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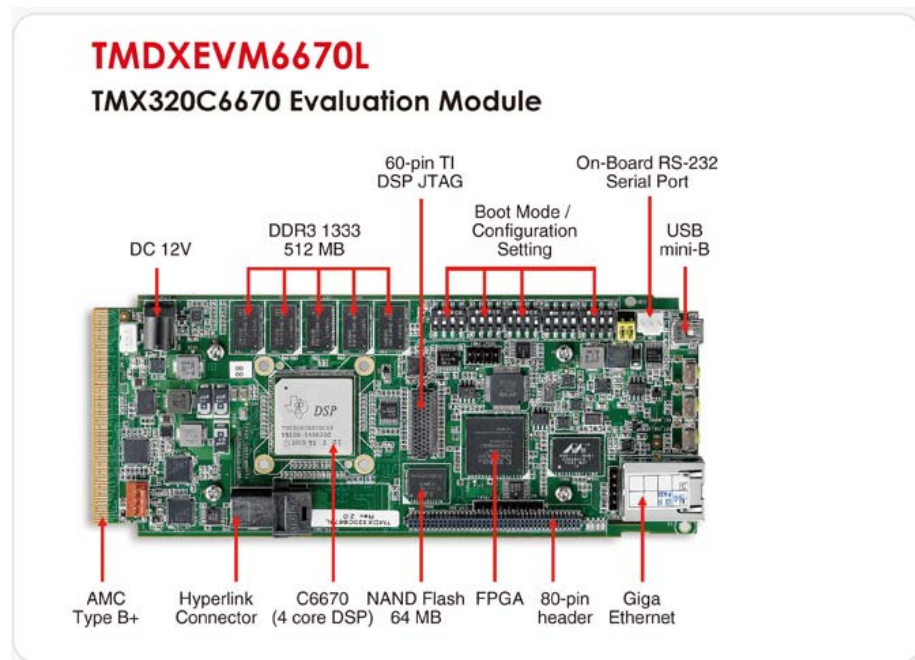
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TMS320C6670 Lite Evaluation Modules

TMS320C6670L - TMS320C6670 Lite Evaluation Module

The TMS320C6670 Lite Evaluation Module (EVM), or TMDXEVM6670L, is an easy-to-use, cost-efficient development tool that is designed to help developers quickly get started with designs using the C6670 multicore DSP. It includes an on-board, single C6670 processor with robust connectivity options that allows customers to use an AMC form factor card in various systems. It also works as a stand alone board.

The TMDXEVM6670L EVM comes with XDS100 embedded emulation capability. In addition, an external emulator via JTAG emulation header can be also be used. Software accompanying the 6670L 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 TMDXEVM6670L EVM is designed for an ease of use environment to evaluate the features & functions of the multicore C6670 DSP. The emulation capability and software included in the EVM will allow customer to program the C6670 DSP to benchmark the algorithms that are intended to be implemented on C6670 DSP.

NOTE: The TMS320C6670L is expected to ship in late **April 2011**.

TMDXEVM6670LE - TMS320C6670 Lite Evaluation Module with XDS560V2 Emulation

The TMDXEVM6670LE 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 C6670 multicore DSP. It includes an on-board, single C6670 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 TMDXEVM6670LE EVM comes with XDS560V2 embedded emulation capability. The software accompanying the 6670LE 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 TMDXEVM6670LE EVM is designed for an ease of use environment to evaluate the features & functions of the C6670 multicore DSP. The emulation capability and software included in the EVM will allow customer to program the C6670 DSP to benchmark the algorithms that are intended to be implemented on C6670 DSP.

NOTE: The TMDXEVM6670LE is expected to be available sometime in 2Q2011

TMS320C6670, TMDXEVM6670E all feature

Hardware Features

- Single wide AMC like form factor
- Single TMS320C6670 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
- Design files such as Orcad and Gerber

Software Features

- Power On Self Test in EEPROM at 0x50 address (POST)
- Intermediate Boot Loader in EEPROM at 0x51 address (IBL)
- High Performance DSP Utility Applications in NOR (HUA)

Kit Contents

- TMX320C6670 Evaluation Module
- Power adapter and power cord
- USB cable for on-board JTAG emulation (XDS100v1)
- Ethernet cable
- RS-232 serial cable
- Software (DVD) and documentation

TMDXEVM6670LE features their embedded JTAG emulation with USB Host interface via XDS560V2

TMDXEVM6678L/LE HW and SW Revision Matrix

EVM Revision	SN Range	Ship Date	PCB Rev DSPM8301E	FPGA Rev	IBL/POST Rev	LINUX-MCSDK (NAND)	BIOS-MCSDK (NOR)	MMC (MSP430)
1.0 – Beta-2	ESE0079262 -- ESE0079285	May-2011	A101-1	00.05	IBL: 01.00.00.02 POST: 01.00.00.02	MCSDK2.0: V2.6.34-evmc6670	2.00.00.02 Beta2	1.1
2.0 - Production	ECD0034973	Jul-2011	A102-1	00.06	IBL: 01.00.00.02 POST: 01.00.00.02	MCSDK2.0: V2.6.34-evmc6670	2.00.00.02 Beta2	1.1