

Data Networking: CFP2 transmits 56Gbps per Channel

Munich, June 2016 – Yamaichi Electronics is a market leader for CFP high-speed connectors for hot-pluggable optical transceiver form factors to enable 100Gbps applications.

As a result Yamaichi Electronics has developed a new CFP2 56Gbps host and plug connector system. It is mainly used for Analogue Coherent Optics Modules or CFP2 modules requiring reliable high-speed performance. This connector system is able to support applications using 25Gbps x 10 channels or 50Gbps x 4 channels etc.

Yamaichi Electronics is listed as an official supplier reviewing company within CFP Multi-Source Agreement (MSA). Yamaichi already launched a complete range of CFP, CFP2, CFP4 and CFP8 connector systems all following to MSA specification, and supporting major customers' 100G components. This new CFP2 56Gbps connector is also fully designed in accordance with the MSA specification.

Comparing to general CFP2 28Gbps connectors, both insertion loss and return loss of the CFP2 56G connector are better by approximately 2db. At 28GHz, the insertion loss of CFP2 28Gbps connector is -4.5dB whereas the CFP2 56Gbps connector has only -2dB. S-parameter and all measurement reports such as insertion loss, return loss, and cross talk can be provided on request.

Mechanical features are compatible with the CFP2 28Gbps connector. Therefore the CFP2 28Gbps and 56Gbps

connectors are mating-compatible. The mechanical kit of CFP2 28Gbps includes cage, connector cover, heatsink, and clip. They are applicable to be used with the CFP2 56Gbps connector.

After launching this connector, Yamaichi Electronics is now preparing to bring the CFP8 connector system for 400G applications to the market.

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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, embedded computing, and others.

Yamaichi Electronics Deutschland GmbH

Concorpark, Bahnhofstr. 20, 85609 Aschheim-Dornach, Germany

Tel. +49 (0)89 – 4 51 09-0

Fax: +49 (0)89 – 4 51 09-110

info-de@yamaichi.eu

www.yamaichi.eu