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TMS320C6678 Evaluation Modules

Status: ACTIVE

TMDXEVM6678

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	TMDXEVM6678L	TMDXEVM6678LXE	TMDXEVM6678LE
Name	TMS320C6678 Lite Evaluation Module	TMS320C6678 Lite Evaluation Module with Encryption and XDS560V2	TMS320C6678 Lite Evaluation Module with XDS560V2 Emulation
Status	ACTIVE	ACTIVE	ACTIVE
Price (US\$)	\$399.00	\$599.00	\$599.00
Host	PC	PC	PC
OS	Microsoft Windows 2000 & XP; Linux	Microsoft Windows 2000 & XP; Linux	Microsoft Windows 2000 & XP; Linux
Current Version	v1.0	v1.0	v1.0
Version Date	09 NOV 2010	09 NOV 2010	09 NOV 2010
Texas Instruments			
Contact a Distributor	- Select a location -		

Product Information

Description

View TMDXEVM6678

[TMS320C6678L](#) | [TMS320C6678LE](#) | [TMS320C6678LEX](#)

TMS320C6678L - TMS320C6678 Lite Evaluation Module

The TMS320C6678 Lite Evaluation Module (EVM), or TMDXEVM6678L, is an easy-to-use, cost-efficient development tool that is designed to help developers quickly get started with designs using the C6678 or C6674 or C6672 multicore DSP. It includes an on-board, single C6678 processor with robust connectivity options that allows customers to use this AMC form factor card in various systems. It also works as a stand alone board.

The TMDXEVM6678L EVM comes with XDS100 embedded emulation capability. In addition, an external emulator via JTAG emulation header can be also be used. The software accompanying the 6678L EVM includes Code Composer Studio Studio™ version 4.2 (CSv4.2), Board Support Package (BSP), Chip Support Library (CSL), Power On Self Test (POST), Network Development Kit (NDK), and Out of Box (OOB) Demonstration SW.

The TMDXEVM6678L EVM is designed for an ease of use environment to evaluate the features & functions of the multicore C6678/4/2 DSPs. The emulation capability and software included in the EVM will allow customer to program the C6678 DSP to benchmark the algorithms that are intended to be implemented on C6678/4/2 DSP.

NOTE: The TMS320C6678L is expected to ship in late **March 2011**.

TMDXEVM6678LE - TMS320C6678 Lite Evaluation Module with XDS560V2 Emulation

The TMDXEVM6678LE Lite Evaluation Module (EVM) is an easy-to-use, cost-efficient development tool that is designed to help developers quickly get started with designs using the C6678/4/2 multicore DSPs. It includes an on-board, single C6678 processor with robust connectivity options that allows customers to use this AMC form factor card in various systems. It also works as a stand alone board.

The TMDXEVM6678LE EVM comes with **XDS560V2 embedded emulation capability**. The

software accompanying the 6678LE EVM includes Code Composer Studio Studio™ version 4.2 (CSv4.2), Board Support Package (BSP), Chip Support Library (CSL), Power On Self Test (POST), Network Development Kit (NDK), and Out of Box (OOB) Demonstration SW.

The TMDXEVM6678LE EVM is designed for an ease of use environment to evaluate the features & functions of the multicore C6678 DSP. The emulation capability and software included in the EVM will allow customer to program the C6678 DSP to benchmark the algorithms that are intended to be implemented on C6678 DSP.

NOTE: The TMDXEVM6678LE is expected to be available sometime in 2Q2011. Please **sign up to be notified** when it is released for order.

TMDXEVM6678LXE - TMS320C6678 Lite Evaluation Module with Encryption and XDS560V2

The TMDXEVM6678LXE Lite Evaluation Module (EVM) is an easy-to-use, cost-efficient development tool that is designed to help developers quickly get started with designs using the C6678/4/2 multicore DSPs. It includes an on-board, single C6678 processor with robust connectivity options that allows customers to use this AMC form factor card in various systems. It also works as a stand alone board.

The TMDXEVM6678LXE EVM with **encryption enabled** comes with **XDS560V2 embedded emulation capability**. The software accompanying the 6678LXE EVM includes Code Composer Studio Studio™ version 4.2 (CSv4.2), Board Support Package (BSP), Chip Support Library (CSL), Power On Self Test (POST), Network Development Kit (NDK), and Out of Box (OOB) Demonstration SW.

The TMDXEVM6678LXE EVM is designed for an ease of use environment to evaluate the features & functions of the multicore C6678 DSP. The emulation capability and software included in the EVM will allow customer to program the C6678 DSP to benchmark the algorithms that are intended to be implemented on C6678 DSP.

NOTE: Please contact your **local TI sales representative** to request the TMDXEVM6678LXE.

Features

TMS320C6678, TMDXEVM6678E and TMDXEVM6678LXE all feature:

- Single wide AMC like form factor
- Single C6678 multicore processor
- 512 MB DDR3
- 128 MB Nand Flash
- 1Mb I2C EEPROM for local boot (remote boot possible)
- Two 10/100/1000 Ethernet ports on board
- RS232 UART
- 2 user programmable LEDs and DIP SWs
- 14-pin JTAG emulator header
- Embedded JTAG emulation with USB Host interface
- Board-specific Code Composer Studio™ Integrated Development Environment
- Simple setup
- Includes design files such as Orcad and Gerber
- Board support library accelerates software development on the EVM

TMDXEVM6678E & TMDXEVM6678LXE both feature their embedded JTAG emulation with USB Host interface via **XDS560V2**

Related Products

Related Software			
Name	Part#	Company	Software Type
3L Diamond TCP/IP Stack		3L Ltd	Drivers / IO / Control Software
3L Diamond C6000		3L Ltd	Operating Systems (OS/RTOS)
SYS/BIOS and Linux Multicore Software Development Kits (MCSDK) for C667x, C647x, C645x Processors	BIOSLINUXMCSDK	Texas Instruments	Software Development Kit (SDK)
Related Tools			
Name	Part#	Company	Tool Type
Code Composer Studio (CCStudio) Integrated Development Environment (IDE) v4.x	CCSTUDIO	Texas Instruments	Code Composer Studio(TM) IDE
3L Diamond		3L Ltd	Development Tools
Poly-Platform		PolyCore Software, Inc	Development Tools
Blackhawk™ LAN560 JTAG Emulator		Blackhawk	Emulators/Analyzers
Blackhawk™ PCI560 JTAG Emulator for TI DSPs		Blackhawk	Emulators/Analyzers

Blackhawk™ USB560 JTAG Emulator		Blackhawk	Emulators/Analyzers
Blackhawk™ USB560BP JTAG Emulator		Blackhawk	Emulators/Analyzers
Blackhawk™ XDS560 Trace System		Blackhawk	Emulators/Analyzers
Related Devices			
Part#	Name	Product Family	
TMS320C6672	Multicore Fixed and Floating-Point Digital Signal Processor	C6000 High Performance Multicore DSP	
TMS320C6674	Multicore Fixed and Floating-Point Digital Signal Processor	C6000 High Performance Multicore DSP	
TMS320C6678	Multicore Fixed and Floating-Point Digital Signal Processor	C6000 High Performance Multicore DSP	

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SYS/BIOS On-line Training This on-line training is designed to introduce users to real time operating systems and the SYS/BIOS product in particular.	On-Line Training	On Demand

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