CIRC WORLDWIDE
Yamaichi Electronics, established 1956 in Tokyo, designs, manufactures and markets high performance interconnection components, including those for use in the most demanding applications of electronic systems. The portfolio covers high precision fine pitch IC sockets, connectors, cable assemblies and flexible printed circuits. Yamaichi has production facilities in Japan, the Philippines, Korea, China and Germany and employs 2,900 people worldwide.

EUROPE
Yamaichi Electronics Deutschland GmbH, located in Munich, is your European partner for connectivity solutions.

CONNECTOR SOLUTIONS
Portfolio: Industrial circular connectors push-pull (Y-Circ® P) and M12 (Y-Circ® M). Industrial RJ45 and USB connectors (Y-Con®). Special industrial and automotive connectors and cable assemblies. High speed connector systems, internal connectors, input/output connectors as well as card readers and production sockets.

QUALITY
Yamaichi Electronics is approved according to the current DIN EN ISO 9001:2015. The production in Frankfurt (Oder) is ISO 9001:2015 and ISO 14001:2015 certified.

PRODUCTION
In our production facility in Frankfurt (Oder) Germany, we manufacture connectors and cable assemblies as well as test contactors.

TEST SOLUTIONS
Portfolio: Test and Burn-in sockets, modular test contactors, module test adapter systems, receptacles, spring probe pins, PCB solutions and specialties.

ENGINEERING EXPERTISE
Two design centers in Munich (Germany) and Sousse (Tunisia) react quickly to market challenges and work with the most modern technologies for the realisation of customer needs, from product idea to qualified mass production.

YOUR ADVANTAGES
• Y-Circ® P is shorter than existing products
• New half shell design for easy assembly
• Made in Germany
• Cost benefits

PUSH-PULL CIRCULAR CONNECTOR
Y-CIRC® P
The Y-Circ® P push-pull circular connector series is designed, qualified and produced in Germany, which means fast reaction to the needs of our European customers.

The high vertical range of manufacturing ensures highest quality and short delivery times.

The product portfolio includes various matching accessories and cable assemblies.

Y-Circ® P characteristics
• Different connector types with various pin counts
• Various keying system
• High Quality metal connectors
• Different contact types and surfaces available
• Available as IP50 and IP68 version

YOUR ADVANTAGES
• All-in-One cable assembly solutions
• Modular system to tailor connector to customer requirements
• Made in Germany

M12 CIRCULAR CONNECTOR
Y-CIRC® M
The Y-Circ® M series is a circular connector with thread mechanism locking according to M12 specifications. The product portfolio includes the standardised variations from A-coded to high-end X-coded CAT6.

All variations are available as a cable assembly in different lengths and cable types.

Y-Circ® M characteristics
• A, B, D coding according to IEC 61076-2-101
• Optional high class EMI protection with 360° shielding
• X coding acc. to IEC 61076-2-109
• Optional vibration proof locking
• Unique Y-Circ® M Push-Pull locking mechanism

YOUR ADVANTAGES
• All-in-One cable assembly solutions
• Modular system to tailor connector to customer requirements
• Made in Germany
**INDUSTRIAL CONNECTORS**

**INDUSTRIAL RJ45 AND USB Y-CON® SERIES**
The IP protected, ruggedised Y-Con® system includes RJ45 and USB connectors & cable assemblies. A unique feature on the market is the optional integration of power contacts into the RJ45 mating face for transmission of up to 3.1A. The system enables data rates up to CAT6A.

**Y-CON® RJ45 SYSTEM**
IP67/68/69K protected components in plastic or metal housing, special EMI protection

**Y-CON® USB SYSTEM**
Standardised USB-A and USB-B connectors integrated into the existing platform, IP67/68/69K and IP20 protection with special locking feature

**Y-CON® CABLE ASSEMBLIES**
Cable assemblies with all RJ45, USB and customised components

**YOUR ADVANTAGES**
- RJ45 plus power transmission up to 3.1A
- Best in class products concerning protection against vibration, EMI and mechanical forces
- International protection code 67/68/69K
- Applicable for a wide temperature range

**CARD CONNECTORS**

**PRODUCT PORTFOLIO**
- SIM, MicroSIM and NanoSIM card readers
- Combination card connectors
- SD/MMC and MicroSD card readers
- PCMCIA II connectors
- Ultra high speed card reader (UHS-2SD)

