Motherboard/controller for the AMC1210

(ACTIVE) TIDA-RESOLVER-APPLICATIONS-REFERENCE-DESIGN

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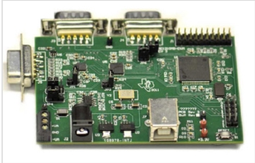
Description

This reference design is a complete solution for resolver applications and part of a modular system for evaluating TI delta-sigma modulators. The software included allows use of the AMC1210 in a variety of configurations for resolver and current shunt applications and features a data-export utility to support data analysis with external tools.



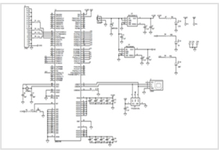
Features

- Full-featured evaluation board for the AMC1210 quad digital filter for second-order delta-sigma modulators
- Contains all support circuitry needed for the AMC1210
- Onboard clocking for built-in ADS1205
- D-connectors for connecting ΔΣ modulator EVMs
- Easy-to-use evaluation software for computers with Microsoft Windows™ XP operating systems
- Data collection and register access to AMC1210

$ 149.00(USD) Buy from TI

Schematic/Block Diagram

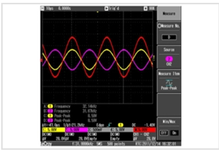
Quickly understand overall system functionality.



Download Schematic

Test Data

Get results faster with test and simulation data that's been verified.



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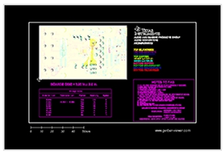
Design Files

Download ready-to-use system files to speed your design process. Get Viewer.



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Part Number	Buy from Texas Instruments or Third Party	Status
AMC1210MB-EVM: AMC1210MB-EVM	$ 149.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	ACTIVE

TI Devices (6)

Order samples, get tools and find more information on the TI products in this reference design.

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
ADS1205	Two 1-Bit, 10MHz, 2nd-Order, Delta-Sigma Modulator A-to-D Converter	Analog to Digital Converter	Sample & Buy	View Design Kits & Evaluation Modules
ADS1209	Two, 1-Bit, 10MHz, 2nd-Order Delta-Sigma Modulators with +/-2.3V specified input range	Analog to Digital Converter	Sample & Buy	View Design Kits & Evaluation Modules
AMC1203	1-Bit, 10MHz, 2nd-Order, Isolated Delta-Sigma Modulator	Analog to Digital Converter	Sample & Buy	View Design Kits & Evaluation Modules

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Bill of Materials

Find the complete list of components in this reference design.

Download BOM

CAD/CAE Symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
ADS1205	VQFN (RGE) | 24	Download	-
ADS1209	TSSOP (PW) | 24	Download	Download
AMC1203	SOP (DUB) | 8	Download	-
	SOP (PSA) | 8	Download	-
	SOIC (DW) | 16	Download	Download
AMC1204	SOIC (DW) | 16	Download	Download
OPA1632	SOIC (D) | 8	Download	Download
	HVSSOP (DGN) | 8	Download	Download
OPA353	SOT (DBV) | 5	Download	Download
	SOIC (D) | 8	Download	Download

Texas Instruments and Accelerated Designs Inc. have collaborated together to provide TI customers with schematic symbols and PCB layout footprints for TI products.

Step 1: Download and install the Ultra Librarian software ZIP: 62MB

Step 2: Download the Symbol and Footprint .bxl file.

- read more -

Technical Documents

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
AMC1210MB-EVM Test Procedure		ZIP	463	24 Jun 2013	493
PCB for AMC1210MB-EVM		ZIP	645	24 Jun 2013	404

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
BOM for AMC1210EVM-MB		ZIP	14	24 Jun 2013	165
Schematic for AMC1210		ZIP	37	24 Jun 2013	661

Related Tools & Software

Software (1)

Gerbers for AMC1210MB-EVM
(ZIP, 117 KB) 325 views, 24 Jun 2013

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