

TimeLock™ Overview

TimeLock is a highly accurate ultra-low jitter master clock generator that reduces system noise and digital artifacts (including digital jitter) in digital to analog conversion and digital transports. It is generally accepted clocking and the quality of the “master clock” play a critical role is the conversion of digital audio to time realistic analog signals. When the TimeLock master clock is also combined with the acclaimed Q5 Upsampling which resynchronizes audio data between the audio source and the DAC or transport, the result is highly accurate digital audio signals for superior analog conversion creating extraordinary spacious, richly detailed sound from virtually any digital audio source.

Applications

- » CD/SACD/DVD players and recorders
- » High performance D/A Converters
- » Professional studio equipment

Availability

- » Hardware Modules
- » Evaluation Kits
- » Technology and Manufacturing License for OEMs

About ANAGRAM

ANAGRAM Technologies is a leading supplier of technology that allows OEMs to create and integrate spacious, richly detailed sound in innovative product designs based on industry-standard components and processes. It provides SoC, DSP, and FPGA platform developers with intellectual property (IP) solutions in the form of sample rate converters, sigma-delta D/A converters, digital power amplifiers, DSP audio processing algorithms, wireless digital audio subsystems, related software and development tools.

Further Information

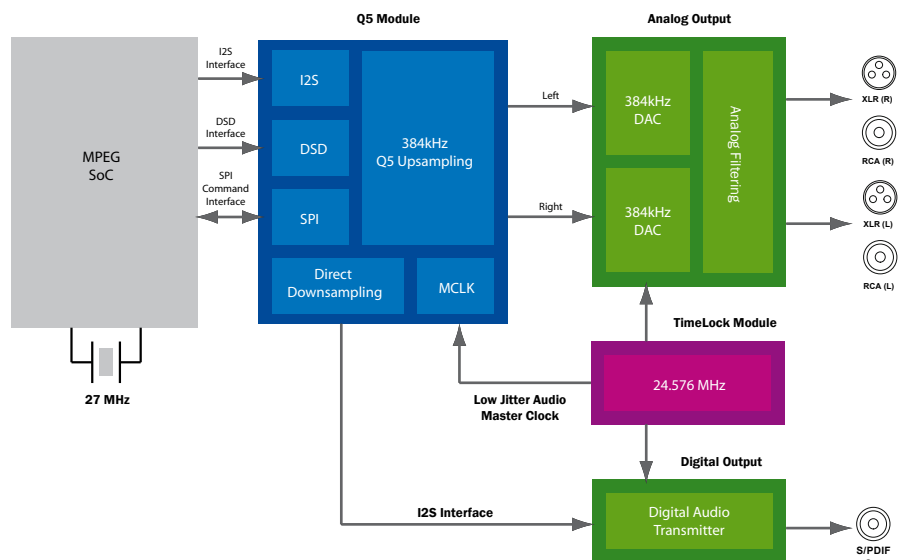
ANAGRAM Technologies
 Z.I. Le Tres 6A
 1028 Preverenges
 Switzerland
 Phone: +41 21 804 1960
 Email: sales@anagramtech.com

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Features

- » Ultra-low jitter master clock with < 1ps of RMS jitter
- » Wide range of frequencies available from 10 to 40 MHz
- » Incorporates high grade natural quartz crystal
- » LVCMOS / LVTTTL 3.3V outputs
- » Separately regulated power supplies for critical circuitry
- » Clock synchronization
- » No MCU required for operation

CD/SACD Application with Q5



DVD-Audio Application with Sonic2

