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## **AK4685 Press Release**

### **Audio CODEC with a Cap-less Headphone Amp Supports Differential Input/Output**

San Jose, CA July 15, 2009 — AKM Semiconductor today launched the AK4685, a single chip multifunction audio CODEC with a stereo headphone amplifier. The AK4685 is the newest member of a family of single chip audio CODEC's for DTV systems that are already widely used in digital televisions, including the AK4683 and AK4682. The AK4685 expands the number of A/D channels to four, enabling higher-quality performance by supporting picture-in-picture functions, as well as providing differential input/output and a stereo capacitor-less headphone amplifier.

The integrated stereo headphone amplifier eliminates the need for large AC-coupling capacitors, reducing cost and saving board space. The differential inputs and outputs cancel noise on analog signal lines, helping to increase the audio performance of the TV set. An analog mute function controlled by pin settings avoids pop noises on power-up or down, even when the power cord is suddenly disconnected. With a 3-port serial audio DSP interface, the 4-channel ADC and 2-channel DAC of the AK4685 can be operated asynchronously.

The AK4685 is available in a 64-pin LQFP package. Evaluation boards and samples are available now. For more information, contact AKM Semiconductor at 888-256-7364, or visit [www.akm.com](http://www.akm.com).

### **About AKM Semiconductor**

AKM Semiconductor (AKMS) is a wholly owned subsidiary of Asahi Kasei EMD Corporation, Tokyo, Japan. AKMS, located in San Jose, California, offers sales, marketing and design support for North and South American customers. AKM designs and manufactures CMOS mixed signal integrated circuits for applications including audio, multimedia, data storage, and telecommunications. North American headquarters are located at 1731 Technology Drive, Suite 500, San Jose, CA 95110.

### **About Audio4home™**

The Audio4home™ brand identifies AKM consumer audio products designed for applications including A/V receivers, set-top boxes, speaker systems, digital video systems, digital televisions and in-vehicle entertainment. The Audio4home™ brand product range provides high performance solutions with high quality sound.