

AK4490REQ

MP

120dB 768kHz / 32-bit Stereo Premium DAC

Description

The AK4490REQ is a stereo premium 32-bit DAC, with AKM's VELVETSOUND™ technology that has been widely adopted by well-established high-end audio companies. This technology realizes fine sound details with its low-distortion architecture in addition to 32-bit resolution digital filter processing. The digital input supports up to 768 kHz PCM and DSD256, suitable for high-resolution audio source playback. Six digital filters are integrated into the DAC realizing simple and flexible sound making it ideal for in wide range of applications.

Key Features

- Best balance performance and power consumption
- High-rate playback; PCM 768kHz, DSD256
- PCM/DSD automatic switching function

Applications

High-end Audio, Professional Audio, AV Receivers, CD / SACD Players, Network Audio, USB DAC's, USB Headphones, Sound Plates, Sound Bars, PA Equipment, Bluetooth Headphones, HD Audio, Voice Conference Equipment, IC Recorders, Measurement Instruments, Control Systems

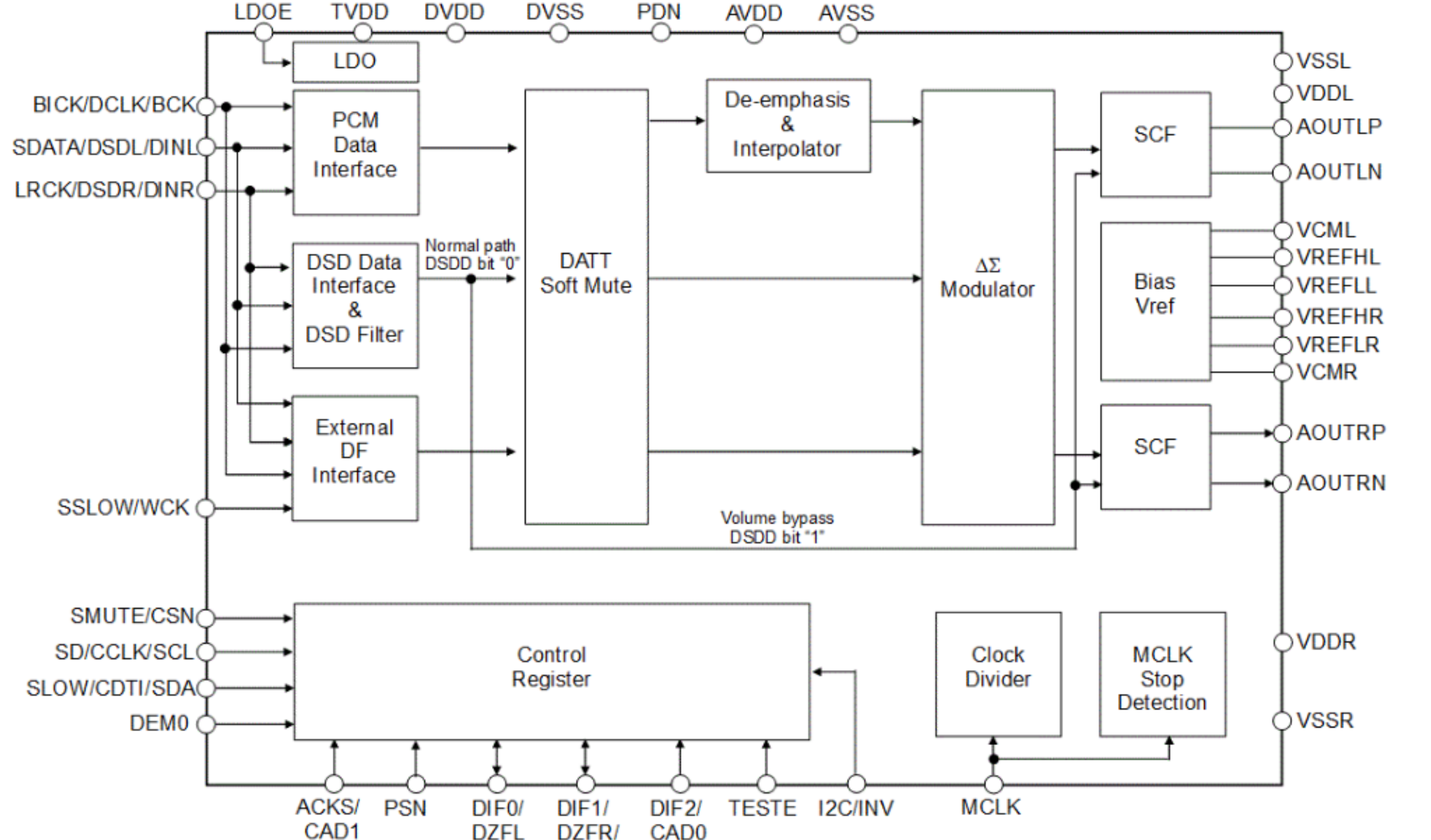
Specifications

Part Number	AK4490REQ
Number of Channels	2
Analog Output Type	Differential
Bits [bit]	32
THD+N [dB]	-112
S/N [dB]	120(123*)
Power Supply Voltage (MIN.) [V]	4.75 / 3.0 / 1.7
Power Supply Voltage (TYP.) [V]	5.0 / 3.3 / 1.8
Power Supply Voltage (MAX.) [V]	5.25 / 3.6 / 1.98
2Vrms Line Driver	
Headphone Amplifier	
Other	VELVETSOUND
Operating Temperature [°C]	-40to 85
Device Package	LQFP
Number of Pins	48

Product Information

Part Status	MP
Pb Free	
Halogen Free	
MSL	MSL2
Packaging	TAPE
JEDEC Standard Packaging	Compliant
Minimum Order Quantity [pcs.]	250
Replacement P/N	

Block Diagram



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AK4490REQ Datasheet
English [211100164-E-00]
(104 Pages PDF: 3.76MB)

AKD4490R EVB Manual
English [KM136100]
(64 Pages PDF: 3.23MB)

AK4490REQ Application Note
English [v1.1]
(6 Pages PDF: 254KB)

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