
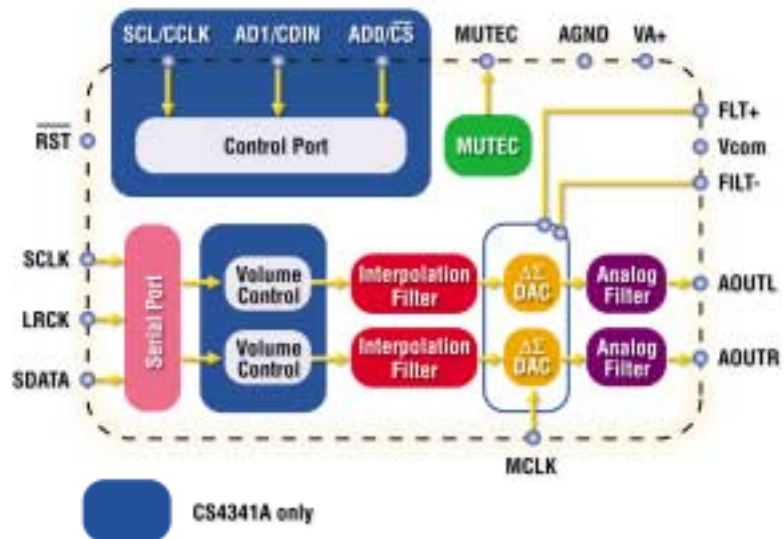


## New $\Delta\Sigma$ Stereo DACs Are Ideal for Mass-Market DVD-Audio Players

### CS4340A/CS4341A Features

- Complete stereo D/A converter system
- 24-Bit conversion
- Up to 200 kHz sample rates
  - DVD-Audio compatible
- Automatic sample rate detection
- 101 dB dynamic range
- 91 dB THD+N
- Low clock jitter sensitivity
- Filtered line level outputs
- On-chip digital de-emphasis for 44.1 kHz
- +3.3 V to +5.0 V power supply
- 50 mW with 3 V supply
- PopGuard® technology for control of clicks and pops
- Digital volume control (CS4341A)
- Pin compatible with CS4340 and CS4341
- Available in a 16-pin SOIC  *Actual Size*
- CS4340A Price: \$1.11 (50K)  
CS4341A Price: \$1.24 (50K)



CS4340A and CS4341A are new  $\Delta\Sigma$  Stereo DACs that support next generation audio formats like DVD-Audio – they're ideal for a wide range of consumer entertainment applications like DVD-Audio players, digital A/V receivers, DVD-Recorders, and automotive audio systems. Both are complete, stereo digital-to-analog systems including digital interpolation,  $\Delta\Sigma$  digital-to-analog conversion, digital de-emphasis, and switched capacitor analog filtering. Their major advantages include: ideal differential linearity, no distortion mechanisms due to resistor matching errors, no linearity drift over time and temperature, and a high-tolerance to clock jitter. Each supports all standard audio sample rates up to 192 kHz, consumes very little power, and operates over a wide power supply range. Featuring 101 dB dynamic range, CS4340A and CS4341A deliver superior sound quality at an unprecedented low price. CS4341A also includes digital volume control. Both DACs offers true ease of implementation, lower overall system costs, and shorter design cycles. CS4340A and CS4341A's features and competitive pricing make them perfect for mass-market consumer entertainment products. They're also pin compatible with CS4340 and CS4341. Try these innovative DACs in your next DVD-Audio player application.

CS4340A and CS4341A are Cirrus Total-E™ IC solutions specifically designed for consumer entertainment electronics.