Multipin | Powerpin | Data Connector

Scalable Multiheader

AUTOMOTIVE

Scalable Multiheader

Rosenberger scalable multiheaders combine multipin configurations with coaxial and differential high-speed connectors for future-proof automotive wiring systems. They enable all connector combinations for data transmission and power supply in the smallest space, with the lowest weight at the best price/performance ratio. Depending on the design, they combine a variety of electrical contacts, e. g. MQS with coaxial and differential data connectors such as HFM®, H-MTD® or RosenbergerHSD®. All customized assembly combinations are explicitly designed for the respective application.

Rosenberger develops the interfaces according to the requirements of automotive manufacturers and Tier 1 suppliers. Rosenberger offers everything from one source including modular cable connectors and cable assemblies as well as modular PCB connectors.

Scalable Multiheader

Rosenberger scalable multiheaders enable various connector combinations for data transmission and power supply, e.g. electrical MQS contacts with coaxial and differential data connectors such as HFM®, H-MTD® or RosenbergerHSD®.

Multipin

Rosenberger multipin consists of a large number of electrical contacts with a low installation volume, enabling complex signal lines to be connected and disconnected quickly.

Powerpin

Rosenberger modular powerpin connectors include several MQS contacts for additional power supply of data connectors, such as HFM®+, H-MTD®+ or RosenbergerHSD®+.

Features

- Scalable multiheaders reduce weight
  and size – space savings of up to 40 %
- Wide operating temperature range
- Data connectors: Frequency up to 20 GHz
- Reliable signal integrity
- Cost efficient
- Design and process perfectly aligned for
  Automotive market requirements and
  applications

Benefits

- Production according to customer specification
- Every conceivable modular design is possible
- Combination of data and power connectors
  as specified
- Simplified, fast connection and disconnection
  of complex signal lines
- The modular concept enables a fully automated
  assembly process
- Application-specific implementations due to
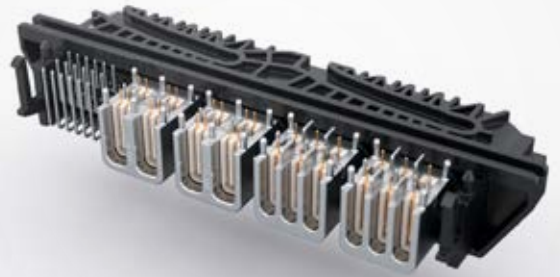 modular and scalable design in the smallest
  installation space

Scalable multiheader reduces weight and size – space savings of up to 40 %

Applications

For all applications and complex controls in the automotive wiring system

- Video and audio technology
- Wiring harnesses
- Advanced Driver Assistance Systems (ADAS)
- 4K cameras and displays
- Infotainment

Product Portfolio

Modular housings, right angle and straight combinations of all common series possible:

- Scalable multiheader
- Customized multiheader
- Multipin
- HFM®
- H-MTD®
- RosenbergerHSD®
- FAKRA

Open to all Protocols

- Automotive Ethernet
- SerDes / LVDS
- APIX®
- PCIe®
- GMSL™
- MIPI®
- FDP-Link
- GVIF
- HdBaseT

Website

For more information refer to our website:
www.rosenberger.com/multiheader