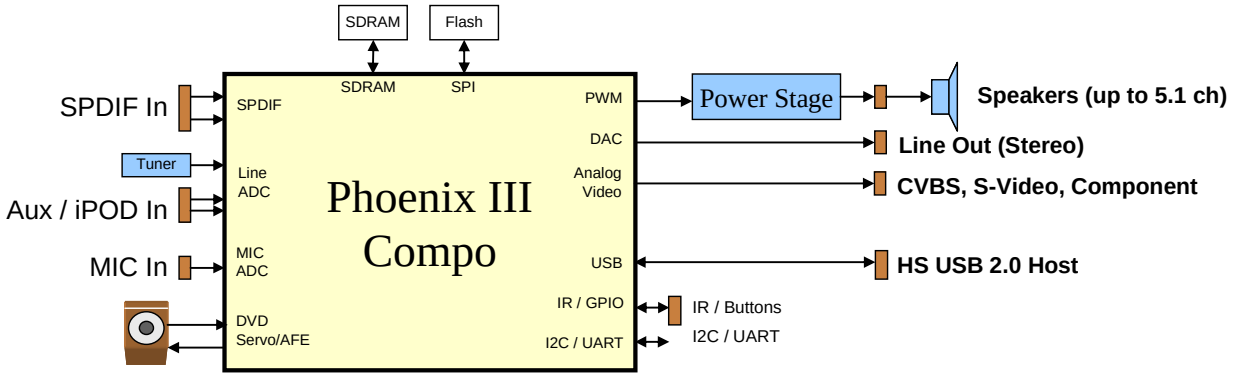
ESS Technology, Inc.

ES8396
Phoenix III Compo DVD/HTiB Processor
Product Brief

OVERVIEW



The Phoenix III Compo is a DVD/HTiB processor targeted for non-HDMI DVD home-theater receivers, soundbars and mini-component systems applications.

The Phoenix III Compo enables the lowest system BOM cost by integrating all DVD and home theater audio processing functions in a 216-pin Low Profile Quad Flat Pack (LQFP) package.

KEY FEATURES

Feature	Benefit
Highest integration for non-HDMI DVD home theater receivers and soundbars	Lowest system BOM cost
Field proven DVD/HTiB Decoder Core • CD/VCD/DVD/DivX/MP3/WMA Decoder • 5th generation DVD/CD Servo/AFE • HS USB 2.0 Host Controller	• Playback all popular A/V formats • Superior media compatibility & playability • Smooth media playback from thumb-drives
Video Out • Motion Adaptive Video Deinterlacer • Analog video out	• Superior video quality • Compatible with analog TV
Audio Post-processing • Dedicated Audio DSP • Hardware Speaker Filters & Downmix	• Customizable sound effects • Reduce CPU loading
Audio Out • 6ch PWM/DAC • 2ch DAC	• Field proven, best-in-class Class D controller • Downmix Stereo output
Audio In • SPDIF receiver w/ 2-input MUX • Stereo ADC w/ 3-input MUX • MIC ADC with digital echo mixer	• Eliminate external SPDIF receiver • Eliminate external audio ADC • Eliminate MIC ADC & Echo chip