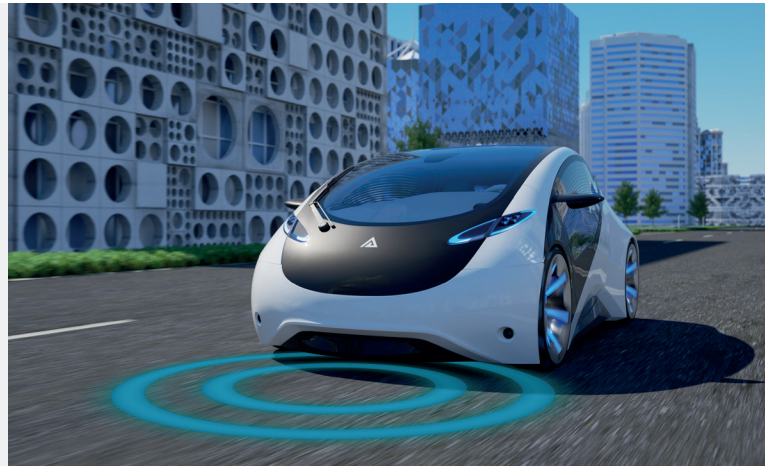


AMEC – Automotive Modular Ethernet Connection

Perfectly Assembled Cables – Our USPs

- › Automated production line with modular transfer technology and process monitoring
- › Compliance with the smallest processing tolerances
- › Handling of various cable variants (STP, UTP) by using adapted housings
- › Globally standardized machinery



Your Advantages

- › High frequency range and high data rates
- › Less mating processes due to a modular package concept (1- and 2-row housing variants with up to 8 ports) in sealed and non-sealed design
- › Automated assembly with process monitoring
- › Compact and ergonomic design

Technical Information

Electrical

Return loss ≥ 11 dB, 400 MHz
up to 600 MHz

Mechanical

Keying efficiency ≥ 150 N
Engagement force < 45 N
Retention force latch ≥ 110 N
Mating cycles ≥ 25

Environmental

Temperature range -40 °C up to $+105$ °C
Qualification according to LV 214 / USCAR

Technical information according to Aptiv datasheet

Requirements

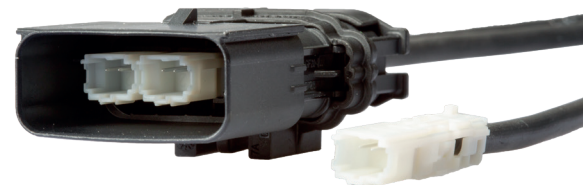
Combination of a multi-functional and modular data transmission system up to 600 MHz and 1 Gbps in a compact design.

Applications

- › Electromobility
- › Autonomous driving
- › ECU network connection

Protocols & Signals

- › Automotive Ethernet



MD in a Nutshell



The C.A.S.E. megatrend describes the four essential future topics for the automotive industry: Connected, Autonomous, Shared & Service and Electric. Data plays a central role and drives the future of the automotive industry. Data is generated, transferred, merged and evaluated. We are experts in the transmission of the rapidly increasing data volumes and have developed the latest technological solutions for this future topic.

25

years experience
in the automotive industry



100 %

automotive



Supplier of products for
over 350 car models from
more than 60 OEMs



Volume supplier – over
160 million products in more than
20,000 variants annually



Global production- &
sales network in NAFTA,
Europe and APAC



Stable
ownership structure



Worldwide leading
company for data transmission
solutions in vehicles



Approx. 5,000 employees
worldwide



Accredited in-house
test laboratory

Do you have any questions or need a data transmission solution in vehicles?
Please contact us: product-info@md-elektronik.com

www.md-elektronik.com