New member in the Fakra/HSD family

Munich, July 2015 - Yamaichi Electronics has announced the HF109P, a standard HSD connector, further reinforcing its position as a competent partner for the automobile industry.

The FAKRA and HSD series from Yamaichi Electronics, first presented at IZB in Wolfsburg in 2014, has been expanded with a new product. The HF109P is a new member of the HSD family, joining the HF107P, an HSD with a ring shield, and the HF108P, an HSD with two additional power contacts.

The HF109P series is a standard HSD without a ring shield, initially available in B, E, and F coded versions. Additional versions are currently in progress.

Of course, this product also meets the requirements for HSD interfaces (High Speed Data). This connector system is used for signals like USB or IEEE1394, for example. For the HSD interface, signals are transmitted using LVDS (Low-Voltage Differential Signalling). This prevents crosstalk between signals and interference from external influences as well as possible. The system is 100 ohm impedance controlled, so it brings top quality to signal transmission.

The HF109P also has mechanical features including two locking stages for particularly secure interlocking, and contact protection on the contacts. Of course, their design takes the special requirements of the automotive industry into consideration, so the system is specially developed and tested for environmental influences, vibrations, shock and long service life.

The metal housing is die-cast zinc, with gold-plated centre contacts with tinned through-hole solder contacts. All products are available in Tape&Reel packaging. They are fabricated at a TS16949 certified facility.

With this addition, Yamaichi Electronics now has an extensive portfolio of standard I/O interfaces for automotive applications, which will continue to be built out in the future.

The portfolio includes, for example, 90° FAKRA versions in numerous codings, different versions of the HSD series, and HDMI Type E, which was also specifically developed for automotive requirements. Yamaichi also offers a strong line of card readers for Nano, Micro and standard SIM cards for years, as well as for MicroSD and SD cards.

All this makes Yamaichi Electronics and excellent partner in the automotive market, continually expanding its product lines to align them to the needs of the market. For many years, Yamaichi Electronics has been a reliable partner whose products are used by all well-known OEMs. In addition to the I/O connectors, Yamaichi Electronics offers a wide variety of other products for automotive applications: computing module connectors and internal board-to-board and board-to-cable systems. Deepening of product series, especially in the high-speed arena, is a core competence of Yamaichi Electronics.

About Yamaichi Electronics

Yamaichi Electronics is a market leader for Test & Burn-In sockets, connectors and connection systems. Their reliability and functional dependability are absolutely essential for the success of the overall project. Yamaichi Electronics established themselves on the world market very quickly as a manufacturer of high-quality, reliable components for demanding applications in various markets and applications: semiconductor, industrial automation, automotive, data networking, measurement & testing, medical, mobile computing, consumer, and many more.

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