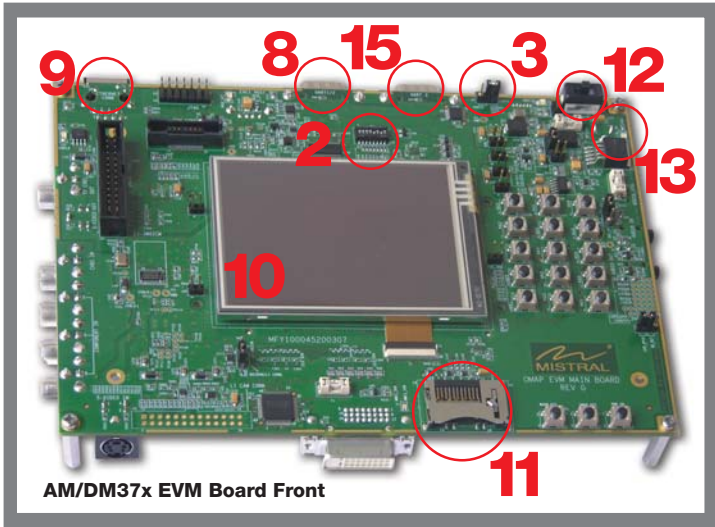
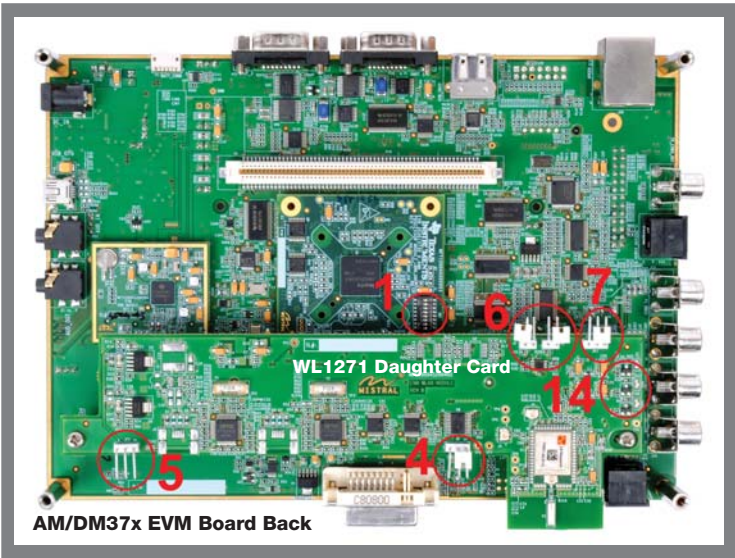
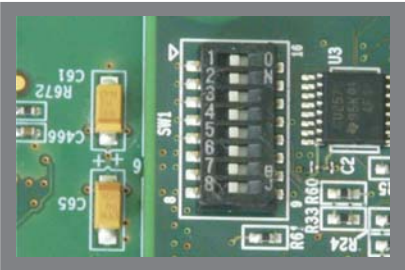


Welcome to the AM/DM37x Evaluation Module (EVM) Quick Start Guide. This guide is designed to help you through the initial setup of your EVM. This EVM allows you to experience a new graphical user interface complete with numerous demonstrations that showcase the AM/DM37x Cortex™-A8 processor, 3-D graphics accelerator and TMS320C6000™ DSP. The AM/DM37x EVM contains the following:

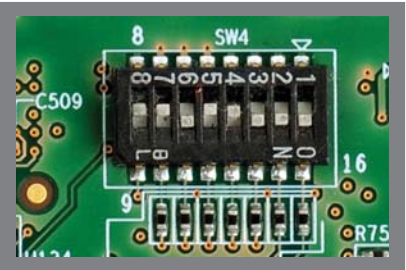
- Hardware
 - AM/DM37x EVM main board with
 - AM/DM37x processor module
 - TPS65950 power management module
 - WL1271 WLAN/Bluetooth® daughter card
 - 3.7" Touchscreen LCD
 - Linux SDK SD card
 - USB and serial cables
 - Stylus
 - Universal power supply with regional adapter
 - USB SD card reader
- Printed documents
 - AM/DM37x EVM Quick Start Guide (this document)
 - Linux SDK SD card content sheet
 - Software license agreement
- Software and soft copy documents
 - AM/DM37x Software Developer's Kit (SD card)
 - AM/DM37x EVM Hardware User's Guide (SD card)
 - AM/DM37x Software Developer's Guide (SD card)
 - Sourcery G++™ evaluation tools from CodeSourcery
 - Ubuntu 10.04 LTS CD



