Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

EVALUATING THE AD9652 16 bit, 310 MSPS DUAL ANALOG-TO-DIGITAL CONVERTERS

Preface

This user guide describes the AD9652 evaluation board, AD9652-310EBZ, which provides all of the support circuitry required to operate this part in its various modes and configurations. The application software used to interface with the devices is also described.

The AD9652 data sheet provides additional information and should be consulted when using the evaluation board. All documents and software tools are available at www.analog.com/hsadcevalboard. For additional information or questions, send an email to highspeed.converters@analog.com.

Features

- Full featured evaluation board for the AD9652
- SPI interface for setup and control
- Balun/transformer or amplifier input drive option
- On-board LDO regulator needing a single external 6 V, 2 A dc supply
- VisualAnalog® and SPI controller software interfaces

Helpful Documents

- AD9652 data sheet
- High Speed ADC Capture Evaluation Kit Rev C (HSC-ADC-EVALCZ)
- AN-905 Application Note, *VisualAnalog Converter Evaluation Tool Version 1.0 User Manual*
- AN-878 Application Note, *High Speed ADC SPI Control Software*
- AN-877 Application Note, *Interfacing to High Speed ADCs via SPI*
- AN-835 Application Note, *Understanding ADC Testing and Evaluation*

Quick Start User Guides

User Guide for the AD9652 quickstartguide_ad9652_custbrdr3_revision0.pdf

AD9250/AD6673 Evaluation Board Files

AD9652 Evalaution Board Schematic PCB12048 Rev C ad9652_evb_12048_c.pdf
AD9652 Evalaution Board BOM PCB12048 Rev C ad9652_evb_12048_c_bom.xls
AD9652 Evaluation Board Gerber Files : Upon request

AD9652 Evaluation Setup Files

File required for **HSC-ADC-EVALCZ**: FPGA-BASED DATA CAPTURE KIT
Visual Analog Files : ad9652customer_visualanalog_files.zip
SPI Controller Files : ad9652customer_spi_controller_files.zip

AD9652 Ibis Model Files

AD9652 Ibis Model : TBD

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