

## Getting Started

The EVM ships with a Power On Self Test (POST) flashed into I2C EEPROM. The POST automatically executes when the board is powered ON. POST performs memory test and internal EMAC loopback test. At power ON, the user LEDs are OFF by default. The LEDs blink and turn OFF to indicate successful DSP booting.

After booting, User LED-1 turns ON to indicate successful RAM test and User LED-2 turns ON to indicate successful internal EMAC loop-back test. These LEDs remain ON to indicate success of both the tests.

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

- TMS320C6678 processor website  
<http://focus.ti.com/docs/prod/folders/print/tms320c6678.html>
- MCSDK website for updates  
<http://focus.ti.com/docs/toolsw/folders/print/bioslinuxmcsdk.html>
- CCS v5  
[http://processors.wiki.ti.com/index.php/Category:Code\\_Composer\\_Studio\\_v5](http://processors.wiki.ti.com/index.php/Category:Code_Composer_Studio_v5)

## This link contains

- Hardware & Software details
- User Guide
- Technical Reference Manual
- TMS320C6678 Datasheet

## TI Worldwide Technical Support

### Internet

TI Semiconductor Product Information Center Home Page  
[support.ti.com](http://support.ti.com)  
TI Semiconductor KnowledgeBase Home page  
[support.ti.com/sc/knowledgebase](http://support.ti.com/sc/knowledgebase)

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Note: The European Free Call (Toll Free) number is not active in all countries. If you have technical difficulty calling the free call number, please use the international number above.

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Domestic [www.tij.co.jp/pic](http://www.tij.co.jp/pic)

#### Asia

Phone  
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Hong Kong 800-96-5941 Philippines 1-800-765-7404  
India 1-800-425-7888 Singapore 800-886-1028  
Indonesia 001-803-8861-1006 Taiwan 0800-006800  
Korea 080-551-2804 Thailand 001-800-886-0010

Fax +886-2-2378-6808  
Email [tiasia@ti.com](mailto:tiasia@ti.com)  
[ti-china@ti.com](mailto:ti-china@ti.com)  
Internet [support.ti.com/sc/pic/asia.htm](http://support.ti.com/sc/pic/asia.htm)

