Getting Started

The EVM ships with a Power On Self Test (POST) flashed on the board. 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

- TMS320TCI6614 processor website
  http://focus.ti.com/docs/prod/folders/print/tms320TCI6614.html
- Please contact TI for SC-MCSDK Updates
- CCS v5
  http://processors.wiki.ti.com/index.php/Category:Code_Composer _Stu dio_v5

C6614 EVM Information:

http://www.advantech.com/Support/TI-EVM/default.aspx

This link contains

- Hardware & Software details
- User Guide
- Technical Reference Manual
- TMS320TCI6614 Datasheet

C6614 EVM Support:

Please write to EVM667xsupport@advantech.com.tw for technical queries related to this EVM.

Advantech Address:

Advantech Co., Ltd.
No. 1, Alley 20, Lane 26, Rueiguang Rd., Neihu Dist., Taipei 114, Taiwan, R. O. C.
Toll Free: 0800-777-111
Phone:886-2-2792-7818
http://www.advantech.com/

TI Worldwide Technical Support

Internet

TI Semiconductor Product Information Center Home Page
support.ti.com
TI Semiconductor KnowledgeBase Home page
support.ti.com/sc/knowledgebase

Product Information Centers

Americas

Phone +1(972) 644-5580 Fax +1(972)927-6377
Internet/Email support.ti.com/sc/pic/americas.htm

Europe, Middle East and Africa

Phone
European Free Call	00800-ASK-TEXAS (00800 275 83927)
International	+49 (0) 8161 80 2121
Russian Support	+7 495 981 0701

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.

Fax	+(49) (0) 8161 80 2045
Internet	support.ti.com/sc/pic/euro.htm

Japan

Fax	
International	+81-3-3344-5317
Domestic	0120-81-0036
Internet/Email	
International	support.ti.com/sc/pic/japan.htm
Domestic	www.tij.co.jp/pic

Asia

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

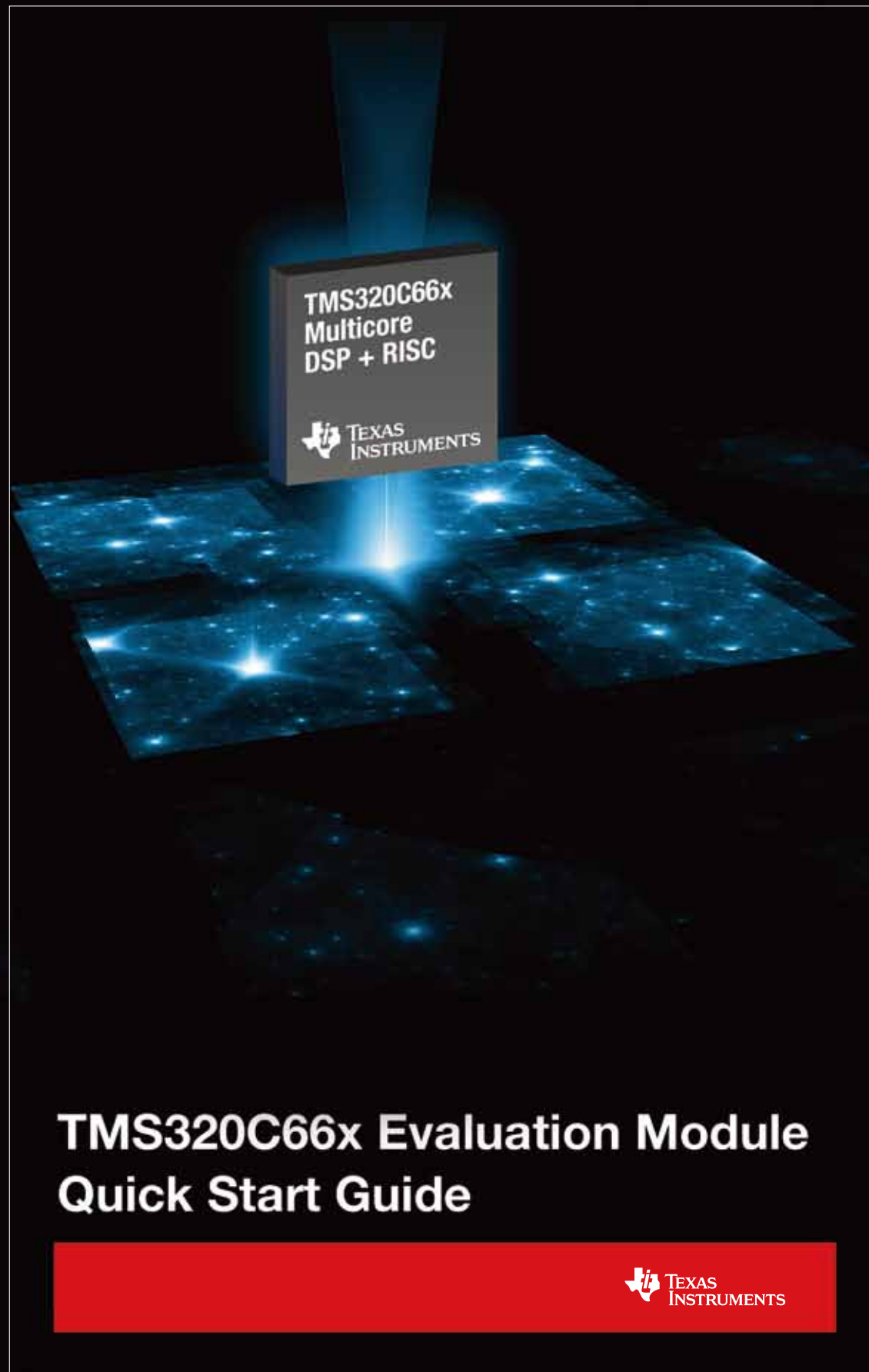|	
Fax	+886-2-2378-6808
Email	tiasia@ti.com
	ti-china@ti.com
Internet	support.ti.com/sc/pic/asia.htm

