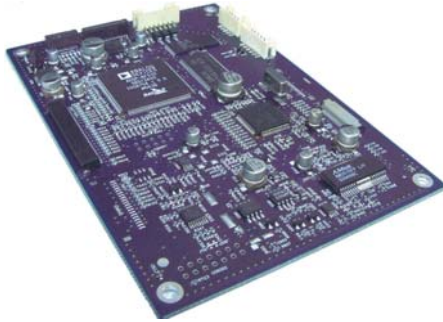


CD-100FLAC

CD-DA/MP3/WMA/FLAC module for high-end audio



Media Formats	Connectivity	Digital Audio Processing
CD-DA CD-ROM CD-R/W	Serial Command Interface Control: UART, I ² C, SPI SPI Master for Bluetooth and Digital Radio Control I ² S Input for Audio Postprocessing	Q5 Sample Rate Converter with 352kHz Upsampling Sonic2 Linearity Enhancer Asynchronous resampling from external I ² S input to internal MCLK
Formats/Decod-		
CD-DA/CD-TEXT WMA, MP3 FLAC up to 96/24		

Description

The BlueTiger CD-100 is a high-end, CD/MP3/WMA and high definition FLAC player with 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)
- 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.
- A PC application - emulating a front board - is available 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-HD870 OPU
- Q5™ sample rate conversion and Sonic2™ advanced linearization technology
- High definition decoding of MP3, WMA and FLAC up to 24 bit/96 kHz.
- Powerful Error Correction and other statistics are available in real time.

Overview

BlueTiger is a connected CD, DVD and BD 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

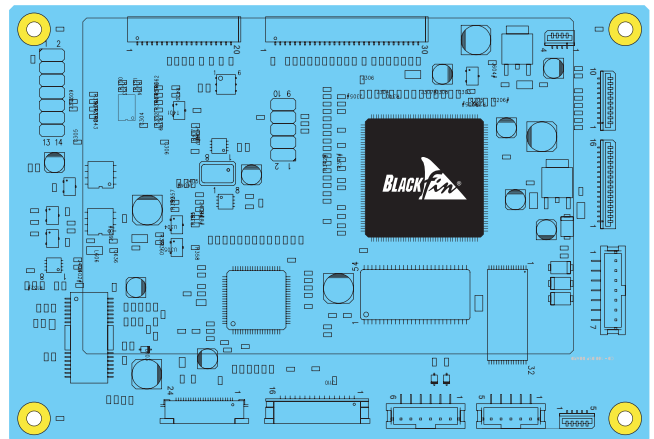
- CD/MP3/WMA/FLAC Players and Receivers
- Source Selectors with Audio Postprocessing

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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