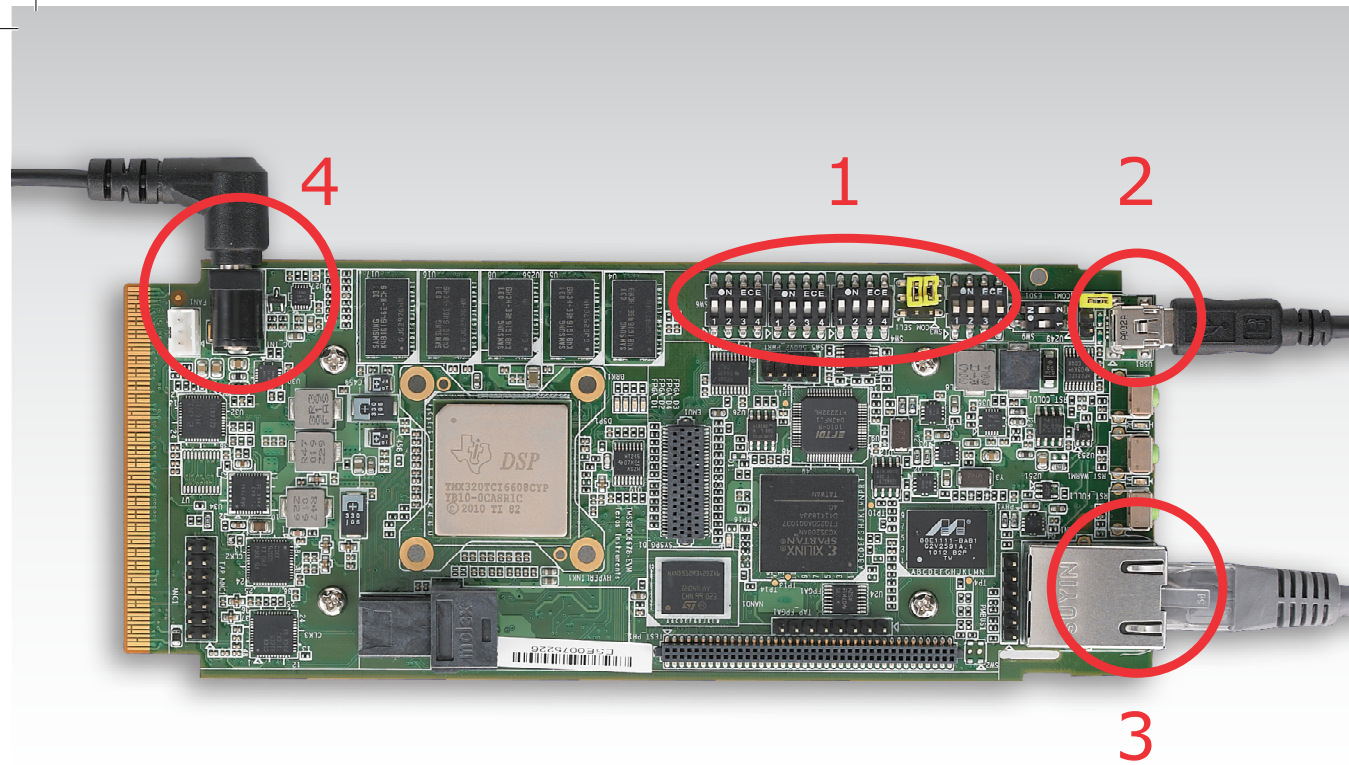
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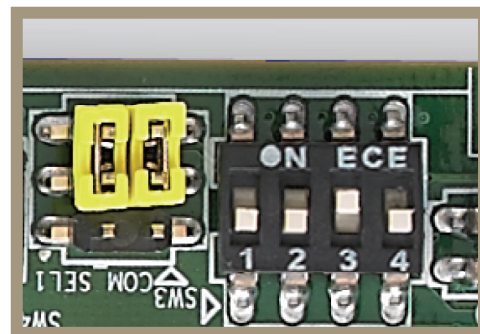
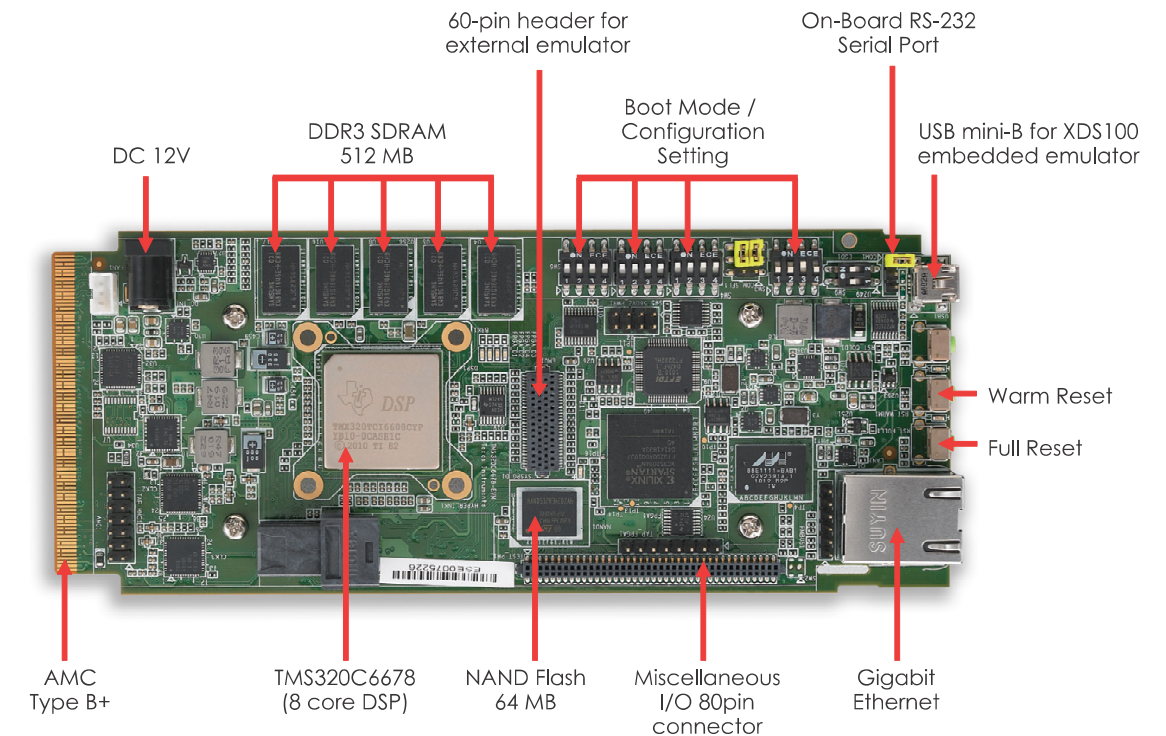
# TMS320C66x Evaluation Module Quick Start Guide



