TMS320C6678 Evaluation Modules Status: ACTIVE

TMDSEVM6678

Description/Features Technical Documents Support & Community Order Now

Description

TMS320C6678 Lite Evaluation Modules

The TMS320C6678 Lite Evaluation Modules (EVM), are easy-to-use, cost-efficient development tools that help developers quickly get started with designs using the C6678 or C6674 or C6672 multicore DSP. The EVMs include an on-board, single C6678 processor with robust connectivity options that allows customers to use this AMC form factor card in various systems. They also work as a stand alone board.

The software accompanying the 6678L EVM includes the Code Composer Studio™ Integrated Development Environment version 5 (CCS v5), and the Multicore Software Development Kit (MCSDK) that includes the Board Support Package (BSP), Chip Support Library (CSL), Power On Self Test (POST), Network Development Kit (NDK), SYSBIOS, and Out of Box (OOB) Demonstration software.

The emulation capability and software included with the EVMs will allow customers to program the C66x DSP to benchmark algorithms for the C6678/4/2 DSPs.

TMDSEVM6678L - TMS320C6678 Lite Evaluation Module
The TMDSEVM6678L EVM comes with XDS100 onboard emulation capability. In addition, an external emulator via JTAG emulation header can be also be used.

TMDSEVM6678LE - TMS320C6678 Lite Evaluation Module with XDS560V2 Emulation
The TMDSEVM6678LE EVM comes with **XDS560V2 onboard emulation capability**. The included XDS560 mezzanine card uses the TI 60-pin JTAG emulation header.

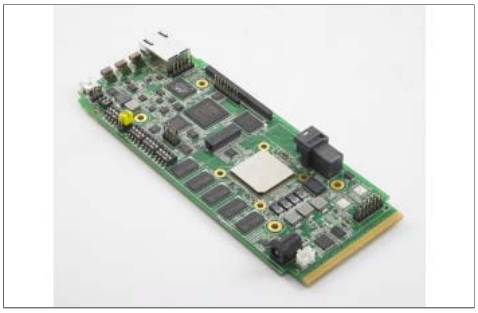
TMDSEVM6678LXE - TMS320C6678 Lite Evaluation Module with Encryption and XDS560V2
The TMDSEVM6678LXE EVM with **encryption enabled** comes with **XDS560V2 onboard emulation capability**. The included XDS560 mezzanine card uses the TI 60-pin JTAG emulation header.
NOTE: Please contact your **local TI sales representative** to request the TMDSEVM6678LXE.

Features

TMS320C6678, TMDSEVM6678E and TMDSEVM6678LXE 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)
10/100/1000 Ethernet ports on board (second port on AMC connector)
RS232 UART
User programmable LEDs and DIP switches
60-pin JTAG emulator header
Onboard JTAG emulation with USB Host interface
Board-specific Code Composer Studio™ Integrated Development Environment
Orcad and Gerber design files
Multicore Software Development Kit (MCSDK)
Compatible with TMDSEVMPCI adaptor card

TMDSEVM6678LE & TMDSEVM6678LXE both feature their embedded JTAG emulation with USB Host interface via **XDS560V2**



TMS320C6678 Evaluation Module

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Part Number	Texas Instruments	Authorized Distributors	Status		Host	OS	Current Version	Version Date
TMDSEVM6678L: TMS320C6678 Lite Evaluation Module	TI eStore	Not Available	ACTIVE		PC	Microsoft Windows 2000 & XP; Linux	v2.0	03 FEB 2012
TMDSEVM6678LXE: TMS320C6678 Lite Evaluation Module with Encryption and XDS560V2		Not Available	ACTIVE		PC	Microsoft Windows 2000 & XP; Linux	v2.0	03 FEB 2012
	TI eStore	Buy from distributor	ACTIVE					

TMDSEVM6678LE: TMS320C6678 Lite Evaluation Module with XDS560V2 Emulation					PC	Microsoft Windows 2000 & XP; Linux	v2.0	03 FEB 2012

Contact a Distributor - Select a location - Go

Technical Documents

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
OpenMP Programming for TMS320C66x Multicore DSPs		PDF	281	14 Nov 2011	2,515
TMS320C66x multicore DSPs for high-performance computing		PDF	1693	04 Nov 2011	3,152

Related Products

Name	Part Number	Tool Type
Code Composer Studio (CCStudio) Integrated Development Environment (IDE) v5	CCSTUDIO	Code Composer Studio(TM) IDE
AMC to PCIe Adapter Card	TMDXEVMPCI	Daughter Cards
Hyperlink Cable	HL5CABLE	Development Boards/EVMs

Name	Part Number	Software Type
SYS/BIOS and Linux Multicore Software Development Kits (MCSDK) for C66x, C647x, C645x Processors	BIOSLINUXMCSDK	So ftware Development Kit (SDK)

Search for Third Party Products & Services

Name	Part Number	Company Headquarters Location	Type
	3L Ltd	United Kingdom	Development Tools
	3L Ltd	United Kingdom	Operating Systems (OS/RTOS)

Part Number	Name	Product Family
TMS320C6670	Multicore Fixed and Floating-Point System-on-Chip	C6000 High Performance Multicore DSP
TMS320C6671	Fixed and Floating-Point Digital Signal Processor	C6000 High Performance DSP
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

Support and Community

Customer Tags

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