

Documentation

Technical Reference Manual
Quick Start Guide
Sample Code
FAQ
EVMDM642 Support Page

Applications

Personal Video Recorder
Video security
Broadcast video
Video compression

Replaces 702010, 702011

Warranty: 1 year from date of purchase on EVM Card, power supply, and emulator. For Code Composer Studio refer to TI website.

Part #: 702012

DM642 (720 Mhz, TVP Video Decoders) Evaluation Module + Power Supply + XDS510 USB Emulator + Code Composer Studio for C6xxx



DM642 (720 Mhz, TVP Video Decoders) Evaluation Module + Power Supply + XDS510 USB Emulator + Code Composer Studio for C6xxx

System Features

- Provides a complete development system for the TMS320DM642 Digital Signal Processor from Texas Instruments

Hardware Features

- 720 MHz. TMS320DM642 Digital Media Processor
- TI TVP Video Decoders
- 32Mb SDRAM
- 4 Mb linear Flash
- 2 video decoders
- 1 video encoder
- On-Screen Display FPGA implementation
- Dual RS-232 UARTs and line drivers
- TLV320AIC23 Stereo Codec with line, microphone, and headphone interfaces
- 10/100 Ethernet PHY
- 32Kb I2C EEPROM
- 8 programmable LEDs
- 2 S-VHS/composite video inputs
- S-VHS/composite/VGA video outputs

Software Features

- Code Composer Studio for C6xxx which includes 'C' Compiler, Assembler, Linker, Debugger, and DSP BIOS from Texas Instruments
- Compatible with all JTAG emulators from Spectrum Digital and TI
- Compatible with VANDEK Video Development Software from ProdyS

What's Included

- DM642 (720 Mhz) EVM board
- 5V power supply
- CD-ROM with demo code, manual and schematics
- Parts kit for HD operation
- Feet for standalone operation
- XDS510 USB JTAG emulator
- USB Cable for XDS510 USB
- CD-ROM with Code Composer Studio for C6xxx from Texas Instruments

Do You Need ?

- JTAG Expander
- VANDEK Video Development Software from ProdyS

