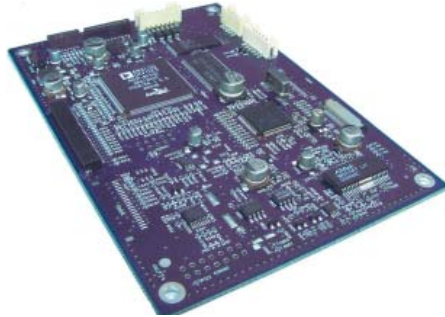


CD-100

CD-DA solution for high-end audio applications



Media Formats	Connectivity	Digital Audio Processing
CD-DA CD-ROM CD-R/W	Serial Command Interface Control: UART, I ² C, SPI	Q5 Sample Rate Converter with 384kHz Upsampling
Formats/Decoders	SPI Master for Bluetooth and Digital Radio Control	Sonic2 Linearity Enhancer
CD-DA/CD-TEXT WMA, MP3 AAC, FLAC	I ² S Input for Audio Postprocessing	High Quality Fidelity Synthesizer HQ-FS

Description

The BlueTiger **CD-100** is a high-end, CD/MP3/WMA player for lossy and lossless compressed audio, including a dedicated CD servo decoding software solution, specifically addressing the needs of premium CD audio players and integrated CD/DAB receivers with digital audio hub capabilities.

Features

- ◆ High level command interface (UART, I²C or SPI slave + IRQ)
- ◆ Predefined Commands for common features e.g. Program, Shuffle, Repeat, Search,...
- ◆ The Audio Masterclock can be internal or external, selectable by a logic level input, for superior DAC performance.
- ◆ Java based PC tool emulating a front board for fast application development
- ◆ Compatible with a wide range of loaders and OPU's: JPL-2580 tray- & JPSL-33 slot-loader with Sony KHM313 or Sanyo SF-HD850 OPU
- ◆ Error correction statistics are available on the serial interface
- ◆ Q5™ sample rate conversion and Sonic2™ advanced linearization technology
- ◆ MP3, WMA, AAC*, FLAC* in 24 bit/96 kHz (* optional).
- ◆ HQFS*, High Quality Fidelity Synthesizer (* optional).
- ◆ Compatible in size and connectoins with SD 6.3 SACD PCB.
- ◆ Enduro™ CD Servo Error Recovery System running on Blackfin DSP.

Overview

BlueTiger is a connected CD and DVD optical drive platform built on Analog Devices Blackfin® processor. BlueTiger reference solutions are comprised of a hardware platform, a high quality CD/DVD loader, and a customizable software framework that enables manufacturers to significantly improve time-to-market and lower development costs when responding to new market opportunities in media convergence.

Applications

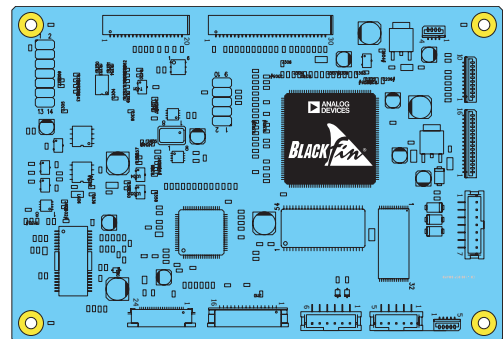
- ◆ CD/MP3/WMA Players and Receivers
- ◆ Source Selectors with Audio Postprocessing

Benefits

- ◆ Reduced development and total system cost through platform and product line development.
- ◆ Reduced time-to-market with cost-optimized hardware platform.
- ◆ Differentiation through custom software digital Audio processing algorithms

Availability

In mass-Production, a Development Kit is available



Further Information

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