Philips announces one-chip analog car radio solutions for low-cost, high-performance tuning

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Royal Philips Electronics (NYSE: PHG, AEX: PHI), a leader in analog and DSP car radio semiconductor solutions, introduced a family of one-chip analog car radio solutions that offers state-of-the-art tuning performance while reducing overall system costs. By combining Philips' proven front-end tuning and analog signal processing technologies, the highly-integrated TEF690x family of chip solutions drastically reduces the number of external components needed to build high-performance car radios and simplifies the design process to reduce system costs of existing two-chip solutions by 20-30 percent.

Facing continuous price pressure in the market, manufacturers are demanding more cost-efficient solutions for car radio, creating a trend for more integrated solutions. Addressing this trend, Philips is meeting customer demand for one-chip solutions that offer the complete front-end and analog signal processing features necessary to build high-quality analog car radios. This includes an AM/FM tuner, stereo decoder, adaptive IF bandwidth control, Precision Adjacent Channel Suppression (PACS), and advanced weak signal processing.

Furthermore, the TEF690x devices offer a highly-flexible input selection and the option of an integrated RDS demodulator and/or the connection of an external sound processor or navigation/beep input. This variable feature set enables car radio manufacturers to serve worldwide markets in Asia, Europe and the United States with only one single

platform.

Philips' TEF690x chip solutions feature autonomous tuning actions, reducing the amount of software development required for the uC, and thus further reducing overall system costs for worldwide car radio manufacturers.

Availability

Philips' TEF690x devices are sampling now with mass production to begin in 2005. Four different devices will be available, including the TEF6902, which incorporates all the standard features of the TEF690x range into a 64-pin package, and the TEF6901, which will also feature an integrated RDS demodulator in a 64-pin package. Philips' TEF6903 (with an integrated RDS demodulator) and the TEF6904 will both include external processor I/0 and will be available in 80-pin packaging.

Source: www.semiconductors.philips.com/