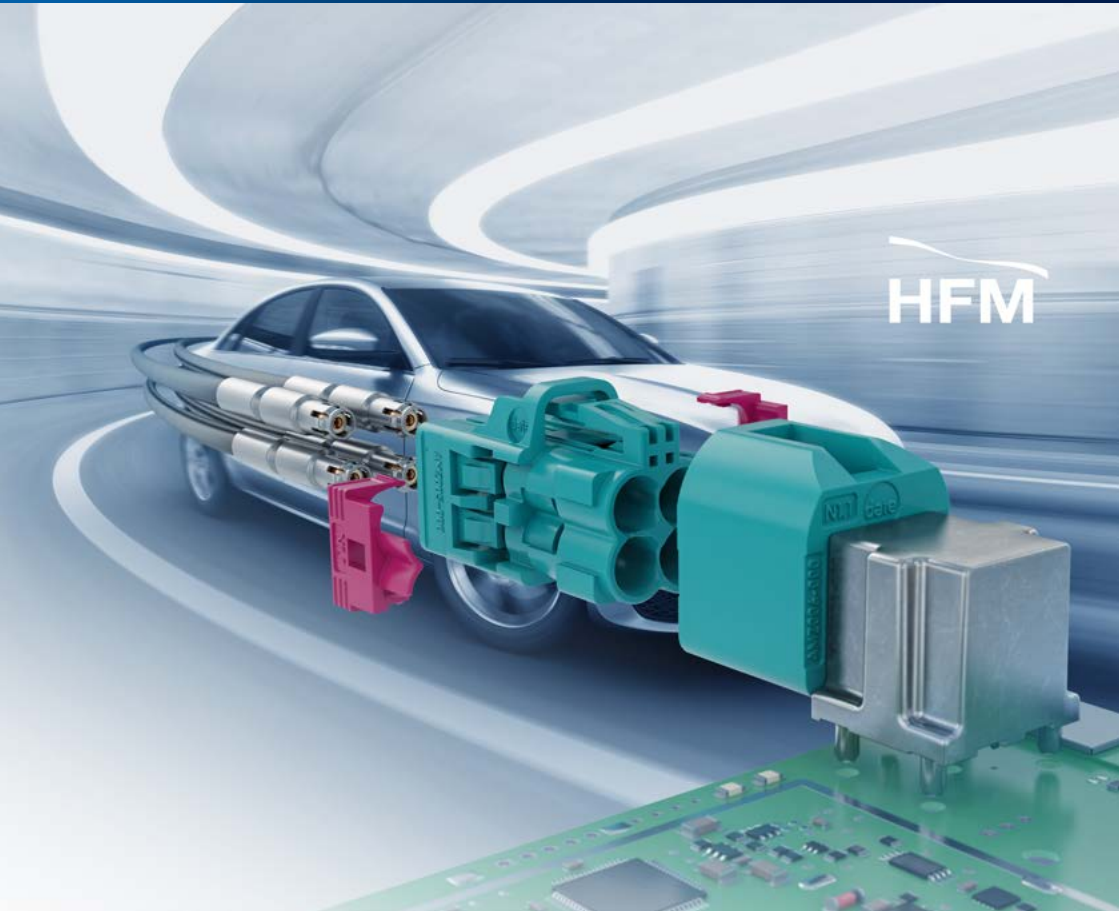


Rosenberger

Automotive Connector System up to 15 GHz | 20 Gbps

HFM® – High-Speed FAKRA-Mini

AUTOMOTIVE





HFM

HFM® – High-Speed FAKRA-Mini

Car-to-X Communication – Connected Car

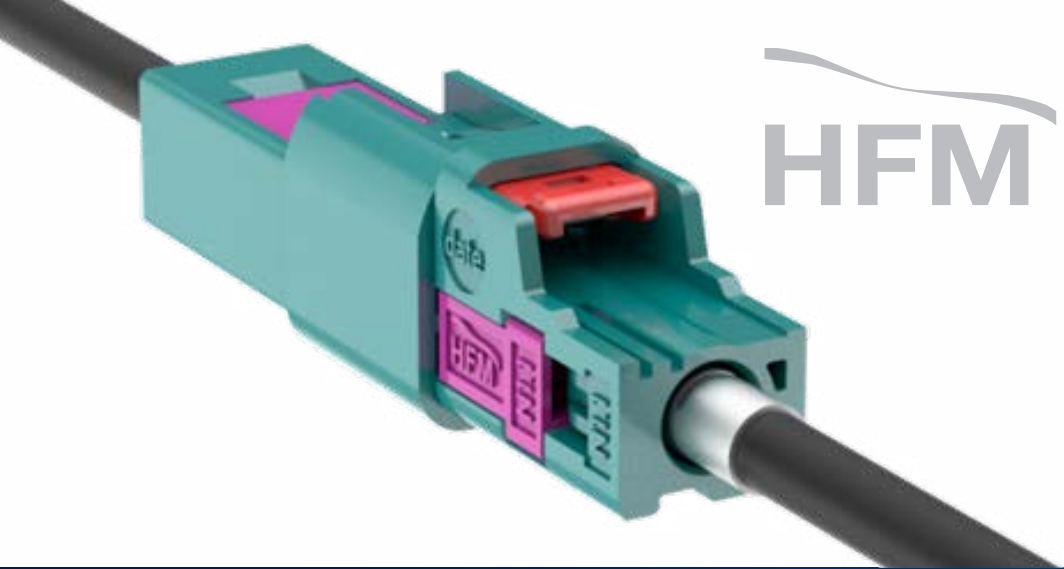
The priority of autonomous driving and driver assistance systems is to ensure safety. It is required to determine exact positions, to continuously calculate routes and to detect and classify objects. High data volumes from several cameras, diverse sensors and navigation sources must be combined and transported for this purpose – in real time.

