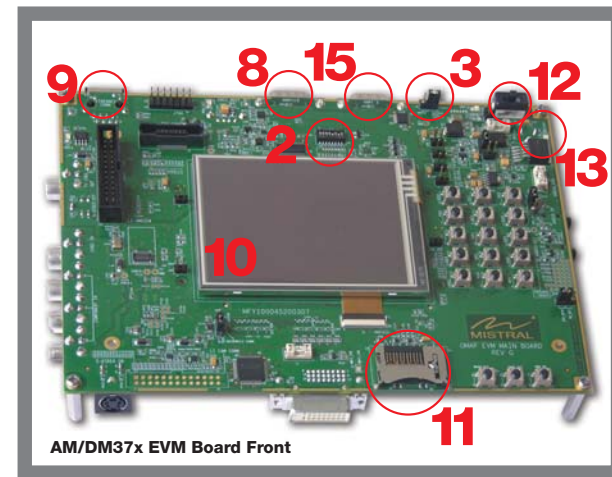
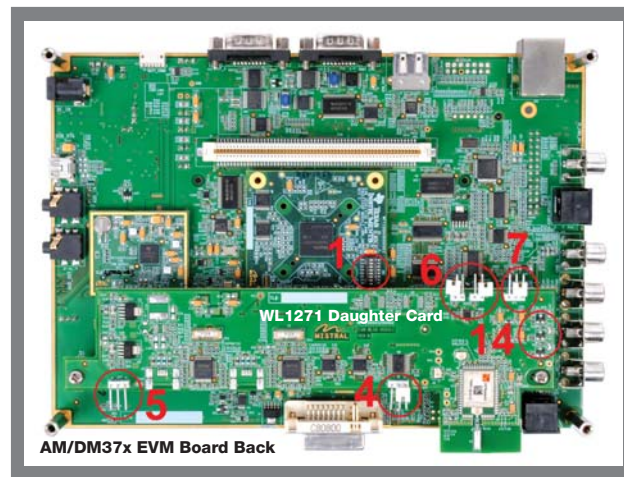
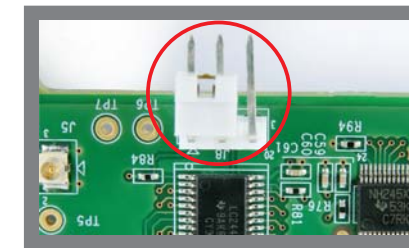


Welcome to the AM/DM37x Evaluation Module (EVM) Quick Start Guide. This guide is designed to help you through the initial setup of your EVM. This EVM allows you to experience a new graphical user interface complete with numerous demonstrations that showcase the AM/DM37x Cortex™-A8 processor, 3-D graphics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

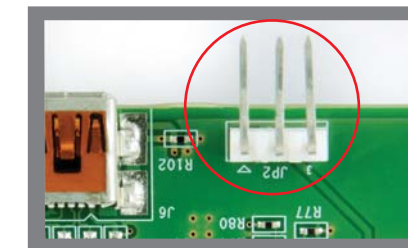
- Hardware
 - AM/DM37x EVM main board with
 - AM/DM37x processor module
 - TPS65950 power management module
 - WL1271 WLAN/Bluetooth® daughter card
 - 3.7" Touchscreen LCD
 - USB and serial cables
 - Stylus
 - Universal power supply with regional adapter
 - USB SD card reader
- Printed documents
 - AM/DM37x EVM Quick Start Guide (this document)
 - SD card contents sheet
 - Software license agreement
- Software and soft copy documents
 - AM/DM37x Linux™ Software Development Kit (SDK)
 - AM/DM37x Android™ Development Kit
 - AM/DM37x Windows® CE 6.0 SDK
 - Sourcery G++™ evaluation tools from CodeSourcery
 - Ubuntu 10.04 LTS CD



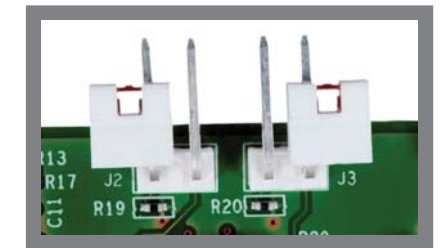
Default setup (OS boot from SD card) continued



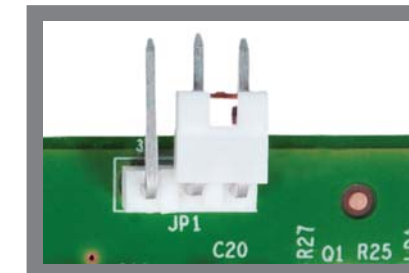
4 Ensure Jumper J8 on the WL1271 daughter card is positioned as shown. The WL1271 daughter card can be found on the back of the AM/DM37x EVM.



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



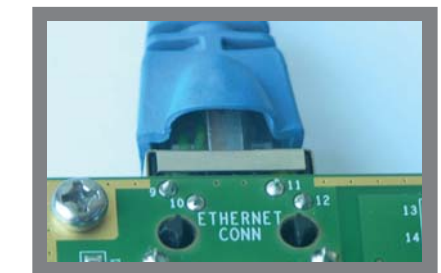
6 Check J2 and J3 of the WL1271 daughter card to ensure they are properly positioned.



