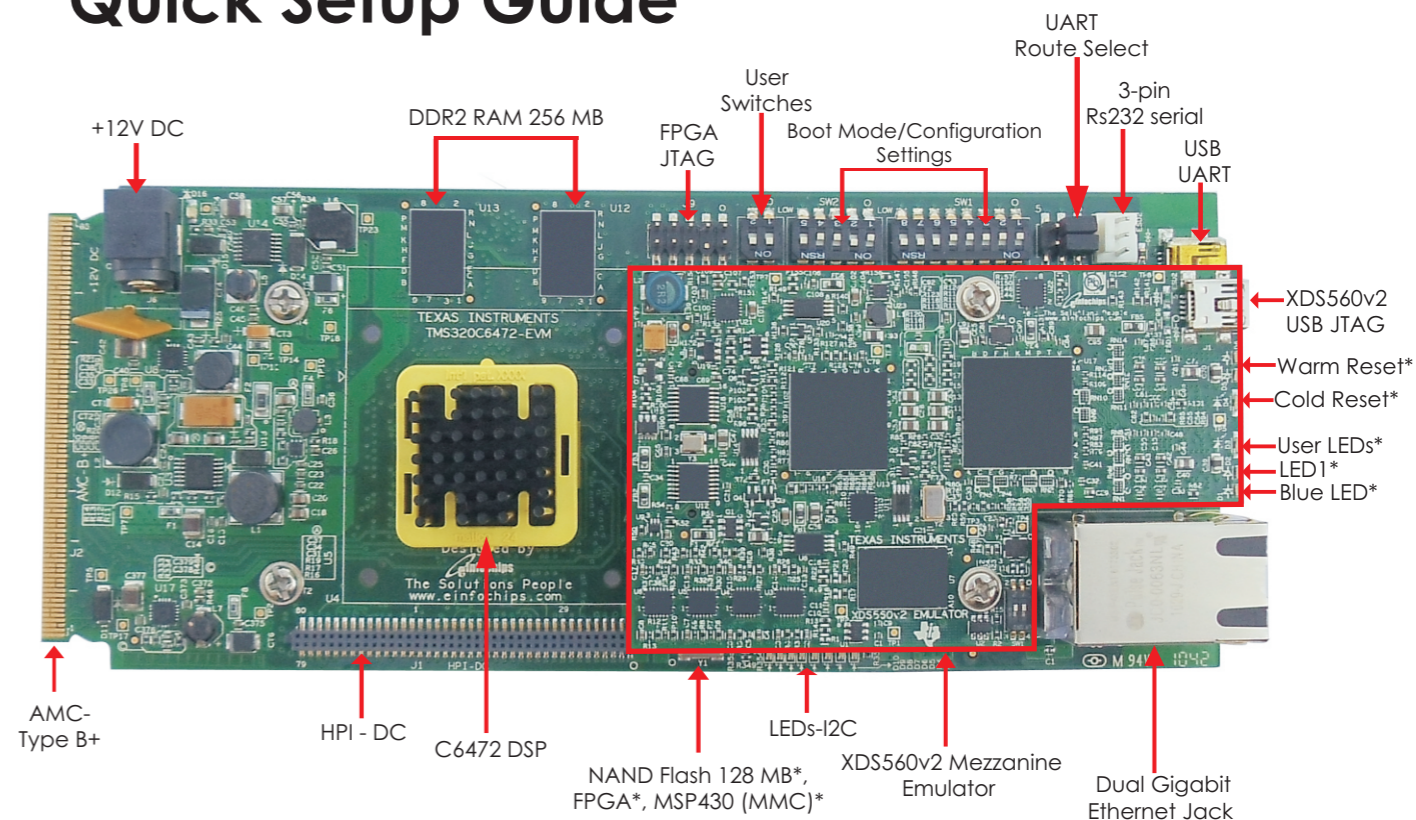   ti-china@ti.com
Internet   support.ti.com/sc/pic/asia.htm

TMDSEVM6472LE

TEXAS INSTRUMENTS

TMS320C6472 Evaluation Module (with integrated XDS560v2 Emulator) Quick Setup Guide

