

 MADE
IN
GERMANY

Y-CIRC
S E R I E S

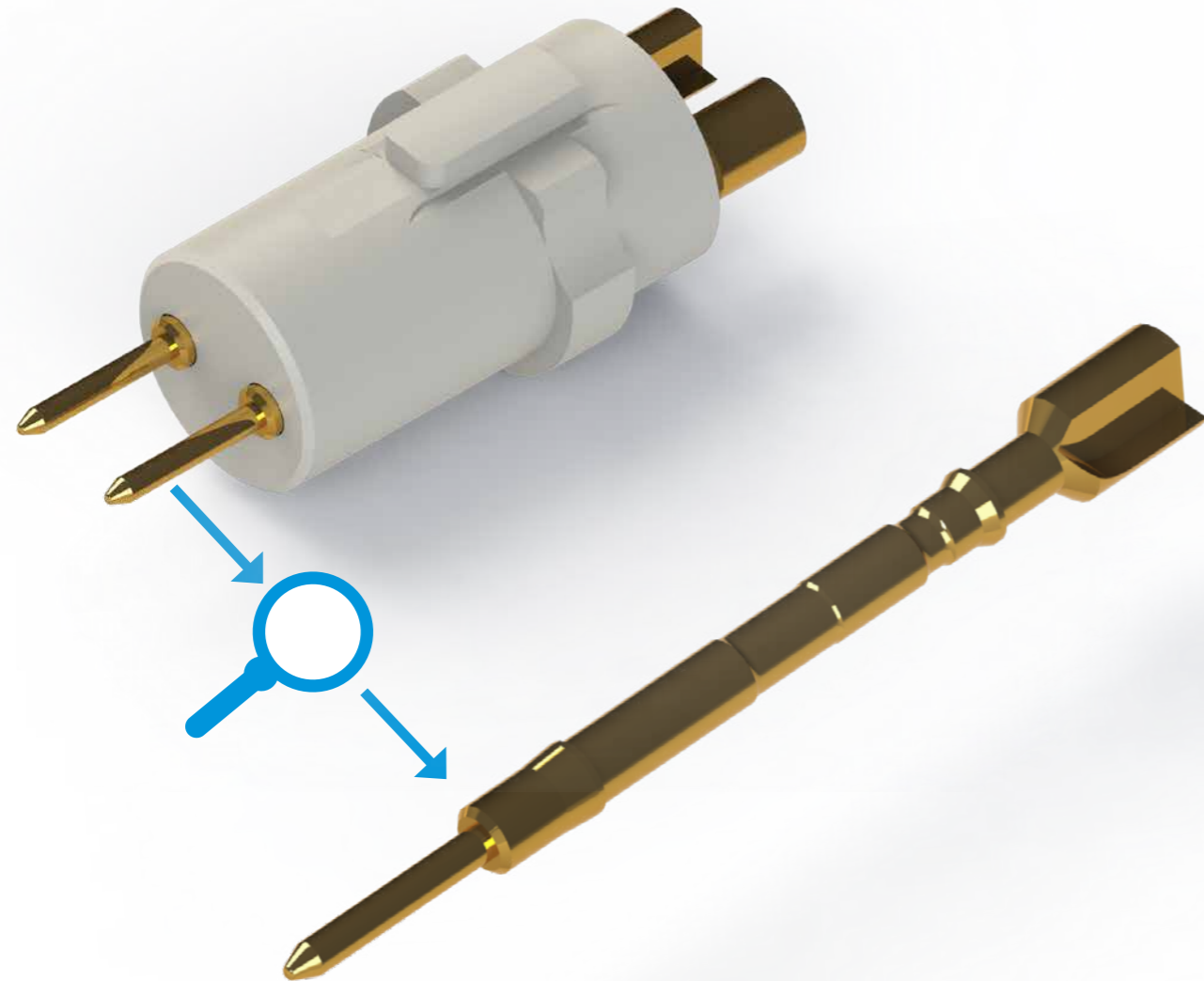
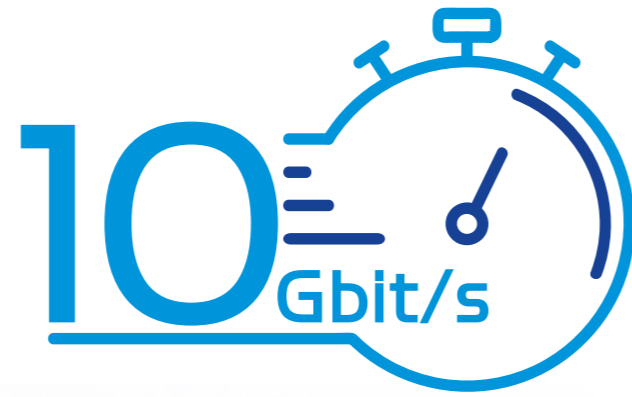


