Getting Started

The EVM ships with HUA out of box(OOB) demo and Power On Self Test(POST) preloaded. The HUA demo is loaded into NOR flash and the POST is loaded into EEPROM.

At power ON all User/Debug LEDs are ON by default. Once OOB/POST execution completes the User/Debug LEDs will turn OFF.

The default EVM boot mode/configuration switches are set such as to run HUA OOB demo automatically at power ON. To see the output of HUA demo please refer steps 1 to 5 presented in this Quick Setup Guide.

Please refer to the EVM User Guide for software installation and other details

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

- TMS320C6657 processor website
  http://www.ti.com/product/TMS320C6657
- MCSDK BIOS reference:
  http://e2e.ti.com/support/embedded/bios/default.aspx
- CCS support link:
  http://e2e.ti.com/support/development_tools/code_composer_studio/default.aspx

C6657 EVM Information:

http://www.einfochips.com/TI-TMDSEVMC6657L.php

This link contains

- Hardware & Software details
- User Guide
- Technical Reference Manual
- TMS320C6657 Datasheet

C6657 EVM Support:

Please write to evm6657support@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
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Email tiasia@ti.com
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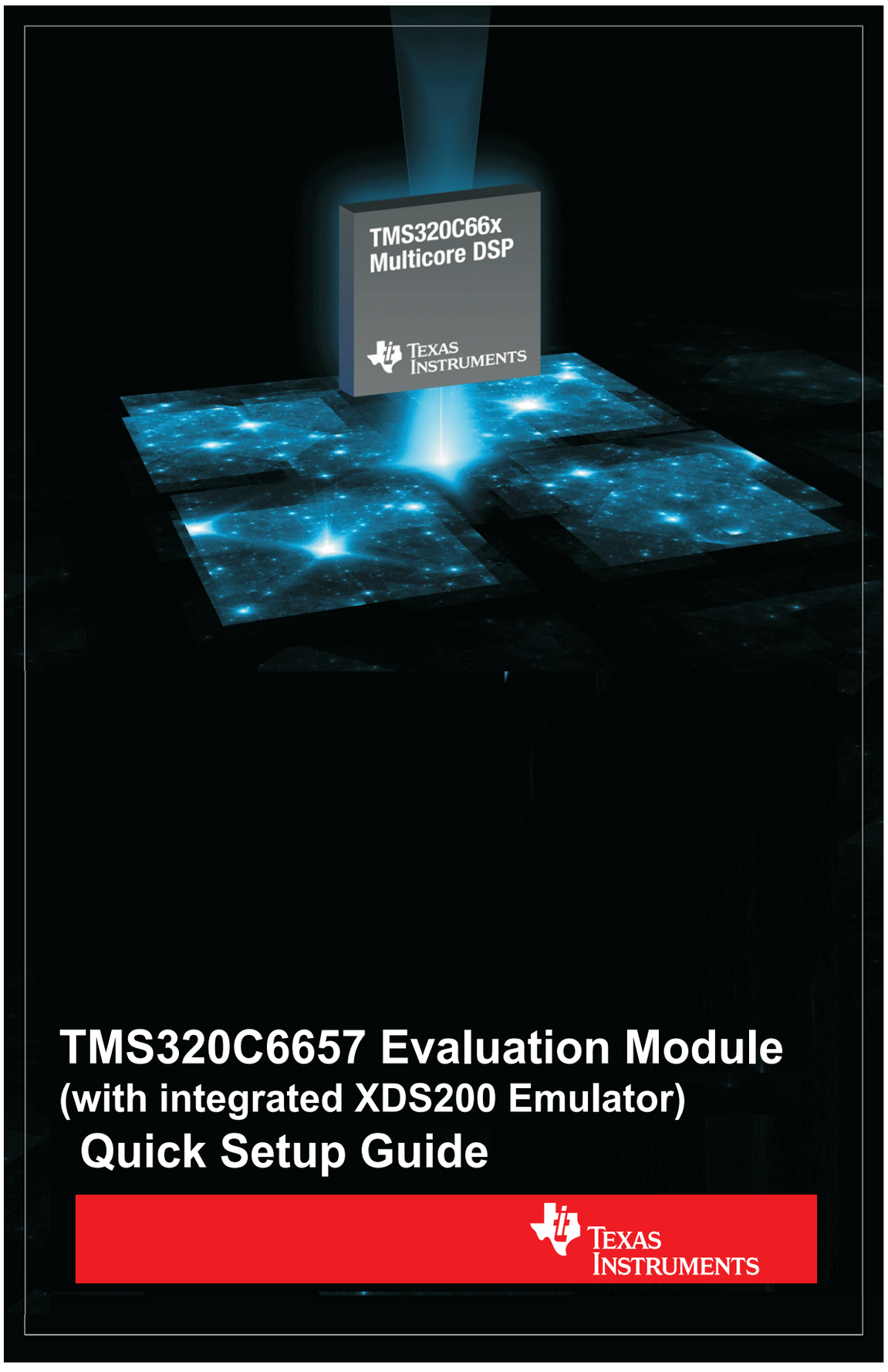
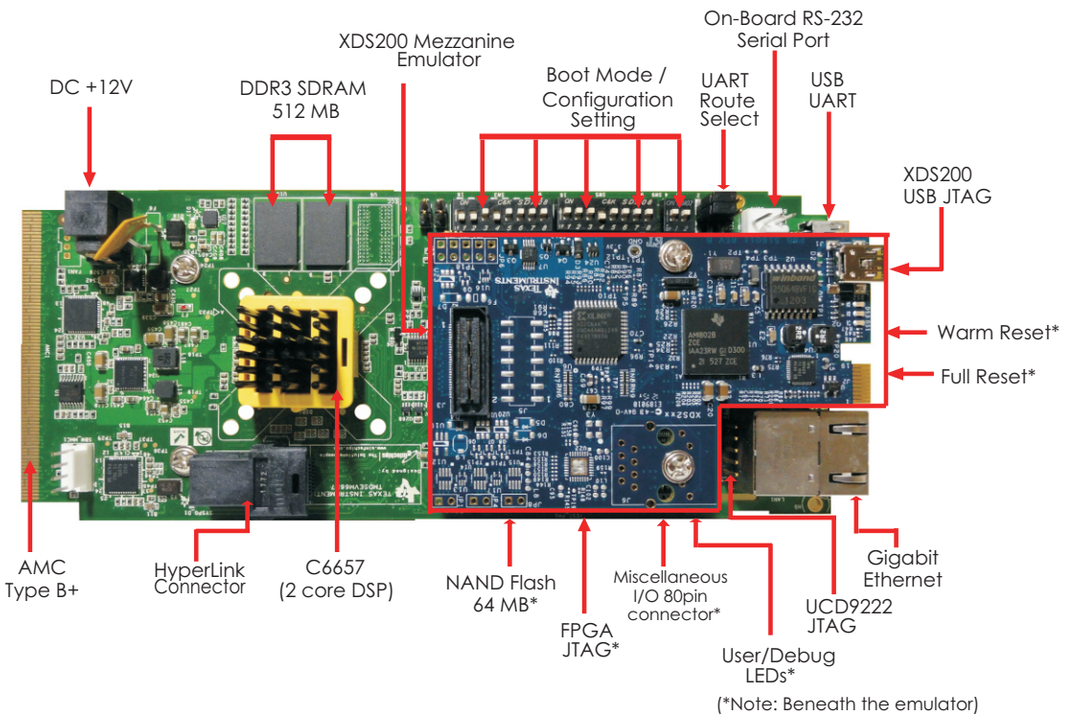


TMS320C6657 Evaluation Module
(with integrated XDS200 Emulator)
Quick Setup Guide