**YOUR ADVANTAGES**
- Broad standard product range of card readers developed for harsh requirements such as those in the automotive industry
- Special technical features like 2-point contacts to ensure a stable contact point
- Very low profile designs
- Different handling mechanisms such as push-push, tray, push-lock
**DATA NETWORKING**

CFP8, CFP4, CFP2, CFP Connector system

Complete component solutions from connectors to mechanical components following MSA standard

QSFP & SFP connector

With transmission capability of 28Gbps and 56Gbps per channel, following MSA standard

DAC (Direct Attached Copper) Cable

With CFP4, CFP2, QSFP28, SFP28 module

AdvancedMC connectors

For AdvancedTCA, μTCA and MCH

**PRODUCT PORTFOLIO**

Board-to-Board and Board-to-Cable connectors

- 0.5mm connectors
- 1.27mm connectors
- 2.00mm connectors
- 2.54mm connectors

**BOARD-TO-CABLE SYSTEMS**

Non-ZIF solutions

Universal system with pin counts up to 51

For LVDS, HDMI, S-ATA, PCI-Express applications

ZIF solutions

Flip type connector with pin counts from 10 to 60

S-ATA cable system

**YOUR ADVANTAGES**

- Transfer rates up to 10Gbps
- Large field of applications e.g. consumer devices, automotive electronics, telecom network equipment
- Impedance controlled high-speed transmission
- Special YFLEX® technology: outstanding electrical performance and dimensional stability, minimisation of EMI and low loss

**HIGH SPEED CONNECTORS**

**INTERNAL CONNECTORS**

**CONNECTOR SOLUTIONS**
INPUT/OUTPUT CONNECTORS

PRODUCT PORTFOLIO
- FAKRA and HSD connectors
- USB connectors
- HDMI, DVI and Display Port
- D-Sub, HDD-Sub
- SCSI and Mini Delta Ribbon

YOUR ADVANTAGES
- Connectors for all relevant standard interfaces
- Connectors and matching cable assemblies
- Customer specific I/O connector solutions

CABLE ASSEMBLIES
Yamaichi Electronics is the only supplier in the area of cable assemblies that offers connectors of its own connector series Y-Circ M (M12) and Y-Circ P (Push-Pull), RJ45 as well as USB connectors from a single source. The bundling of connector production and cable assembly at one production site guarantees short response times and a quick realization of inquiries. Assemblies with bought-in components are also possible.

CABLES
- Flat cables
- YFLEX® - FPC for high-speed

PRODUCTION SOCKETS
Sockets are available in different grid sizes, pin counts and arrays in through-hole technology, as well as customer-specific mounting.
- SO-DIMM
- QFP / TQFP / BQFP
- PLCC
- SOP
- PGA / SPGA

CABLE ASSEMBLIES
- Y-Circ P
- Y-Circ M
- Y-Con
- Welded Wires

Yamaichi Electronics is the only supplier in the area of cable assemblies that offers connectors of its own connector series Y-Circ M (M12) and Y-Circ P (Push-Pull), RJ45 as well as USB connectors from a single source. The bundling of connector production and cable assembly at one production site guarantees short response times and a quick realization of inquiries. Assemblies with bought-in components are also possible.
CONTACTING PRODUCTS

CONTACTING SEMICONDUCTOR
Test & Burn-in sockets
Support all devices on market

Thermal controlled (active & passive)

Test Contactors
Receptacles
Spring probe pins

YOUR ADVANTAGES
- Reliable contacting solutions
- Starting for devices with 0,3mm pitch
- Robust design for ATE, reliability test and failure analysis
- Large Range of available products
- Customized design

INTERFACE SOLUTIONS
Industrial Test Adapter: SODIMM, DIMM, Qseven, SMARC

Automotive Test Adapter
Card edge Connectors
FPC and FFC clip connectors and sockets

YOUR ADVANTAGES
- Maximum yield in testing and flashing
- Reduced testing effort
- Less testing costs per module
- In-line volume test
- Impedance controlled

PCB DESIGN AND SPECIALITIES

PCB SOLUTIONS

YOUR ADVANTAGES
- Consulting and development for all types of test applications
- Full turnkey solutions for qualification and final test
- Decades of experience in design
- Signal integrity & EMC analysis
- Fits your expectations

SPECIALITIES

High-Rel applications
Dockings for manual and automatic handling systems
Imaging Sensors/Cameras
Burn-in Lead Frame Sockets

YOUR ADVANTAGES
- Fits demanding high-rel requirements
- Economic and reliable test floor solutions
- Solve complex and sensitive test tasks
- Optimized test cost per DUT