

**Getting Started:**  
The TMDSEVM6457L ships with a Power On self Test (POST) flashed into I2C EEPROM. The POST will be automatically executed when the board is powered ON. POST will perform memory test and EMAC loopback test. At 'power on' the user LEDs will be OFF by default. The LEDs will blink and turn OFF to indicate successful DSP booting. Then after, User LED-1 will turn ON to indicate successful RAM test and User LED-2 will turn ON to indicate successful EMAC loop-back test. These LEDs will remain ON to indicate success of both the tests.

Please refer EVM User Guide for software installation and other details.

- Helpful Hints:**
- Plug in all the cables before turning the EVM ON to ensure proper grounding.
  - Do not unnecessarily flex the boards, while inserting cables. Excessive flexing can break the PCB traces.

**Online Documentation**  
Most of the information on TMDSEVM6457L is available online. Some of the most commonly used resources are mentioned below:

**TMDSEVM6457L Information:**  
<http://www.einfochips.com/TI-TMDSEVM6457L.php>

- This link contains:
- Hardware & software details
  - User Guide
  - Technical Reference Manual
  - TMS320C6457 Datasheet
  - Frequently Asked Questions (FAQ)

**C6457 DSP Information:**  
<http://focus.ti.com/docs/prod/folders/print/tms320c6457.html>

**EVM6457 Support:**  
Please write to [evm6457support@einfochips.com](mailto:evm6457support@einfochips.com) for technical queries related to this EVM.

**eInfochips Address:**  
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<b>Europe, Middle East and Africa</b>			
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International	+49 (0) 8161 80 2121		
Russian Support	+7 495 981 0701		
<b>Note:</b> 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.			
Fax	+(49) (0) 8161 80 2045		
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Domestic	www.tij.co.jp/pic		
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<b>Asia</b>			
Phone			
International	+91-80-413816651-		
Domestic	Toll-Free-Number		Toll-Free-Number
Australia	800-999-084	Malaysia	1-800-80-3973
China	800-820-8682	New Zealand	0800-446-934
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 ti-china@ti.com
Internet	support.ti.com/sc/pic/asia.htm		