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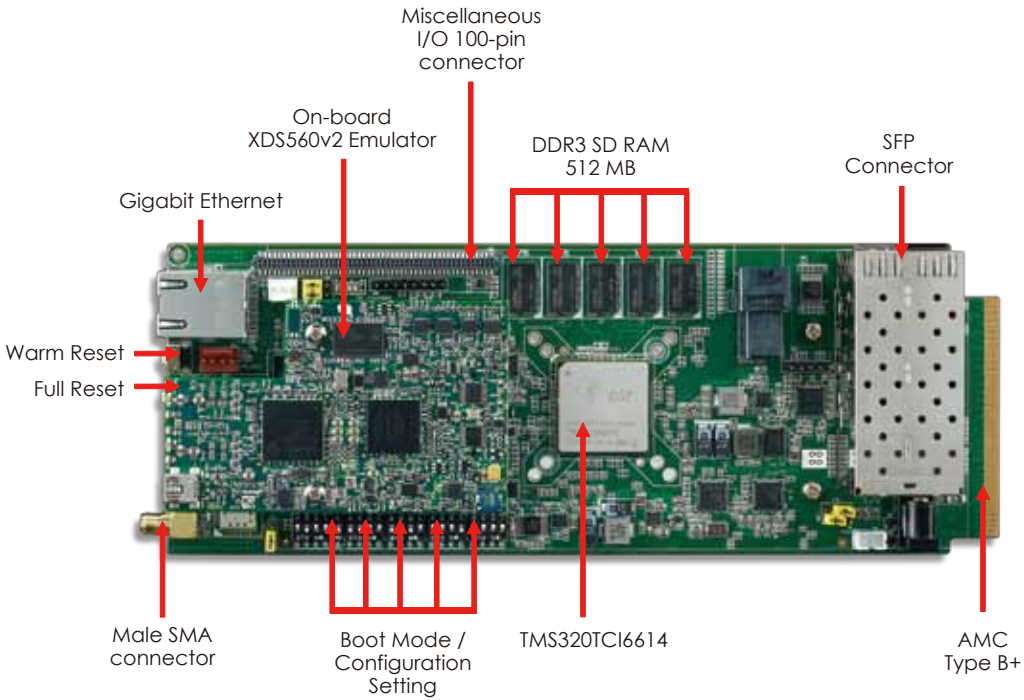
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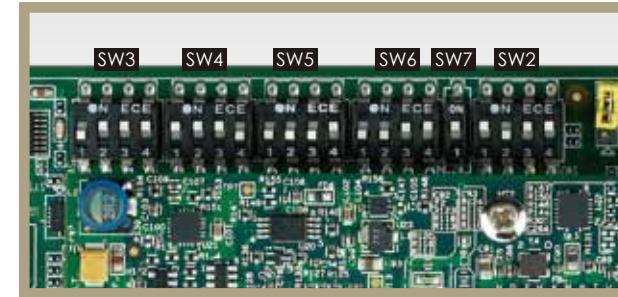