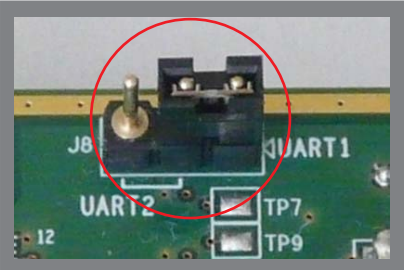
Default setup (Linux boot from SD card)



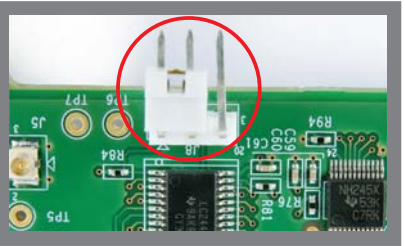
1 Verify SW1 DIP switch is set as shown. SW1 DIP is located on the AM/DM37x Processor Module located on the back of the AM/DM37x EVM.



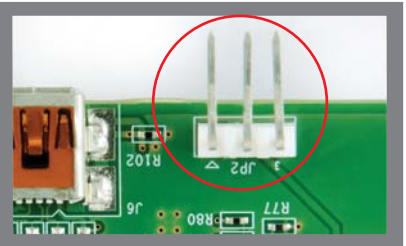
2 Ensure SW4 DIP switch is set as shown. SW4 DIP is located on the front of the AM/DM37x EVM main board.



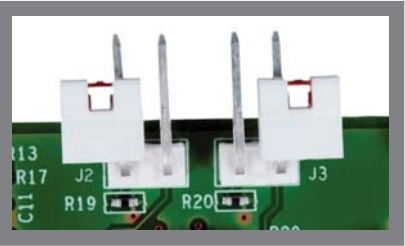
3 Verify UART1 is selected as shown. This jumper is located on the front of the AM/DM37x EVM.



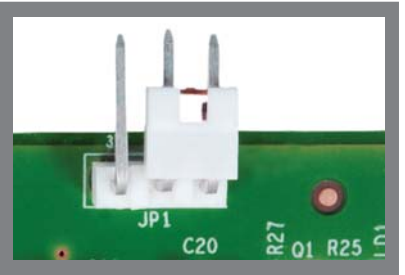
4 Ensure Jumper J8 on the WL1271 daughter card is positioned as shown. The WL1271 daughter card can be found on the back of the AM/DM37x EVM.



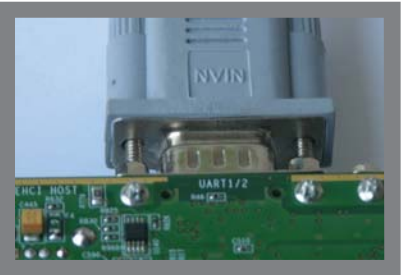
5 Verify JP2 on the WL1271 daughter card is not connected.



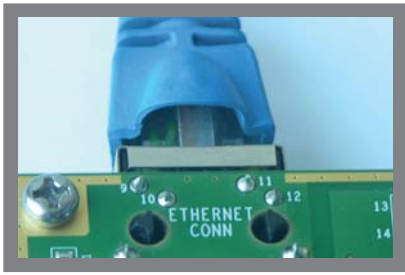
6 Check J2 and J3 of the WL1271 daughter card to ensure they are properly positioned.



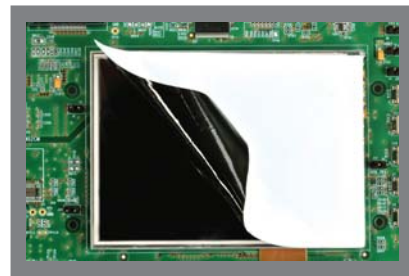
7 JP1 of the WL1271 daughter card should be positioned as shown.



8 Connect the supplied serial cable to the UART-1/2 DB-9 connector. Connect the other end of the cable to a PC or workstation.



