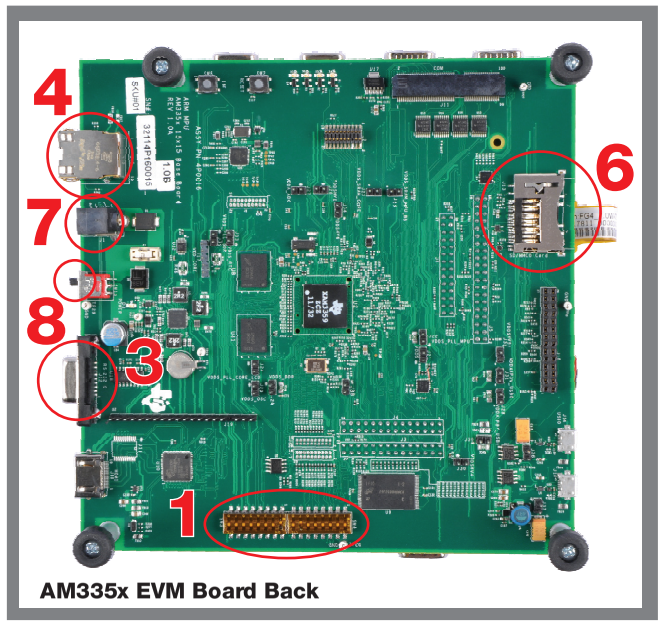
Welcome to the AM335x Evaluation Module (EVM) Quick Start Guide. This guide is designed to help you through the initial setup of your EVM. This EVM allows you to experience the Linux® operating system that showcases the AM335x Cortex®-A8 processor, 3D graphics, integrated peripherals and much more. The AM335x EVM contains the following:

- Hardware
  - AM335x general-purpose baseboard with:
    - Sitara™ AM3358 Cortex-A8 processor up to 1 GHz
    - TPS65910 power management IC
    - 1GB DDR3
    - 256MB NAND Flash
  - AM335x general-purpose daughtercard with:
    - additional I/O
    - audio
    - navigation
  - 7" WVGA LCD touchscreen daughtercard
  - USB and serial null modem cables
- Printed documents
  - AM335x EVM Quick Start Guide (this document)
  - Software license agreement
- Software and soft copy documents
  - AM335x Linux Software Development Kit (SDK)

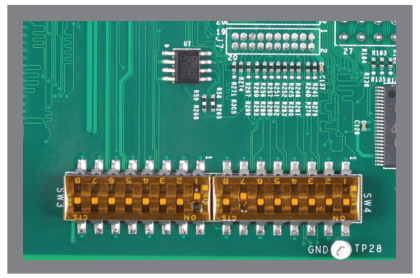


AM335x EVM Board Back

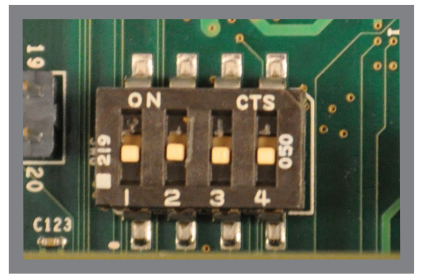
AM335x EVM Board Front

*2 SW6 switch is located beneath the flap

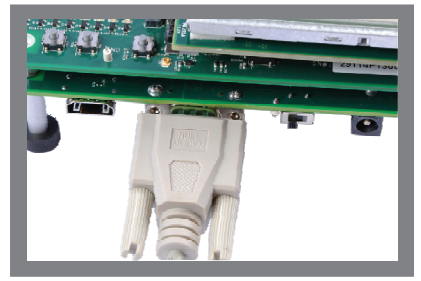
## Default setup (OS boot from SD card)



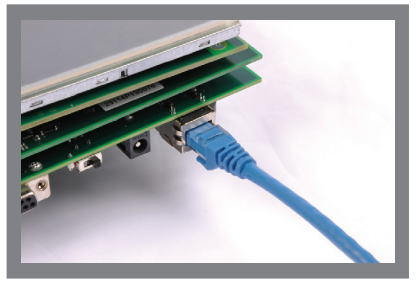
**1** Verify SW3/SW4 DIP switches are set as shown. SW3/SW4 are located on the back of the AM335x EVM.



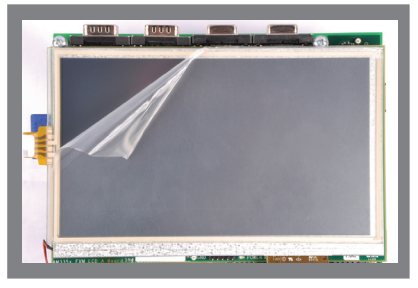

**2** Ensure SW6 DIP switch is set as shown (OFF). SW6 is located on the AM335x daughtercard.



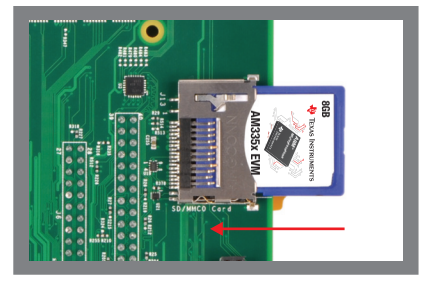
**3** Connect the supplied serial null modem cable to the UART DB-9 (J12) connector located on the AM335x baseboard. NOTE: You must use the supplied cable or another serial null modem cable. There are five additional UARTs for development but cannot be used for demo purposes.



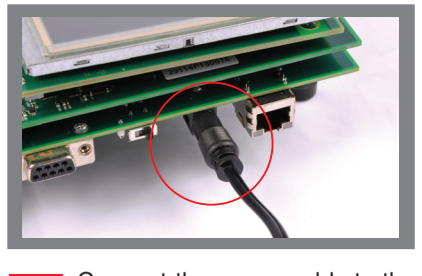
**4** Connect the Ethernet cable to the RJ-45 jack located on the AM335x baseboard. Connect the other end of the cable to an Internet-enabled router or Ethernet switch.



**5** Remove the protective plastic from the LCD touchscreen.




**6** Insert the Linux SD card into the AM335x EVM as shown.



**7** Connect the power cable to the power jack on the baseboard.

***Note:*** When powering this EVM, always use a recommended power supply (CUI/V-Infinity part number SMI18-5-V-P6 or SWI18-5-N-P6) or equivalent model having output voltage of +5 VDC, output current max 3.0 Amp, and efficiency level V as well as the applicable regional product regulatory/safety certification requirements such as (by example) UL, CSA, VDE, CCC, PSE, etc.

**8** Set SW1 on the AM335x EVM baseboard as shown.
***Note:*** Power is on when switch is nearest the power cable.

Continued on following page

**9** You are now ready to explore the Linux demo which includes various example applications and demos. Click on any icon to start the demo and click “exit” (if available) to quit the demo.

**10** Next Steps
(Prepare your workstation for software development)

To prepare your workstation for software development, power off the kit.

Insert the SD card into any Linux host PC / Laptop, and from the START HERE folder, run setup.htm.

***Note:*** Mounted to this EVM is a UL-recognized component, RoHS-compliant Lithium rechargeable battery (Seiko MS920SE: Nominal voltage 3V, Nominal capacity 11.0 mAh, UL File No. MH15628); this battery should only be replaced by a trained technician.

For more information on AM335x or to download the latest software, please visit **www.ti.com/am335x**.

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

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# AM335x Evaluation Module Quick Start Guide

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