TMS320C66x Evaluation Module Quick Start Guide

TMDXEVM6614LXE

TMS320TCI6614 Evaluation Module

Miscellaneous
I/O 100-pin
connector

On-board
XDS560v2 Emulator

DDR3 SD RAM
512 MB

SFP
Connector

Gigabit Ethernet

Warm Reset

Full Reset

Male SMA
connector

Boot Mode /
Configuration
Setting

TMS320TCI6614

AMC
Type B+

Ensure EVM configuration switch (SW3, SW4, SW5, SW6 and SW7) are set as shown by default
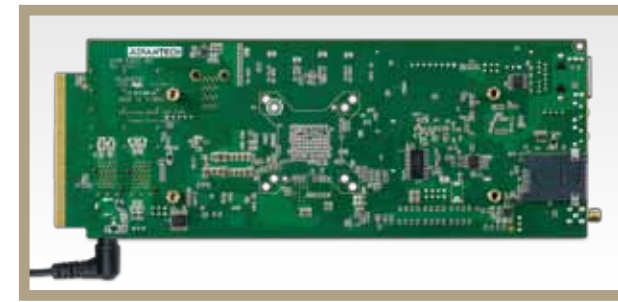
SW3 SW4 SW5 SW6 SW7 SW2

The TMDXEVM6614LXE (Evaluation Module) kit includes:

- TMX320TCI6614 Evaluation Module
- On-board XDS560v2 Emulator
- Power adapter and power cord
- USB cable for Mezzanine JTAG emulation (XDS560v2)
- Ethernet cable
- RS-232 serial cable
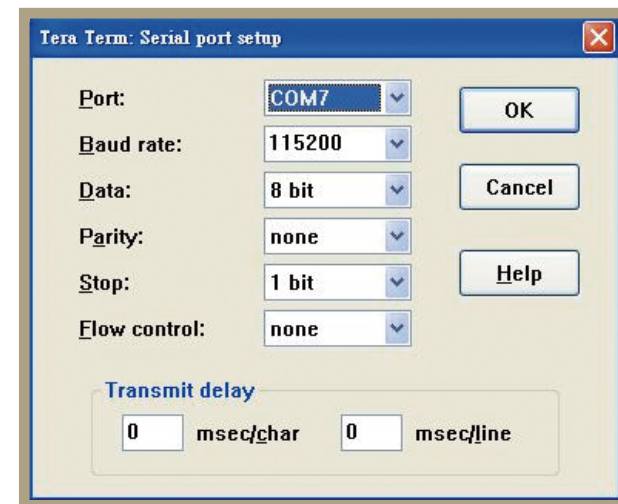- International power adapter
- Software (DVD) and documentation

1

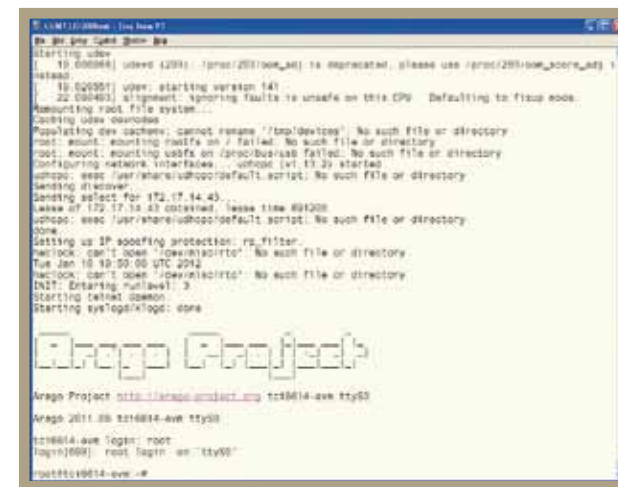Connect the Ethernet cable to Ethernet port and 12V DC power adapter to power jack (on the bottom side of EVM).

Tera Term: Serial port setup

Port:	COM7
Baud rate:	115200
Data:	8 bit
Parity:	none
Stop:	1 bit
Flow control:	none

Transmit delay

0 msec/char   0 msec/line

OK   Cancel   Help

2

Open HyperTerminal, select COM port, and configure settings.

3

Note:

1. Follow the READ_ME_FIRST instructions for installing tools, SC-MCSDK and demos on your PC.

2. Refer to the Getting Started Guide under SC- MCSDK for details on boot configurations.