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# TMS320C5515 DSP Evaluation Module

(ACTIVE) TMDXEVM5515

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## Description

The TMS320C5515 DSP evaluation module (EVM) is a low cost, feature rich development platform designed to speed the evaluation process of Texas Instruments' 4 latest lowest power C55x DSPs, TMS320C5515, TMS320C5514, TMS320C5505A and TMS320C5504A. This tool offers more memory options (Flash and mSDRAM) compared to TMDXEVM5505 making it easy for customers. Both experienced and novice designers can get started immediately with innovative product designs by utilizing the EVM's full-featured Code Composer Studio™ integrated development environment (IDE) and eXpressDSP™ software which includes the DSP/BIOS™ kernel.

The full contents of the EVM include:

- C5515 DSP Evaluation Board
- Code Composer Studio™ IDE Rev. 4.0
- Technical Reference Manual with Schematics
- USB Cable
- Universal Power Supply
- AC Power Cord(s) Ordering Information: Available today for US \$395.00, the TMDXEVM5515 includes a standard US, UK and European power cords.



TMS320C5515 DSP Evaluation Module

## Features

The TMS320C5514 and TMS320C5515 are industry's lowest power 16-bit processors helping conserve energy at exceptional levels and enabling longer battery life. With 240 MIPS performance, upto 320KB on-chip memory, higher integration (including a hardware accelerator for FFT computation), C5514 and C5515 provide low power foundation for a range of signal processing applications, including voice recorder, musical instruments, portable medical solutions and other consumer electronics in industrial and security applications.

Hardware details of the TMS320C5515 EVM include:

- TMS320C5515 fixed point low power DSP
- On board embedded JTAG emulation to enable the true plug-and-play functionality through just an A-to-mini B USB cable and compatibility of external JTAG emulation interface
- TLV320AIC3204 32-bit programmable low power stereo codec
- OLED color LCD display (128x128 pixels)
- Stereo line in (2) /out (1), headphone out (1) and microphone in (L/R)
- Integrated Flash and mobile SDRAM
- I2C and SPI EEPROMs
- High speed USB 2.0 slave port
- MMC/SD slot, CE-ATA connector, RS232 interface
- 10 user defined push button switches
- Analog front end connectors
- Two expansion connectors for memory cards
- External oscillator socket
- Battery Holder (For 2 AAA, not included)
- Jog dial
- +5V universal power supply

Software - Designers can readily target the TMS320C5515/14/05/04 DSPs through TI's robust and comprehensive Code Composer Studio™ development platform, including:

- A complete Integrated Development Environment (IDE), an efficient optimizing C/C++ compiler assembler, linker, debugger, integrated CodeWright editor with CodeSense technology for faster code creation, data visualization, a profiler and a flexible project manager
- DSP/BIOS(TM) real-time kernel
- Chip Support Library
- Board Test Package
- "Plug-in" ability for application software for additional functionality

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Current Version	Version Date	Host	OS
TMDXEVM5515: TMS320C5515 DSP Evaluation Module	\$395.00(USD)  In Stock <b>Typically Ships in 1 to 3 Business Days</b>  <a href="#">Buy from TI</a>	Pricing may vary.  <a href="#">Buy from distributor</a>	ACTIVE	v1.0	18 JAN 2010	PC	Microsoft Windows 2000/XP
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TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

## Technical Documents

### Third party documents (1)

Title	Date
<a href="#">Technical Documentation &amp; Schematics for C5515 EVM - from Spectrum Digital Inc.</a> <sup>TM</sup>	11 Dec 2012

### More literature (1)

Title	Date
<a href="#">Software Libraries Wiki -- In-depth technical and "how-to" articles, FAQs, etc.</a>	24 Mar 2011

## Related Products

### Design Kits & Evaluation Modules (2)

Name	Part Number	Tool Type
<a href="#">ADS1298ECG Front End Performance Demonstration Kit</a>	ADS1298ECGFE-PDK	Evaluation Modules & Boards
<a href="#">C5515 eZDSP USB Stick Development Tool</a>	TMDX5515EZDSP	Evaluation Modules & Boards

## TI Devices (8)

Part Number	Name	Product Family
<a href="#">TMS320C5504</a>	Fixed-Point Digital Signal Processor	16-bit Fixed-point
<a href="#">TMS320C5505</a>	Fixed-Point Digital Signal Processor	16-bit Fixed-point
<a href="#">TMS320C5514</a>	Fixed-Point Digital Signal Processor	16-bit Fixed-point
<a href="#">TMS320C5515</a>	Fixed-Point Digital Signal Processor	16-bit Fixed-point
<a href="#">TMS320C5532</a>	Fixed-Point Digital Signal Processor	16-bit Fixed-point
<a href="#">TMS320C5533</a>	Fixed-Point Digital Signal Processor	16-bit Fixed-point
<a href="#">TMS320C5534</a>	Fixed-Point Digital Signal Processor	16-bit Fixed-point
<a href="#">TMS320C5535</a>	Fixed-Point Digital Signal Processor	16-bit Fixed-point


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<b>TI-RTOS Update</b> Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
<b>Designing with Ultra Low Power Segmented Displays</b> Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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