

My products
No Products in your history

My technical documents
No documents in your history

My searches
No Searches in your history

TI Home > Semiconductors > Data Converters > DAC3484 Evaluation Module

Worldwide (In English)

DAC3484 Evaluation Module

(ACTIVE) DAC3484EVM

Description & Features

Technical Documents

Support & Community

Order Now

Description

The DAC3484EVM is a circuit board that allows designers to evaluate the performance of Texas Instruments' four-channel, ultra-low power, 16-bit, 1.25 GSPS DAC3484 digital-to-analog converter (DAC) with 16-bit or 8-bit wide DDR LVDS data input, integrated 2x/4x/8x/16x interpolation filters, 32-bit NCO and PLL, and exceptional linearity at high IFs. The EVM provides a flexible environment to test the DAC3484 under a variety of clock, data input, and IF output conditions. For ease of use as a complete IF transmitter solution, the DAC3484EVM includes the Texas Instruments CDCE62005 clock generator/jitter cleaner for clocking the DAC3484. Besides providing a high-quality, low jitter DAC sampling clock to the DAC3484, the CDCE62005 also provides FPGA clocks to the TSW1400EVM (or TSW3100EVM) as FPGA reference clocks.



DAC3484EVM Top View

The EVM can be used along with TSW1400 (or TSW3100) to perform a wide range of test and measurements. The TSW1400 (or TSW3100) generates the test patterns which are fed to the DAC3484 through a 1.25 GSPS LVDS port. The on-board CDCE62005 can be used to synchronize the TSW1400 (or TSW3100) board to DAC3484EVM.

The DAC3484EVM is also compatible with Xilinx and Altera based FPGA EVMs and design kits for rapid evaluation and prototyping. The DAC3484EVM includes an HSMC input for direct connection to HSMC compatible Altera based FPGA EVMs. The FMC-DAC-ADAPTER board available from TI enables the connection of the DAC3484EVM to the FMC header on Xilinx based EVMs.

Features

- Comprehensive test capability for the DAC3484
- Direct connection to TSW1400/TSW3100 signal generator
- Includes CDCE62005 for clock generation or jitter cleaning
- Software support with a full featured GUI for easy testing and prototyping
- FMC-DAC-Adapter card compatible to connect with FMC interconnect headers available Xilinx based FPGA EVMs
- Direct compatibility with HSMC headers on Altera based FPGA EVMs

Available Versions

For more testing options, please refer to the table below.

Device	DAC output only	IQ-Mod output only
DAC3482	DAC3482EVM	TSW3085EVM
DAC3484	DAC3484EVM	TSW3084EVM
DAC34H84	DAC34H84EVM	TSW30H84EVM
DAC34SH84	DAC34SH84EVM	TSW30SH84EVM

Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS	REACH	WEEE	HI-V (>50VRMS/75 VDC)	CE	CE-EMC	CE-RTTE/LVD	FCC	Batteries	Enclosure	Ext Power Supply
DAC3484EVM: DAC3484 Evaluation Module	\$499.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	No	No	No

TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

Technical Documents

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
DAC348XEVM Design Pkg Board rev F		ZIP	3817	11 Oct 2012	235
DAC348x EVM User's Guide		PDF	1137	15 Feb 2012	509

Related Products

Software (1)

[DAC348x EVM Software GUI \(Rev. B\)](#)
(ZIP, 105658 KB) 236 views, 29 Feb 2012

Design Kits & Evaluation Modules (6)

Name	Part Number	Tool Type
DAC3482 Evaluation Module	DAC3482EVM	Evaluation Modules & Boards
DAC34H84 Evaluation Module	DAC34H84EVM	Evaluation Modules & Boards
High Speed DAC to FMC (Xilinx) Header Adapter Card	FMC-DAC-ADAPTER	Evaluation Modules & Boards
High Speed Data Capture and Pattern Generation Platform	TSW1400EVM	Evaluation Modules & Boards
HSDC-SEK-10 System Evaluation Kit	HSDC-SEK-10	Development Kits
TSW3100 Pattern Generator Module	TSW3100EVM	Evaluation Modules & Boards

[Show More](#)

TI Devices (8)

Part Number	Name	Product Family
CDCE62005	5/10 Outputs Clock Generator/Jitter Cleaner with Integrated Dual VCO	Clock Generators
DAC3482	2-channel 16-bit 1.25GSPS Digital-to-Analog Converter	Digital to Analog Converter
DAC3484	4-channel 16-bit 1.25GSPS Digital-to-Analog Converter	Digital to Analog Converter
DAC34H84	4-channel 16-bit 1.25GSPS Digital-to-Analog Converter	Digital to Analog Converter
DAC34SH84	Quad-Channel, 16-Bit, 1.5 GSPS Digital-to-Analog Converter (DAC) .	Digital to Analog Converter
TRF370315	350 MHz to 4.0 GHz Quadrature Modulator, 1.5V common-mode voltage	Broadband RF/IF
TRF370417	50MHz to 6.0 GHz Quadrature Modulator, 1.7V common-mode voltage	Broadband RF/IF
TRF372017	300 MHz to 4.8GHz Quadrature Modulator with integrated wideband PLL/VCO	Broadband RF/IF

[Show More](#)

Support and Community

Wikis

[Visit the TI Wiki](#)

TI E2E™ community



As a member of [my.TI](#) you can join the [TI E2E™ Community](#) where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See [Terms of use](#).

Engage in the Community

- [Amplifiers](#)
- [Broadband RF/IF & Digital Radio](#)
- [Clocks & Timers](#)
- [Data Converters](#)
- [DLP® & MEMS](#)
- [Interface](#)
- [Logic](#)
- [Power Management](#)
- [Wireless Connectivity](#)

Training & events

Name	Type	Available During
------	------	------------------

Georgia Tech MOOC: Control of Mobile Robots Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
Designing with Ultra Low Power Segmented Displays Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

[See more training & events](#) ▶

Customer Tags ?

No Tags are Available for this Part Number

Create a Tag

Other Support

- [TI E2E Community](#)
- [Contact Technical Support](#)

Your History

Products You Recently Viewed

There are no items in your history.