

Coming soon



# MCA - MINI COAX AUTOMOTIVE

Miniaturized multi-pole RF- & highspeed data solution

- » Compact design solutions
- » High speed data transmission up to 20 Gbit/s
- » Excellent radio frequency (RF) performance up to 15 GHz
- » Scalable multi-pole connections



# MCA- MINI COAX AUTOMOTIVE

## Miniaturized multi-pole RF-solution & highspeed data solution

The newly developed MCA series by IMS Connector Systems complies with the high requirements set by the automotive industry for coaxial interconnections in high speed data transmission up to 20 Gbit/s and frequency range up to 15 GHz.

To ensure safety, driver assistance systems and autonomous driving require higher rates of real-time data in order to calculate routes continuously, recognize and classify objects, and determine spatial distances. High data volumes from different cameras, various sensors and navigation sources have to be aggregated.

This MCA series allows a high data bit rate while saving installation space and weight compared to the FAKRA and HSD series. The MCA series is intermateable with TE MATE-AX.



### Product Features

- » Compact design
- » Significantly smaller than FAKRA in width and height
- » High speed data transmission up to 20 Gbit/s
- » Excellent RF performance up to 15 GHz
- » Scalable multi-pole connections
- » Hybrid RF & LF signal combinations possible
- » Optimized footprints & SMT options available
- » Complete individual signal shielding

### Optimized installation space

- » Save up to 80% of space compared to FAKRA
- » Replace 4 single FAKRA with 1 MCA



# APPLICATIONS

- » Autonomous Driving
- » Driver assistance systems
- » Rear seat entertainment
- » Infotainment
- » Internet
- » Navigation
- » Next Generation WLAN
- » ADAS (Advanced Driver Assistance System)
- » RF signal transmission



## Product portfolio

- » PCB mount types



- » Cable mount types



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