



# THE DATASHEET OF TMDSCM572X



## Begin development



**8** To prepare your workstation for software development, power off the kit, remove the microSD card and insert it into your Ubuntu Linux workstation (adapter may be required). If your workstation does not include an SD slot, USB SD card adapters are readily available. Follow the instructions to the right

## Processor Software Development Kit

For Linux, install the Processor SDK from the [START HERE](#) partition (the latest version of the SDK can be downloaded from TI's website).

If you need help on setting up a Linux Host PC, please visit [www.ti.com/startyourlinux](http://www.ti.com/startyourlinux).

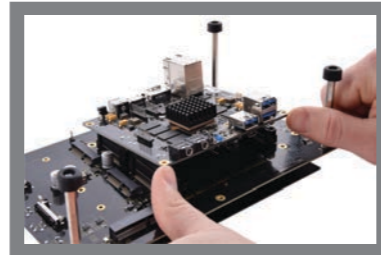
Connect the supplied USB debug cable to your AM572x processor

board (as shown in Step 2). Connect the other end to your PC.

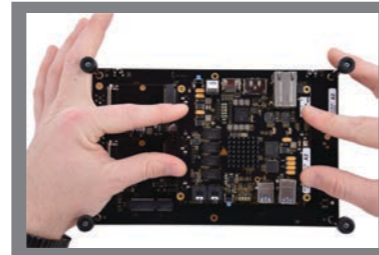
Connect an Ethernet cable (not included) to the top RJ-45 jack on the AM572x processor board. Connect the other end of the cable to an Internet-enabled router or Ethernet switch.

For TI-RTOS, refer to [www.ti.com/processor\\_sdk\\_rtos](http://www.ti.com/processor_sdk_rtos)

## Optional



If necessary to unplug the Processor Module, it is recommended to do so by pushing up from the corners as shown in the picture to minimize risk of damage.



Similarly, it is recommended to plug back in the Processor Module by pressing down on the sides of the Processor Module as shown in the picture to minimize risk of damage.

**Note:** The camera module is an optional accessory. If needed, please order the following part number: **TMDSCM572X**.

For more information on AM57x processors, including:

- User Guide
- Software
- How Tos
- Design Files

Please visit [www.ti.com/am57x](http://www.ti.com/am57x) and [www.ti.com/am572xevm](http://www.ti.com/am572xevm)

For support questions, please contact: [support@ti.com](mailto:support@ti.com) or [www.ti.com/e2e](http://www.ti.com/e2e).

Provide feedback: Take this survey and tell us about your experience using the AM572x EVM: [www.ti.com/survey](http://www.ti.com/survey)

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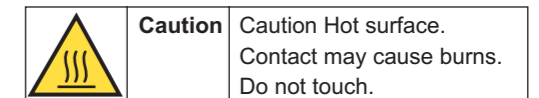
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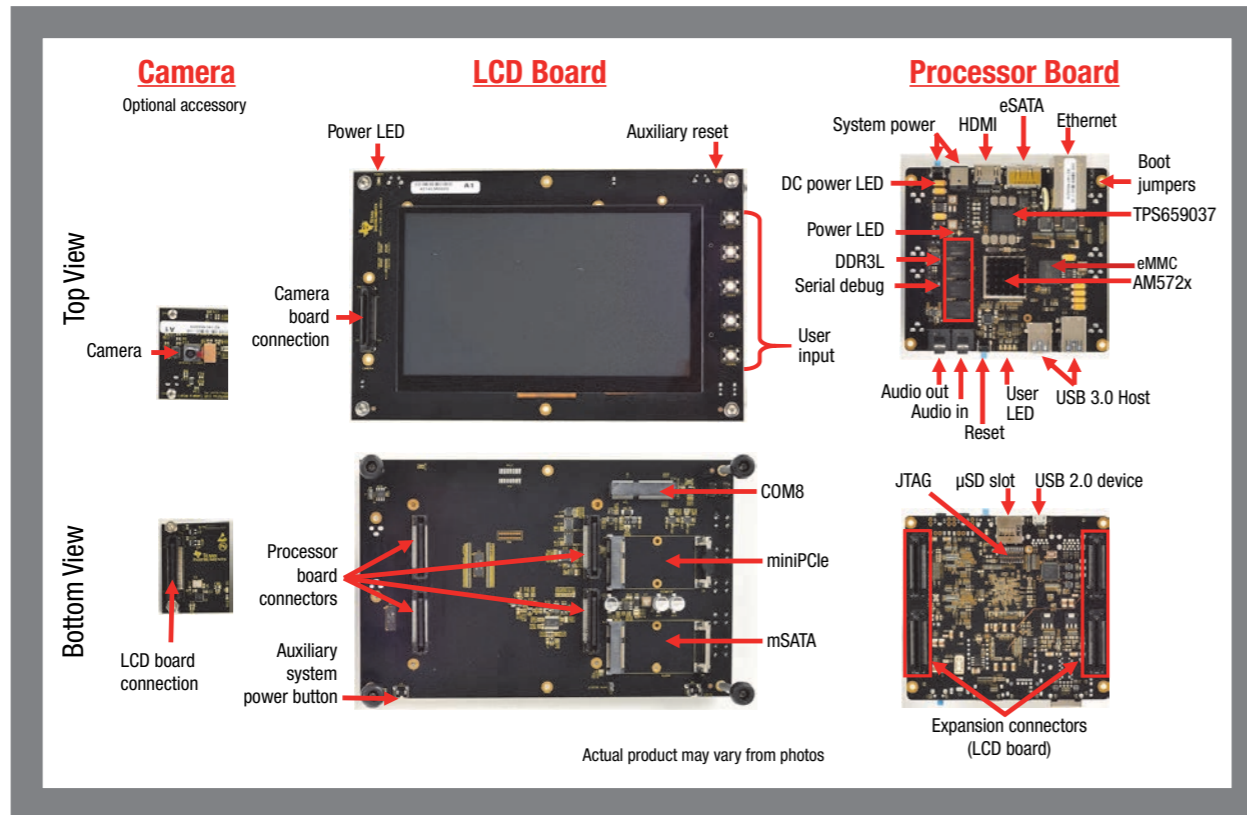
 **TEXAS INSTRUMENTS**