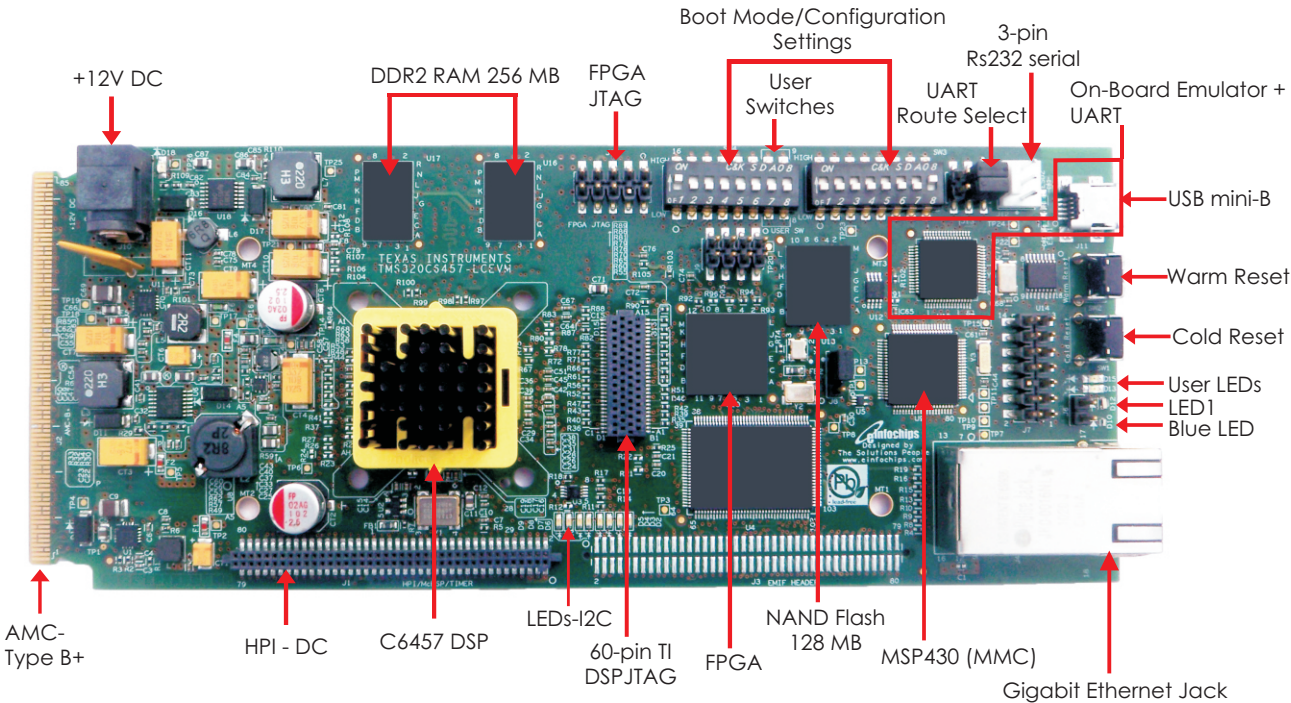
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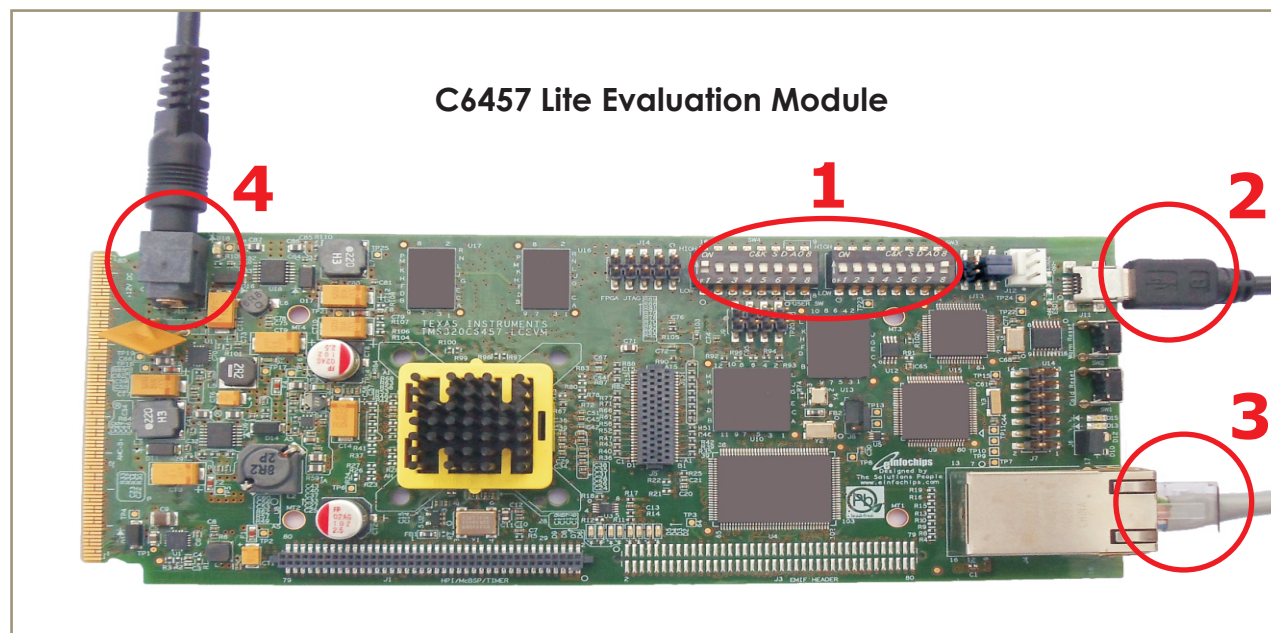
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# TMDSEVM6457L