Texas Instruments

TMDSEVM6657LS

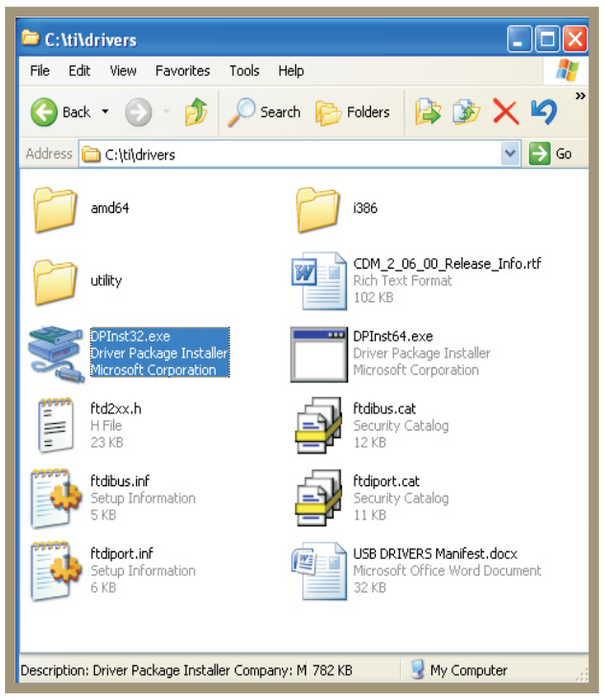
TMS320C6657 Evalution Module (with Integrated XDS200 Emulator)



(*Note: Beneath the emulator)

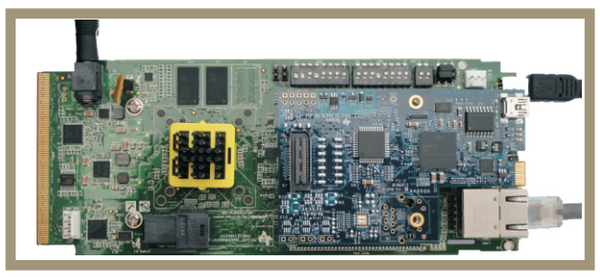
The TMDSEVM6657LS (Evaluation Module) kit includes:

- TMS320C6657 Evaluation Module with Integrated XDS200 Emulator
- Power adapter and power cord
- USB cable for on-board XDS100 JTAG emulation
- Ethernet cable
- RS-232 serial cable
- Software (DVD) and documentation



1

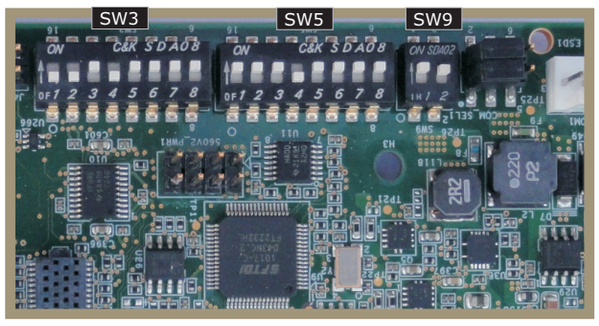
Insert the DVD and load the USB COM driver by executing the install program USB_COM_Driver.exe from the \drivers directory on the DVD. Follow the instructions to accept the Software License Agreement and unbundle the files into the directory chosen on your computer. Execute DPInst32.exe in the target directory to complete the installation. Use DPInst64.exe on 64-bit machines.

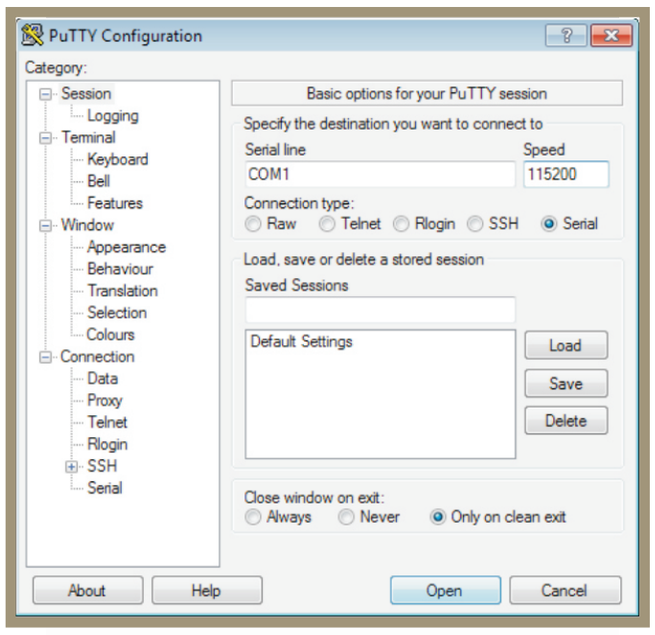


2

Connect the USB mini-B cable to USB1, Ethernet cable to Ethernet port (LAN1) and +12V DC power adapter to power jack(DC_IN1).