Y-CIRC P
HIGH-SPEED CONNECTOR
FOR SINGLE PAIR ETHERNET AND
AUTOMOTIVE ETHERNET

Y-CIRC P PUSH-PULL CIRCULAR CONNECTOR VARIANTS

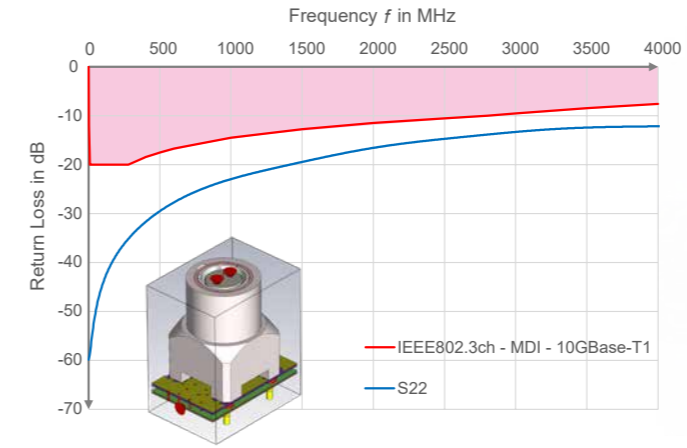
Yamaichi offers many high-speed connectors in general, but also for the Y-Circ P product group. In our in-house laboratory we can develop and simulate pin layouts for high-speed applications. Just as we have successfully realised for Cat6_A, Cat6_A+Power, USB, etc. The S1 pin layout enables the transmission of Single Pair Ethernet up to 10Gbit/s acc. IEC 802.3ch and also of automotive Ethernet signals according to Open Alliance Standard TC9.

The combination of reliable Push-Pull mechanism in small Size 09 connectors and innovative, patent-pending insulator and contact design offers highest data rates for special test and measurement applications with at least 5,000 mating cycles.



