TMS320C6678 Evaluation Modules

(ACTIVE) TMDSEVM6678

TMS320C6678 Evaluation Module

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

TMDSEVM6678LE Lite EVM is an easy, low cost tool for developers to get started developing with C6678/C6674/C6672 multicore DSPs with **XDS560V2 emulation**.

TMDSEVM6678LXE - TMS320C6678 Lite Evaluation Module with Encryption and XDS560V2

TMDSEVM6678LXE Lite EVM with **encryption enabled** is an easy, low cost tool for developers to get started developing with C6678/C6674/C6672 multicore DSPs with **XDS560V2 emulation**.

NOTE: This is **ONLY** available by contacting your local sales representative. This product is not available through any other channel.

Features

TMS320C6678, TMDSEVM6678E and TMDSEVM6678LXE all feature:

Single wide AMC like form factor

Single C6678 multicore processor

512 MB DDR3

64 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**