

## **Yamaichi Electronics extends its M12 and Push-Pull Connector Series with CAT6<sub>A</sub> Versions**

**Munich, February 2016 – Yamaichi Electronics is expanding its M12 and push-pull connector series with a CAT6<sub>A</sub> version in each series.**

Yamaichi Electronics in Europe continues to work on building out its M12 product series Y-Circ<sup>®</sup> M and the push-pull circular connector series Y-Circ<sup>®</sup> P.

### **M12 with X coding and in protection class IP68**

Based on the familiar modular system of the Y-Circ<sup>®</sup> M, in which 360° shielding and vibration protection can be added by modular configuration, Yamaichi Electronics has now completed a CAT6<sub>A</sub> version. This X-coded, IEC 61076-2-109-compliant connector permits the interference-free transmission of signals up to 10 Gbit/sec. That highlights the competence of Yamaichi Electronics when it comes to the design and production of high-speed connectors.

### **Push-pull with high-speed insulators**

Special insulating inserts were developed for high-speed data transmission. To ensure conformity with CAT6<sub>A</sub>, the pin layout in the insulator was fully redesigned. This particular layout is available in the diameters of 12 and 15mm. So far, this is unique on the market. Even at the smaller size 12, 10Gbit/sec can be achieved. The customer can select the specific connector size in accordance with their requirements.

### **Industrial strength**

The M12 in CAT6<sub>A</sub> is also IP68 protected and meets the strictest quality standards for secure contact. The same is true

of the CAT6<sub>A</sub> push-pull in IP50. This is particularly vital for demanding applications in industrial environments.

### **Production in Germany**

To permit fast, flexible production, these high-speed versions in both series are also produced by Yamaichi Electronics in Germany. This location has been active for years in the area of cable configuration and the production of connectors.

Matthias Schuster, product manager for the entire Y-Circ<sup>®</sup> product family at Yamaichi Electronics, says this about the Y-Circ<sup>®</sup> M: "The version with X-coding is an extension of our existing CAT6<sub>A</sub> products in the RJ45 and push-pull areas. This permits Yamaichi Electronics to offer future-ready cabling from our own facilities for high data rates."

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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.

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