

D. Kaiser – optical communication

„infotainment“ in the car - information & entertainment

GPS navigation;
DVD and digital
radio (DAB);
rear seat games,
internet and TV,
integrated
cellular phone, ...

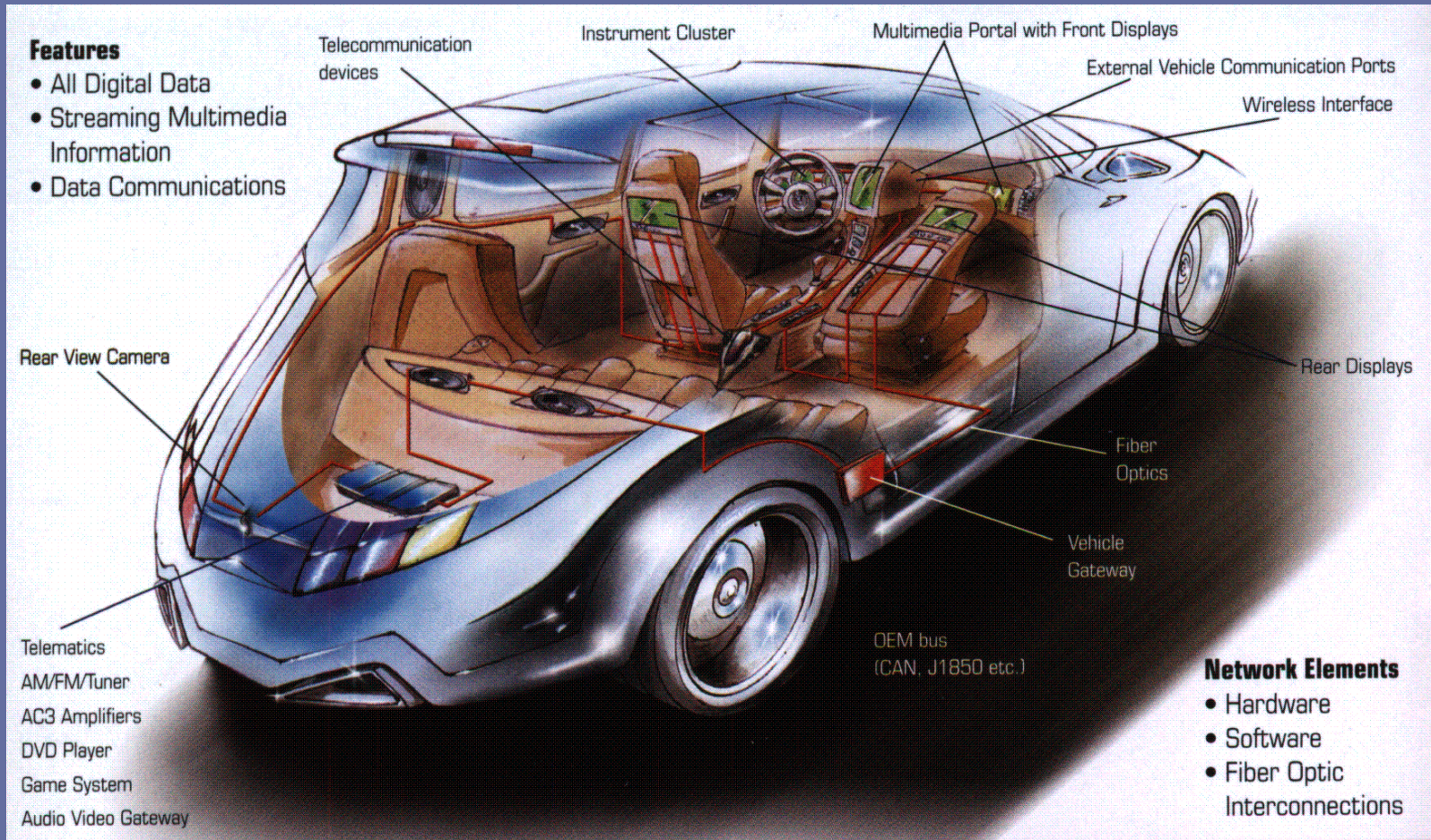


→ need for higher bit rates than the electrical CAN-Bus

→ need for an optical bus !

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MOST-Bus – Media Oriented Systems Transfer

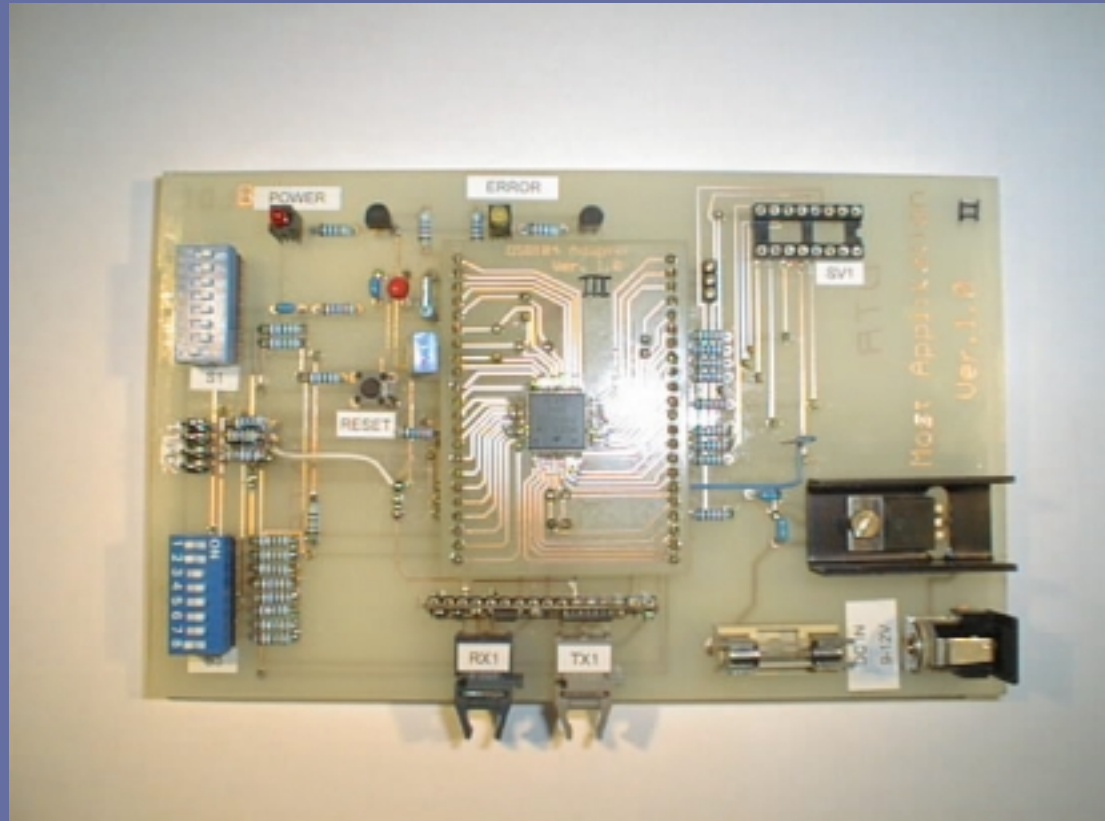


→ uses fiber optic interconnections – Polymer Optical Fibers (POF) !

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advantages:

- higher bandwidth
- moderate costs
- weight reduction
- synchrone and asynchrone data
- immunity to EMI



- realisation of a MOST-Bus-system in ring topology
(components of MOST-coorporation and Oasis SiliconSystems AG)
- development and implementation of own MOST-components
(temperature sensor and LC display, camera device)