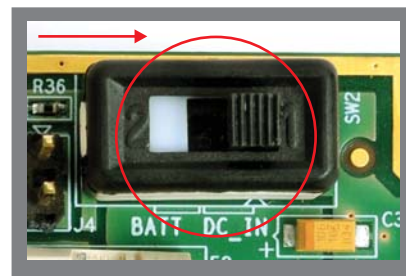
9 Connect an Ethernet cable (not supplied) to the RJ-45 jack on the board. Connect the other end to an Internet-ready connection (router/switch/direct).



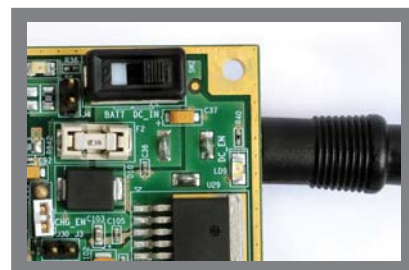
10 Remove the protective plastic from the LCD touchscreen.



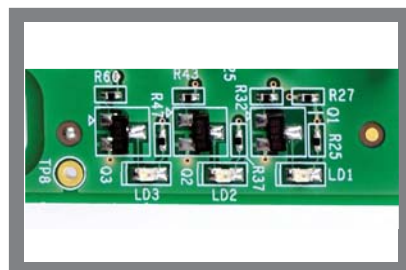
11 Insert the Linux SDK SD card into the AM/DM37x EVM as shown.



12 Set SW2 on the AM/DM37x EVM main board, as shown. Note: As this is not a power switch, it should be left in this position.



13 Connect the power cable to the power jack on the main board. It is recommended to complete this step before connecting the power source. As there is no power switch on the EVM, use the cord for power cycling the board.



14 On the WL1271 daughter card, LD2 indicates WLAN is ON. LD3 indicates Bluetooth® is ON. LD1 should be OFF.



15 You are now ready to explore the application launcher which contains various example applications and demos.†

†Some demos, such as DVSDK Encode Demos (in Multimedia icon) and DVSDK Edge Detection Demo (in DSP icon), require an external video source connected to the composite video input. Source can be NTSC/PAL camera or DVD/VCD player generating NTSC/PAL content, and is not included in the EVM kit.

For more information on AM/DM37x or to download the latest software, please visit www.ti.com/dm37; www.ti.com/am37x.

For information regarding the WL1271 solution, visit: www.ti.com/connectivitywiki.

For support questions, please contact: support.ti.com or www.ti.com/e2e.

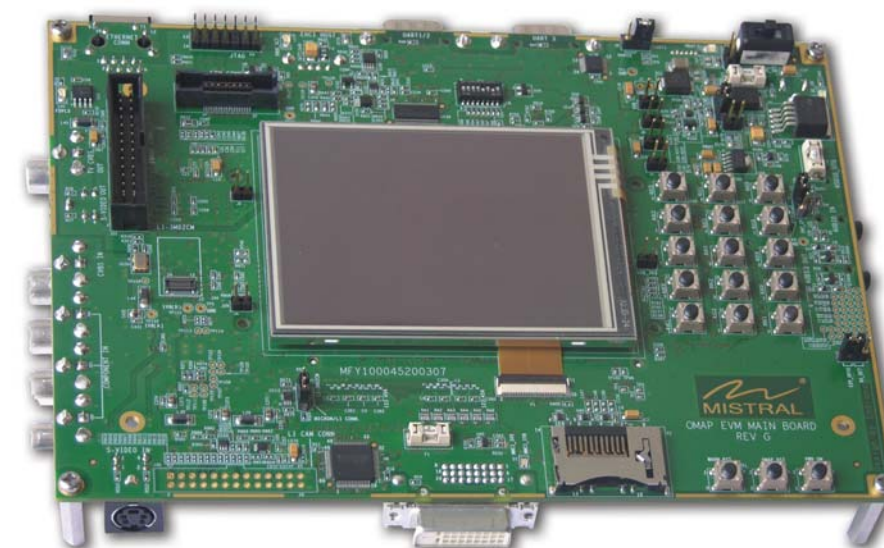
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www.ti.com/am37x



 **TEXAS
INSTRUMENTS**

AM/DM37x Evaluation Module Quick Start Guide