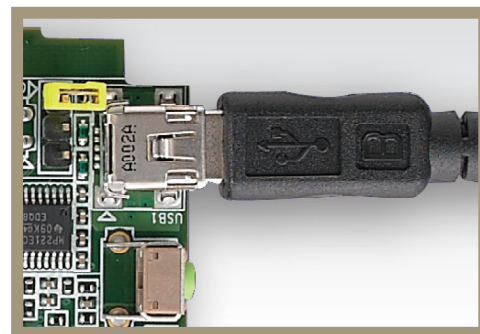


# TMDXEVM6678L

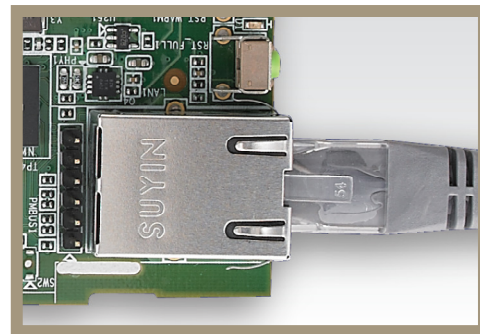
## TMX320C6678 Evaluation Module



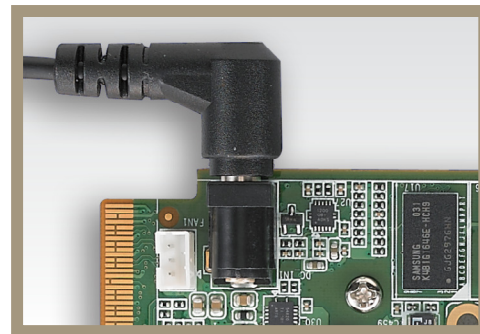
**1** Ensure EVM configuration switch (SW3) are set as shown to run Power On Self Test (POST)



**2** Connect the USB mini-B cable to USB1 plug for on board embedded emulation and serial console port, as shown in figure. (For use with CCS debugger only)



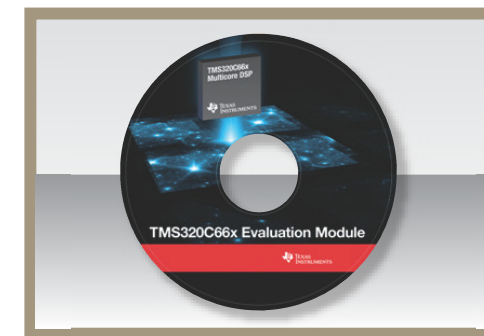
**3** Connect Ethernet switch / Router / PC to the Giga Ethernet port (LAN1) of EVM6678 board using an Ethernet cable to access EMACO



**4** Connect the 12V DC power adapter (supplied with the kit) to power jack (DC\_IN1)

### The TMDXEVM6678L (Evaluation Module) kit includes

- TMS320C6678 Evaluation Module
- Power adapter and power cord
- USB cable for on-board JTAG emulation (XDS100v1)
- Ethernet cable
- RS-232 serial cable
- Software (DVD) and documentation



**5** Load the DVD on your computer and follow the instructions provided in the "Read\_Me\_First.txt" file