- +12V DC
- DDR2 RAM 256 MB
- User Switches
- FPGA JTAG
- Boot Mode/Configuration Settings
- UART Route Select
- 3-pin Rs232 serial
- USB UART
- XDS560v2 USB JTAG
- Warm Reset*
- Cold Reset*
- User LEDs*
- LED1*
- Blue LED*
- AMC-Type B+
- HPI - DC
- C6472 DSP
- NAND Flash 128 MB*, FPGA*, MSP430 (MMC)*
- LEDs-I2C
- XDS560v2 Mezzanine Emulator
- Dual Gigabit Ethernet Jack

(*Note: Beneath the emulator)
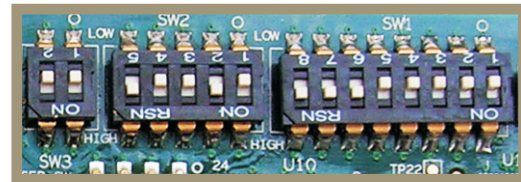
eInfochips | The Solutions People
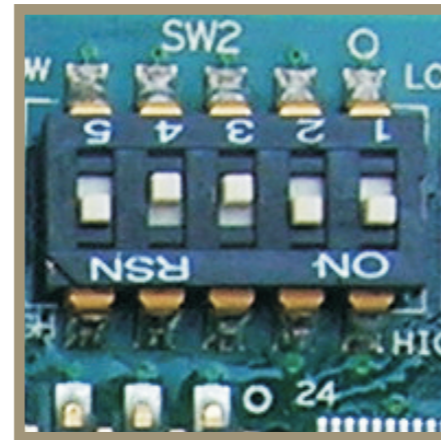
w w w . e i n f o c h i p s . c o m
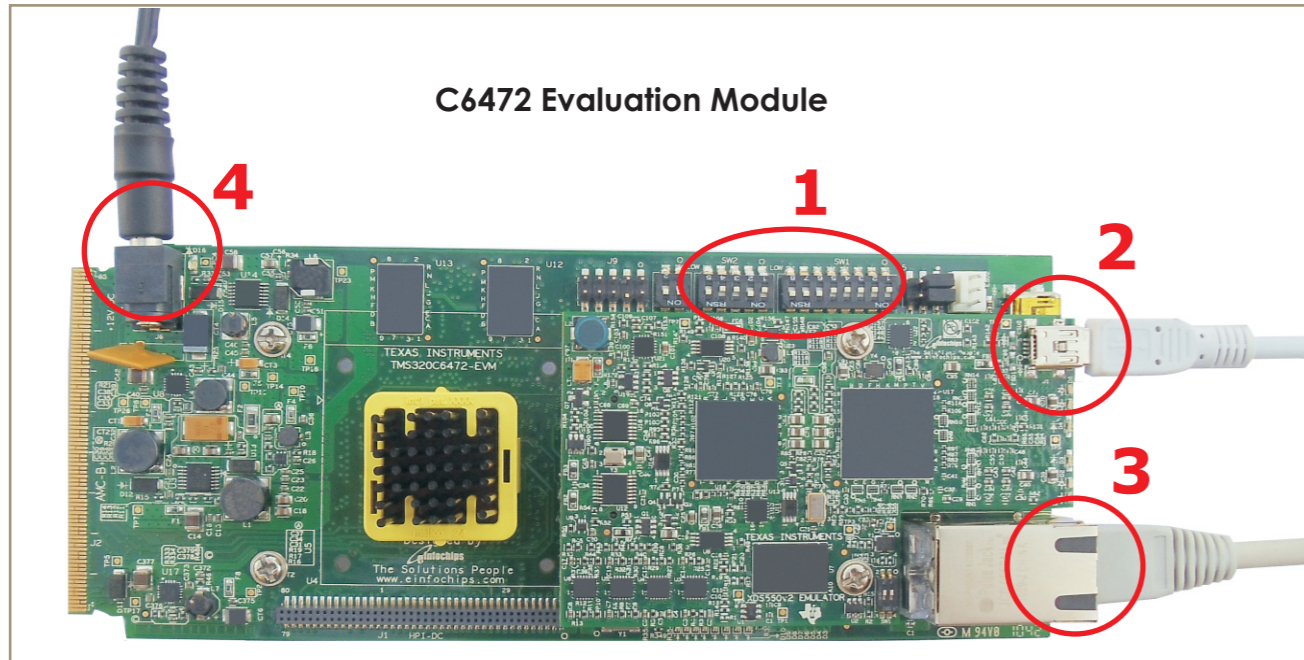
C6472 Evaluation Module

