



### **Third Generation Audio Decoder IC**

Tampere, Finland, 25 February 2005 – VLSI Solution has announced VS1003 audio decoder circuit.

VS1003 is the most enhanced audio decoder of VLSI Solution's audio product family. It integrates three major audio compression decoder technologies (MP3, WMA and WAV), variable sample rate interpolation filters and high quality analog to digital converters including direct dc coupled earphone driver. In addition it has VLSI's in house PlusV decoder technology and SP-midi support for special applications, such as ring melodies or games.

The device operates from any frequency between 12 and 13 Mhz. This makes it possible to operate the device synchronously from existing USB or GSM clock domains.

Opposite to many other audio decoders the device uses digital signal processing instead of PLL to overcome the sample rate conversion problem due to flexible master clock. This technology makes the sound of VS1003 crystal clear.

The device operates from wide range of operating voltages and has one of the lowest power consumption figures of the audio decoder market. This makes the device very suitable for portable applications.

VS1003 is offered in two packages LQFP-48 7x7x1.4mm and BGA49 7x7x0.9 mm. Both packages are fully "green" according to the RoHS directive.

The samples of the device are immediately available. Volume production will start in April. Evaluation kit with all source code included (see picture below) is offered for fast prototyping.