# AM572x Evaluation Module Quick Start Guide



Welcome to the AM572x General Purpose (GP) Evaluation Module (EVM) Quick Start Guide. This guide is designed to help you through the initial setup of the EVM. This EVM allows you to experience Linux®, TI-RTOS and other operating systems (OSs) that showcase the AM572x Cortex®-A15 and TI C66x cores, 3D graphics, high-definition video processing and more. The AM572x EVM contains the following:

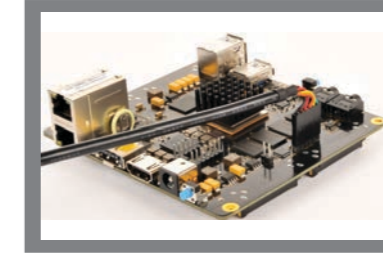
- **Hardware**
  - Sitara™ AM572x Cortex-A15 processor
  - TPS659037 power management I/C
  - 7" capacitive touch LCD
  - 2GB DDR3L
  - On-board eMMC
  - Audio input and output
  - SATA, USB 3.0, Ethernet and HDMI connectors
  - Expansion capability
- **Printed documents**
  - AM572x GP EVM Quick Start Guide (this document)
  - Terms and conditions
- **Miscellaneous**
  - Power supply with international adapters
  - µSD card with Linux Processor SDK
  - USB-to-serial debug cable
  - HDMI cable for optional external display



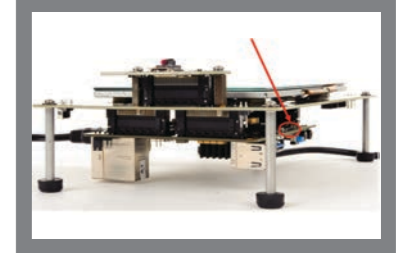
### Default setup (Linux OS boot from microSD card)



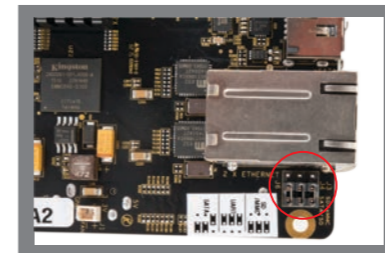
**1** Plug in the camera board (not included) as shown.



**2** Connect the supplied USB to serial cable to the processor board as shown (for simplicity only the processor board is shown).



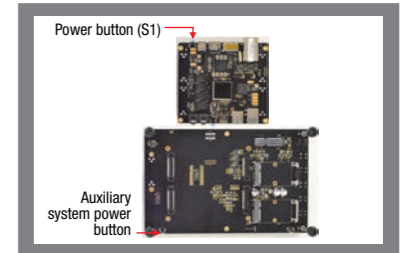
**3** Insert the microSD card into the AM572x EVM processor board.



**4** Confirm the jumpers J3, J4, J6 are jumpered across positions 2 and 3 (closest to edge of board).



**5** Connect the supplied power cable to the processor board as shown (for simplicity only the processor board is shown). Connect the **12-volt power supply** cable to an AC power source.  
**Note:** When powering this EVM, always use the supplied power supply (**E-Star PA1060-120IB500**) or equivalent model having output voltage of +12VDC and output current of **5.0 Amp** as well as the applicable regional product regulatory/ safety certification requirements.



**6** To turn on, press and release power button (S1) or auxiliary power button. **To turn off, press and hold the same button for 15 sec. Do not unplug the power supply to turn off the board, as it may cause damage.**



**7** You are now ready to explore the Linux demos which include various example applications. Click on any icon to start the demo.

(Continued)

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Energy and Lighting	<a href="http://www.ti.com/energy">www.ti.com/energy</a>
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Medical	<a href="http://www.ti.com/medical">www.ti.com/medical</a>
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