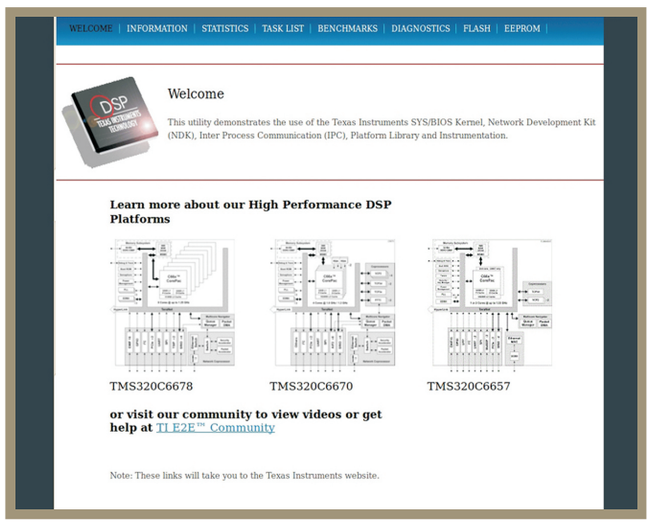
Ensure EVM configuration switches (SW3, SW5, and SW9) are set as shown.





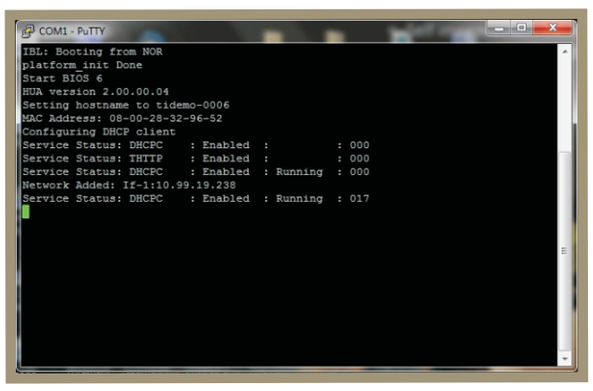
3

Open your preferred serial console window (TeraTerm, HyperTerminal, PuTTY) and connect to the COM port for the EVM using the these configuration settings.



5

Open the web browser, copy the IP address (10.99.19.238) from step 4 to the web browser.



4

Press RESET_FULL button on the EVM

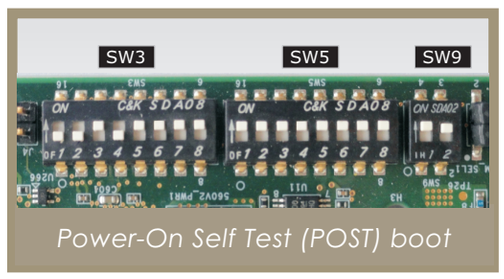
Allow 40 seconds for the BIOS Out-Of-Box (OOB) Demo to complete booting.

The demo acquires an IP address from server and displays it on console.If IP address does not display on console, re-press RESET_FULL button.

Copy the Network Added: If-1: IP address from serial console screen.

Notes:

1. Additionally, this EVM has Power On Self Test(POST) boot mode settings.
   The settings of the EVM configuration switches (SW3, SW5 and SW9) for power-on self test boot is shown as figure.
   Press the RESET_FULL button after changing switch settings and follow preferred serial console setting in step 3.



Power-On Self Test (POST) boot

2. Follow the READ_ME_FIRST instructions for installing tools, MCSDK 2.0 and demos on your PC.
3. Refer to the Getting Started Guide under MCSDK for details on boot configurations.
4. Visit the following website for the latest MCDSK updates:
   http://www.ti.com/tool/bioslinuxmcsdk