



RoHS
Ready 

Introducing 0.50 HSL Connector Portfolio

TE Connectivity's (TE) 0.50 HSL (High Speed Link) connector is designed for high speed data transmission and to meet automotive requirements. An ultra-compact 0.50mm terminal, that currently is the smallest in the automotive industry, has been adapted to this 0.50 HSL for allowing lighter and smaller connector design.

The 0.50 HSL system supports data rates up to 1 Gbit/s and more. It is EMI optimized to prevent malfunction of increasing numbers of infotainment applications within the vehicle.



0.50 HSL Connector Portfolio

Introduction

BENEFITS

- EMI optimized
- Designed for automotive applications
- Compact
- Cable assembly

KEY FEATURES

- Automotive Spec 0.50 series terminal
- 6 Coding available
- Reflow soldering capable
- Full shielded design

APPLICATIONS

- USB Connection
- Display Connection
- Rear Seat Connection
- Camera Connection
- Combi Instrument Connection

MECHANICAL

- Wire Range: 0,22 – 0,5mm²
- Mating Cycles: min. 20
- Retention Force Connector Lock: min. 98N
- Mating/Unmating Force: max. 60N

ELECTRICAL

- Impedance: 90 Ω
- LLCR 30 mOhms
- Contact Current: ≤ 2,5 A DC (depends on used cable size)

MATERIALS

- Cap Shield: CuSn (Tin Plating)
- Cap Contact: CuZn (Tin Plating)
- Cap Housing: PPS(SMT)/SPS(DIP)
- Receptacle Contact: Copper Alloy (Tin Plating)
- Plug Shield: CuSn (Tin Plating)
- Plug Housing: PBT

STANDARDS AND SPECIFICATIONS

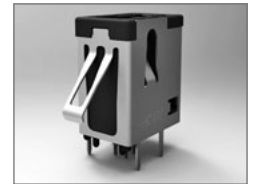
- Product Specification: 108-78743 Header (H) 108-78895 Header (V)
- Application Specification: 114-5473 0.50 Plug Assembly 114-5397 0.50 Terminal
- Instruction Sheet: 408-78007
- USB2.0
- RoHS compliant

PRODUCT OFFERING

- 0.50 HSL Header (H)
- 0.50 HSL Header (V)
- 0.50 HSL Plug Assembly
- 0.50 HSL Male-male connector
- 0.50 HSL Harness



0.50 Header (H)



0.50 Header (V)



0.50 HSL Harness

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