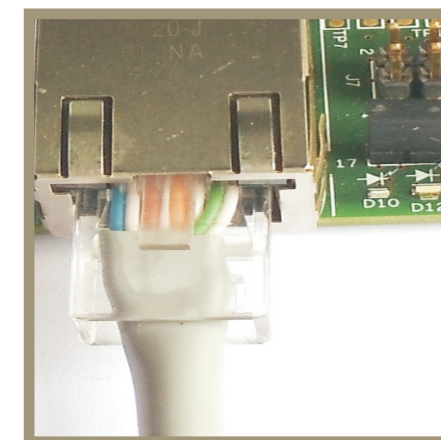


## TMS320C6457 Lite Evaluation Module Quick Setup Guide





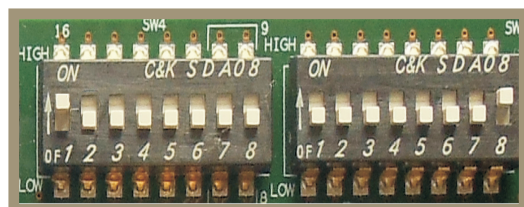
**1a** The TMDSEVM6457L is also shipped with an Out-Of-Box Demo application flashed into NAND. This is a network based application which starts an HTTP server and a TELNET server with the static IP address 192.168.2.100. Be sure the seventh switch in SW4 is off. In order to connect to the board, the test PC should be configured with a compatible static IP address such as 192.168.2.101. Once the User LEDs blink and turn OFF (indicating successful NAND boot) the user can access the following URL through a browser to view the Out-Of-Box demo: <http://192.168.2.100>



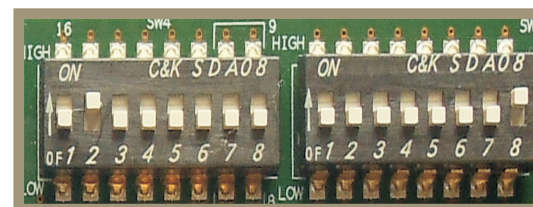
**3** Connect Ethernet switch / router / PC to the Gigabit Ethernet port (J4) of TMDSEVM6457L board using an Ethernet cable to access the EMAC port.

The TMDSEVM6457L (Evaluation Module) kit includes:

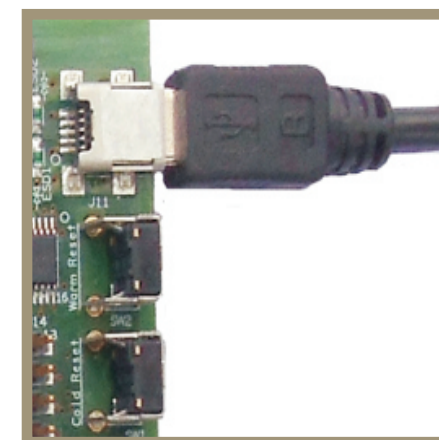
- TMS320C6457 Lite Evaluation Module (Printed circuit board assembly)
- Power supply and power cord
- USB Cable for on-board JTAG emulation
- Ethernet cable
- 3-Pin to 9-Pin DTE UART cable
- Software (DVD) and documentation



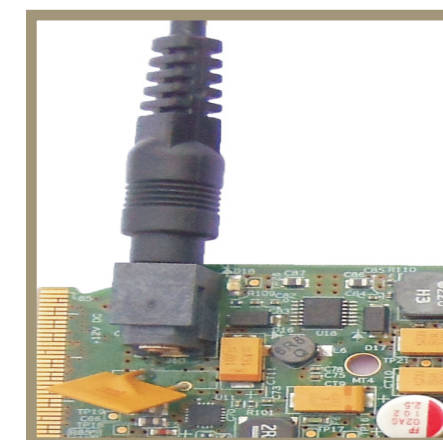
**1** Ensure EVM configuration switches are set as shown to run Power On Self Test (POST).



**1a** To run Out-Of-Box demo through NAND, configure the switches as shown above.



**2** Connect the Mini-USB cable to J11 plug for on board embedded emulation, as shown in figure. (For use with CCS debugger only)



**4** Connect the 12V DC power adapter (supplied with the kit) to power jack (J10).