

LVDS1.4M

LVDS Multiplexer 1×4

- Versatile Multiplexing Capabilities
- High-Frequency Compatibility
- High Signal Integrity
- Compatibility with Multiple Standards
- Compact Design Available in Different Configurations
- Cost-Effective Solution



PRODUCT DESCRIPTION

The **LVDS1.4M** is a compact and cost-effective solution for multiplexing LVDS (Low-Voltage Differential Signaling) signals, specifically designed for advanced infotainment systems.

With signal handling capabilities up to 10 GHz and communication options including EtherCAT and Ethernet, the **LVDS1.4M** ensures high performance and versatility. Additionally, it is available in various configurations to meet specific project requirements, all while maintaining a small footprint.

KEY FEATURES

/ Versatile Multiplexing Capabilities

Capable of routing signals from a single serializer to four different deserializers, and conversely, from four serializers to one deserializer, this system provides flexible routing of LVDS signals. This versatility is ideal for development and testing environments where multiple signal paths need to be evaluated, with the flexibility to switch between different signal sources and destinations.

/ High-Frequency Compatibility

Compatibility with frequencies up to 10 GHz, which ensures that the device can handle the most demanding LVDS applications, including those requiring ultra-high data rates.

CONFIGURATION

/ Compatibility with Multiple Standards

Supports FPD Link III and FPD Link IV.

/ High Signal Integrity

Operates with signals up to 10 GHz.

/ Versatile Communication Options

Compatible with EtherCAT and Ethernet.

/ Compact Design

Small size and low cost for a variety of applications.

/ Connector Compatibility

Available with H-MTD or HSD connectors.

MAIN APPLICATIONS

The primary application of this equipment is in the development and testing of automotive electronics components in numerous automotive systems, including infotainment displays, camera interfaces, and advanced driver assistance systems (ADAS). This multiplexer provides a robust, reliable, and efficient solution for testing these components, ensuring that they meet the stringent performance and reliability standards required in the automotive industry.

TECH SPECS

Dimensions (in mm)

130 (w) x 130 (l) x 40 (h)

Multiplexing possibilities

/ 1 input to 4 outputs

/ 4 inputs to 1 output

Communications

/ Supplied with one of our communication modules.

/ Ethernet (SCPI commands) and EtherCAT are currently supported, with additional options expected in the coming months.

LVDS Connectors

H-MTD or HSD

Power supply

/ Voltage: 12V DC

/ Current: 2A (max)

Mod.239LVDS.EN.D1



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