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

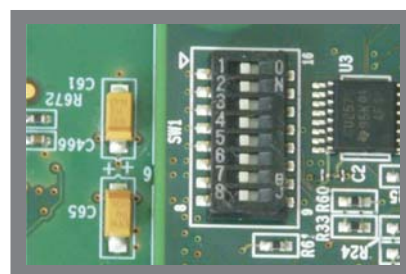


8 For Linux or Android development, connect the supplied serial cable to the UART-1/2 DB-9 connector. For WindowsCE development, connect to UART-3. Connect the other end of the cable to a PC or workstation.



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).

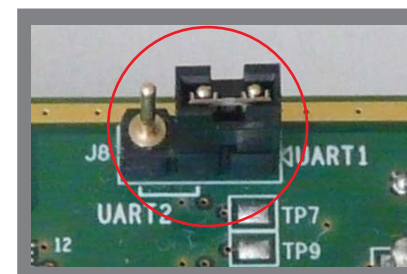
Default setup (OS boot from SD card)



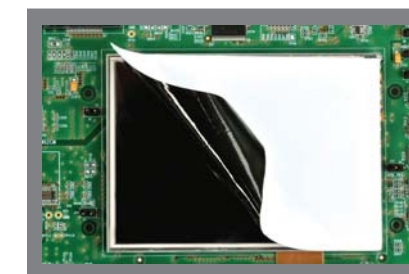
1 Verify SW1 DIP switch is set as shown. SW1 DIP is located on the AM/DM37x Processor Module located on the back of the AM/DM37x EVM.



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



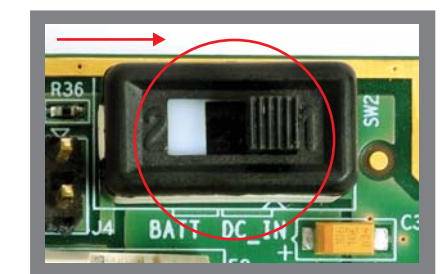
3 Verify UART1 is selected as shown. This jumper is located on the front of the AM/DM37x EVM.



10 Remove the protective plastic from the LCD touchscreen.

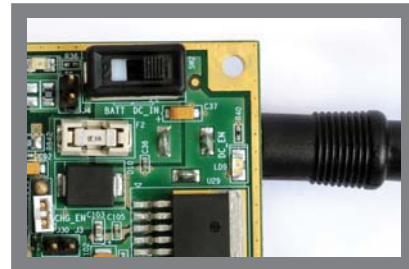


11 Choose the OS and insert the SD card into the AM/DM37x EVM as shown.

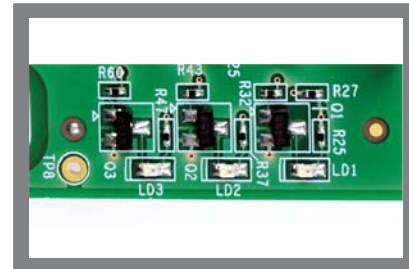


12 Set SW2 on the AM/DM37x EVM main board, as shown. Note: As this is not a power switch, it should be left in this position.

Default setup (OS boot from SD card) continued



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 corresponding OSs which include various example applications and demos (Matrix GUI shown).[‡]



16 **Next Steps**
To prepare for software development, power off the kit, remove the SD card and insert it into the included SD card reader. Follow the instructions below for the corresponding OS:

- **Android™ Development Kit**
If the Android SD card is connected to your host PC, locate the START HERE folder on the SD card and view setup.htm. The setup.htm file provides information regarding board setup, steps to bring up Android on your EVM, locating sources, and developing/porting Android for platforms based on TI devices.
- **Linux™ Software Development Kit**
If the Linux SD card is connected to your Linux host PC, locate the START HERE folder on the SD card and run setup.htm
- **Windows® CE Software Development Kit**
From a Windows host PC, insert the reader into any unused USB port and from the START HERE folder, run setup.htm

[†]WLAN/BT is not enabled by default. Additional steps required.

[‡]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/dm37x; 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.

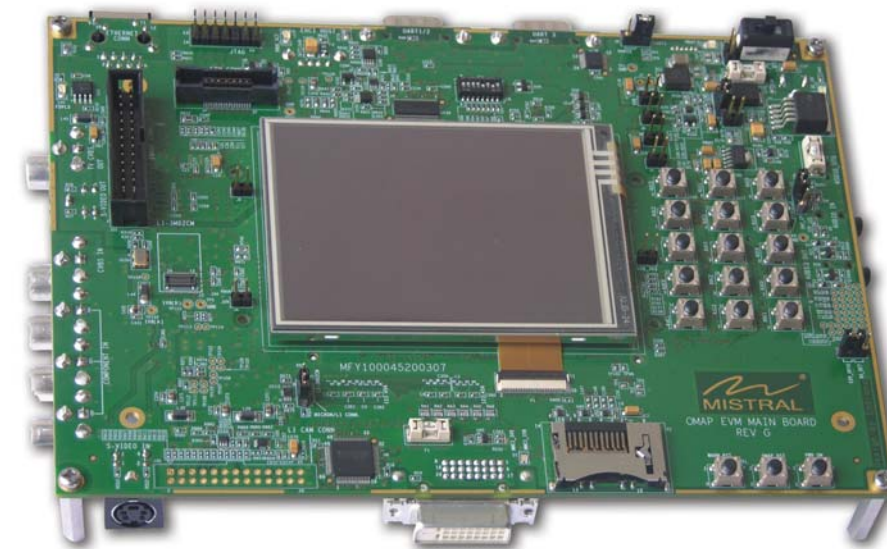
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For more information:
www.ti.com/dm37x
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 **TEXAS
INSTRUMENTS**

AM/DM37x Evaluation Module Quick Start Guide