New 6 & 8 Channel Surround Sound Codecs Deliver 192 kHz
Perfect for AVRs, DVD Receivers and Automotive Systems

The CS42516/26/18/28 are highly integrated 24-bit, surround sound CODECs. These six or eight channel CODECs support 192 kHz making them an ideal choice for AVRs, DVD receivers, digital mixing consoles and automotive audio systems. By integrating two ADCs and six or eight DACs along with a S/PDIF receiver, all non-DSP functionality is on one chip—reducing overall system count from up to six parts to one in some cases. In fact, a two-chip AVR design is now a reality. And, this cost savings means manufacturers can now bring advanced features such as DVD-Audio into more affordable consumer systems.

This innovative CODEC family also provides optimum design flexibility and performance levels for a wide range of applications. Offered in six and eight channel versions, with each available in two performance categories—110 dB and 114 dB dynamic range—the devices deliver an effective solution with minimum design changes. Actually, the pin-compatible parts can be easily exchanged depending on the level of performance needed. You can take advantage of a variety of one-line data modes (OLMs) by adding two external ADCs.

The CS42516/26/18/28 are Cirrus Total-E™ ICs specifically designed for consumer entertainment electronics.