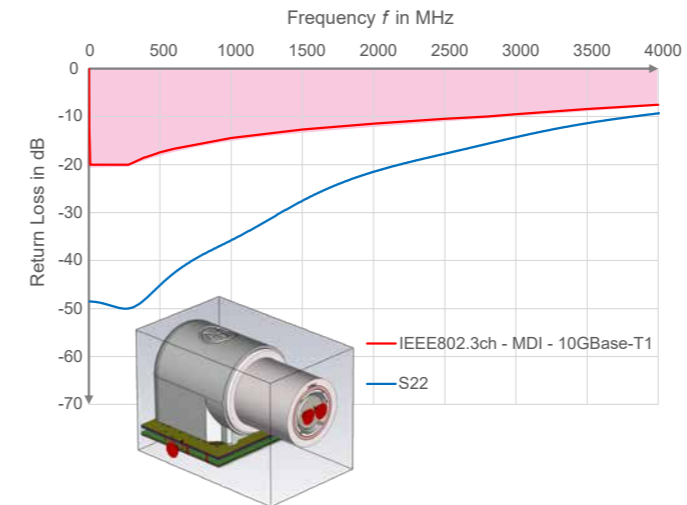
Y-CIRC
SERIES

PERFECT SIGNAL TRANSMISSION FOR VARIOUS CONNECTOR TYPES



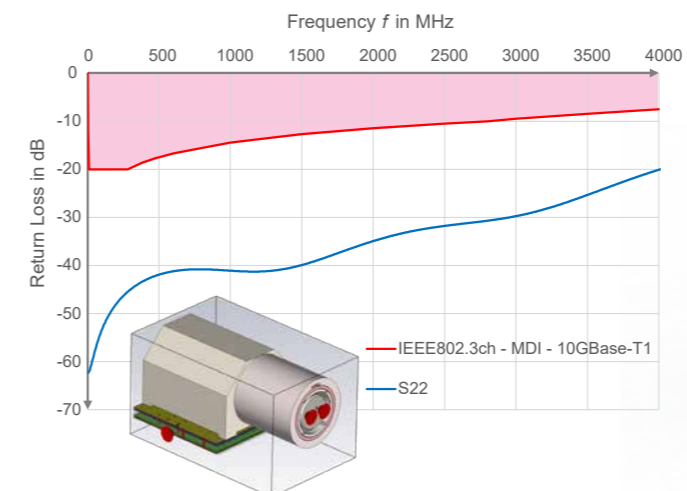
STRAIGHT PCB SOCKET

For straight PCB applications with ground connection



ANGLED PCB SOCKET

For angled PCB applications with ground connection



ANGLED SPECIAL PCB SOCKET

For straight PCB applications with ground connection



VARIOUS CONNECTOR TYPES

| | | | | |
|----------------------------------|---|---|---|---|
| Connector Types |  |  |  |  |
| Connector Series | B-Series | | | |
| Connector Group | Cable Plug | Straight PCB Socket | Angled PCB Socket | |
| Connector Type | PB/PR | WG/WH | WE/WI | WI-Special |
| Size | 09 | | | |
| Pin Count | 02 (S1) | | | |
| Contact Diameter | 0.5 mm | | | |
| Contact Type | Solder | Print THT | | |
| Contact Cross Section | 0.25mm ² | 0.5mm | 0.6mm | 0.6mm |
| Acc. to IEC 802.3ch 10 Gbit/s | ✓ | ✓ | ✓ | ✓ |
| Acc. to TC9 | ✓ | | | ✓ |

Y-CIRC P HIGH-SPEED CONNECTOR FOR SINGLE PAIR ETHERNET AND AUTOMOTIVE ETHERNET

Version June 2022

The specifications are subject to change without notice.

YAMAICHI ELECTRONICS
Deutschland GmbH
Concor Park
Bahnhofstraße 20
85609 Aschheim-Dornach
Germany

YAMAICHI ELECTRONICS
Italia s.r.l.
Centro Direzionale Colleoni
Via Colleoni, 1
Palazzo Taurus Ing. 1
20864 Agrate Brianza (MB)
Italy

YAMAICHI ELECTRONICS
GB Ltd.
6 The Clockhouse
Stratton Park
Micheldever
Hampshire SO21 3DP
Great Britain

YAMAICHI ELECTRONICS
Israel

P.O. # 66
Palmachim 7689000
Israel

Phone +49 (0)89 45109-0
Fax +49 (0)89 45109-110
E-Mail sales@yamaichi.de
Web www.yamaichi.de

Phone +39 039 6881-185
Fax +39 039 6892-150
E-Mail sales@yamaichi.it
Web www.yamaichi.it

Phone +44 (0)7808 493377
Fax +44 (0)1962 774902
E-Mail sales@yamaichi.co.uk
Web www.yamaichi.co.uk

Phone +972 54 20444 23
Fax +972 88 664 344
E-Mail sales@yamaichi.co.il
Web www.yamaichi.co.il