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**High Performance 32-bit Stereo DAC Optimized for Sound Quality**

San Jose, CA December 19, 2008 — AKM Semiconductor (AKM), the world's premier supplier of audio ICs for professional and consumer markets, today launched the AK4399, a high performance 32-bit stereo DAC that achieves 123dB dynamic range for stereo and 126db for mono outputs. It is the newest member of the Audio4pro™ family, and it is the highest performing device in the 32-bit DAC series. An innovative design technique utilizing a symmetrical layout for the left and right channels prevents signal quality deterioration, and a 32-bit digital operation block provides full 32-bit processing.

Achieving very high dynamic performance, the AK4399 features -105dB THD+N and 123dB dynamic range in stereo mode. The device features fully differential outputs, digital attenuator, de-emphasis filter, soft mute circuit and zero detection. The sampling rate ranges from 30kHz to 216kHz, and the operating voltage is 5V.

Two digital filters are integrated into the AK4399: a sharp roll-off filter for high fidelity audio and a short delay filter that has no impulse noise pre-ring for live performance applications. In addition, 32-bit digital audio data can be input directly to the delta-sigma modulator without passing into the integrated digital filters, allowing for use of an external digital filter.

The AK4399 supports DSD (Direct Stream Digital) or PCM data input. Since the AK4399 contains an integrated low-pass filter only for DSD data, the required performance in the SACD format book (Scarlet Book) can be easily realized with a simple external analog filter. The output level is the same for either PCM or DSD input data, as well as external digital filter input. Volume control is independent of the type of data input.

The AK4399 is an upward compatible device from the AK4390, enabling an easy system upgrade. Supporting both PCM and DSD audio data, the AK4399 is ideal for high-end audio equipment, including high-end Blu-Ray, DVD-Audio, and SACD players, AV receivers and digital mixers. Evaluation boards and samples are available now. For more information or editorial contacts about this product, call AKM toll-free at (888) 256-7364.