Application Areas

- Autonomous Driving
- Driver Assistance Systems
- Navigation
- Infotainment
- Fond-Entertainment
- Internet
- Next Generation WLAN:
"WiGig" (Wireless Gigabit)

Application Devices

- Camera Systems 4k
- Sensors and On-board Computers
for high data rates
- High Resolution Systems
- 3D Instrument Cluster
- Navigation Systems
- Mobile Radio
- Remote Control via Smartphone
- Digital Antenna
- HMI (Human Machine Interface)



INTRODUCTION

HFM® – The next generation of automotive coax connectors for high data transmissions up to 20 Gbps!

Operating the multitude of devices, screens and cameras in vehicle electronics requires a powerful infrastructure. Rosenberger HFM® connectors allow for high-bitrate data transmission while saving installation space and weight.

HFM® Advantages

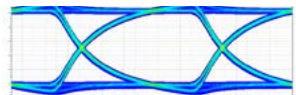
- Lower engaging forces
- Optimal use of installation space
- Optional CPA possibility
- Ergonomic handling
- Electric high-performance interface

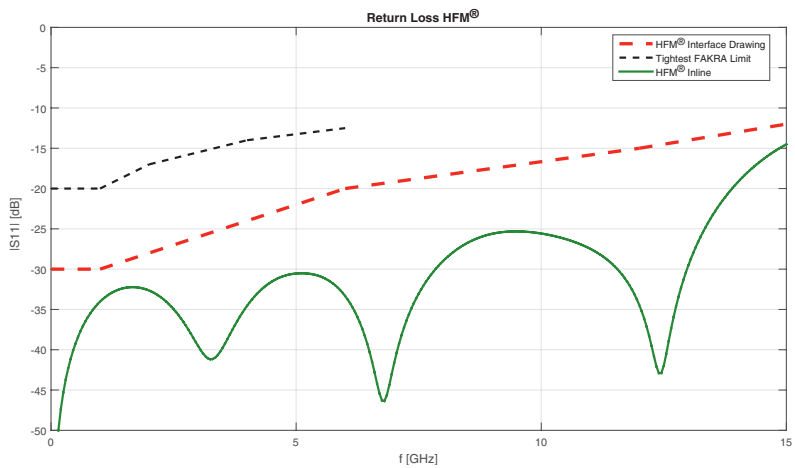
Optimal mechanical properties / robust design

- Mechanical ruggedness of latch
- Optimized for transverse tension
- Coding efficiency
- Impact resistance

Electrically optimized

- 2.5-fold bandwidth -> max. data rate 20 Gbps





Electric High-Performance

PRODUCT PORTFOLIO

HFM® Connectors

Connector Type	Rosenberger No.	
PCB Plugs	AMS22A-40MZ5-y*	
	AMS22B-40MZ5-y*	
	AMS22D-40MZ5-y*	
	AMS22E-40MZ5-y*	
Cable Plugs	AMS11A-1xxZ5-y*	
	AMS11B-1xxZ5-y*	
Cable Jacks	AMK12A-1xxZ5-y*	
	AMK12B-1xxZ5-y*	
	AMK12D-1xxZ5-y*	
	AMK12E-1xxZ5-y*	
	AMK20A-1xxZ5-y*	

*Please fill in: xx – cable group M4, 02, H1, y – coding



Comparison FAKRA quad – HFM® quad

COMPARISON

Saving up of Installation Space up to 80 %

The small size makes it possible to place different modules on minimum installation space and to save up to 80 % of space compared to the conventional FAKRA generation.

- Comparison FAKRA (12x) – HFM® (3x)



- Modular Design for the Control Device



- Optimized use of space for Cameras – high data rate 4k





Website

For further information refer to our website:
www.rosenberger.com/hfm

Rosenberger

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Certified by ISO/TS 16949 · DIN EN 9100 · ISO 9001 · ISO 14001

Order No.

pA 319549 · Info210HFMFly

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