The TMDSEVM6472LE (Evaluation Module) kit includes:

- TMS320C6472 Evaluation Module with integrated XDS560v2 Emulator
- Power supply and power cord
- USB Cable for JTAG emulation
- Ethernet cable
- 3-Pin to 9-Pin DTE UART cable
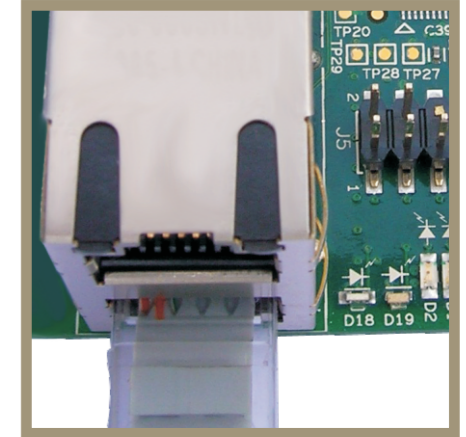- Software (DVD) and documentation

1a The TMDSEVM6472LE is also shipped with an Out-Of-Box Demo application flashed into NAND. This is a network based application which starts an HTTP server and a TELNET server with the static IP address 192.168.2.100. Be sure the first switch in the dual-switch SW3 is off.

In order to connect to the board, the test PC should be configured with a compatible static IP address such as 192.168.2.101.

Once the User LEDs blink and turn OFF (indicating successful NAND boot) the user can access the following URL through a browser to view the Out-Of-Box demo: http://192.168.2.100

3 Connect Ethernet switch / router / PC to the lower Gigabit Ethernet port (J3) of TMDSEVM6472LE board using an Ethernet cable to access EMAC0.

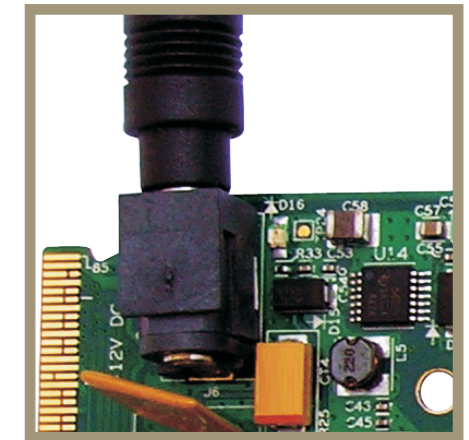**1** Ensure EVM configuration switches are set as shown to run Power On Self Test (POST).

1a To run Out-Of-Box demo through NAND, configure the switches as shown above.
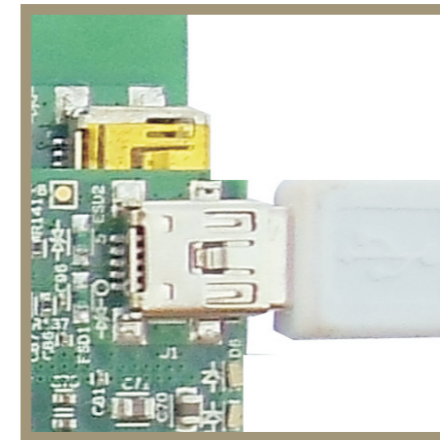
2 Connect the Mini-USB cable to J1 plug on XDS560v2 Emulator for high speed emulation, as shown in figure. (For use with CCS debugger only)

4 Connect the 12V DC power adapter (supplied with the kit) to power jack (J6).