

PRODUCT OVERVIEW



WM8720

24-BIT, 96KHZ STEREO DAC WITH VOLUME CONTROL

The WM8720 is a high performance stereo DAC designed for audio applications such as CD, DVD, home theatre systems, set top boxes and digital TV. The WM8720 supports data input word lengths from 16 to 24-bits and sampling rates up to 96kHz. The WM8720 consists of a serial interface port, digital interpolation filter, multi-bit sigma delta modulator and stereo DAC in a small 20-pin SSOP package. The WM8720 also includes a digitally controllable mute and attenuator function on each channel.

The WM8720 supports a variety of connection schemes for audio DAC control. The SPI-compatible serial control port provides access to a wide range of features including on-chip mute, attenuation and phase reversal. A hardware controllable interface is also available.

The programmable data input port supports a variety of glueless interfaces to popular DSPs, audio decoders and S/PDIF and AES/EBU receivers.

ORDERING INFORMATION

DEVICE	TEMP. RANGE	PACKAGE
XWM8720EDS	-25 to +85°C	20-pin SSOP

FEATURES

- Performance:
 - 102dB SNR ('A' weighted @48kHz),
 - THD: -95dB @ 0dB FS
- 5V or 3.3V supply operation
- Sampling frequency: 8kHz to 96kHz
- Input data word: 16 to 24-bit
- Hardware or SPI compatible serial port control modes:
 - Hardware mode: system clock, reset, mute, de-emphasis
 - Serial control mode: mute, de-emphasis, digital attenuation (256 steps), zero mute, phase reversal, power down
- Compatible with PCM1720

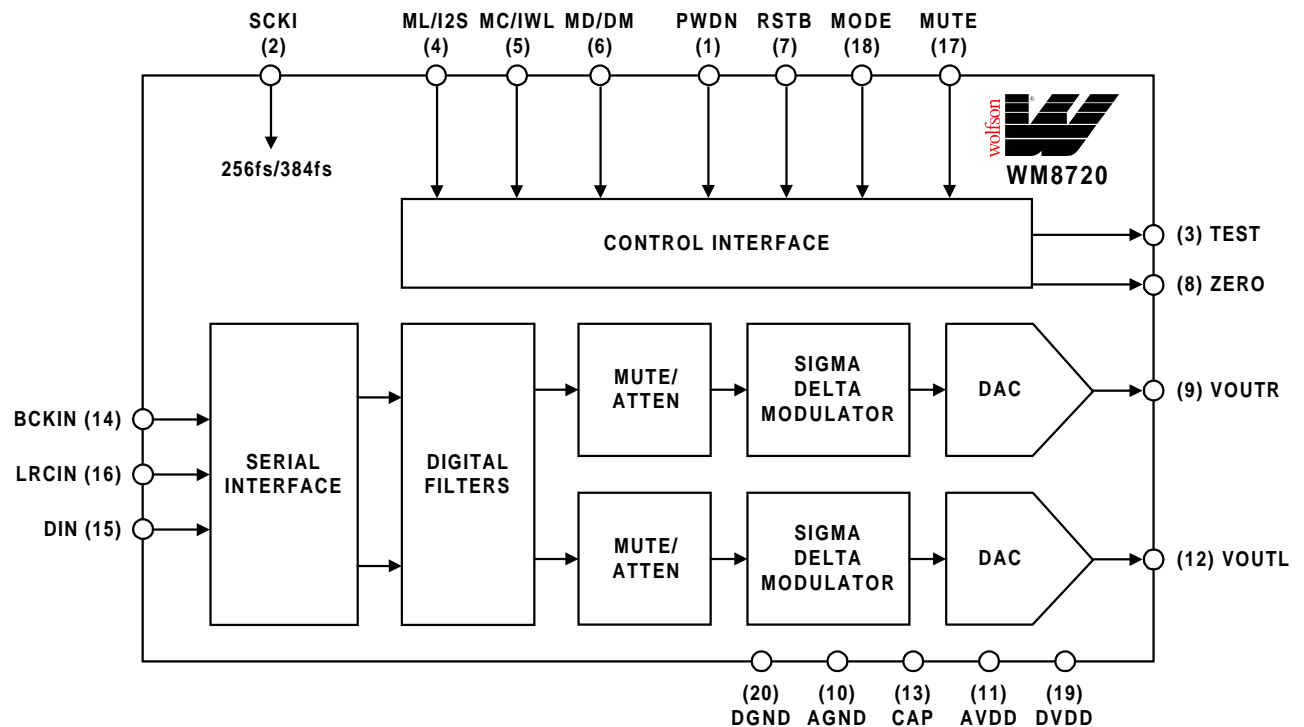
APPLICATIONS

- CD, DVD audio
- Home theatre systems
- Set top boxes
- Digital TV

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WM8720 BLOCK DIAGRAM



PIN OUT

