

# HSD CONNECTOR SERIES

# CableConnS



The increased adoption of telematics in the automotive industry has driven the demand for high speed data communication systems in vehicles.

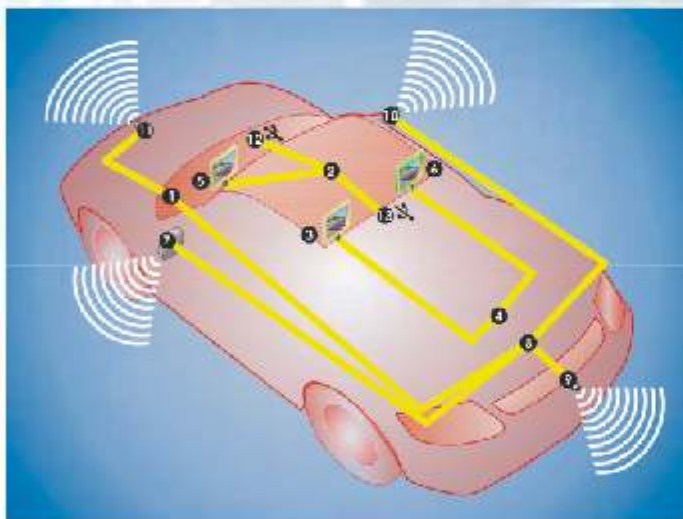
JIMCOM has responded to this demand with the introduction of the HSD (High Speed Data) product portfolio. HSD interconnect products focus on various application areas in the automobile, such as the inside compartment for connections to displays, head units and rear seat infotainment modules.

The product portfolio can be used in combination with a variety of protocols such as LVDS camera (Low Voltage Differential Signaling), GVIF (Gigabit Videointerface), USB, IEEE 1394 as well as Ethernet protocols.

**IP67** waterproof internal construction image.



## APPLICATION



- Control System**
  - 1 Inline Connection
  - 2 Head Unit
- Entertainment & Convenience System**
  - 3 Rear Seat Display
  - 4 Rear Seat Entertainment Modul
  - 5 Display
  - 6 Rear Seat Display
- Safe & Security System**
  - 7 Side View Camera
  - 8 Camera Module
  - 9 Rear View Camera
  - 10 Side View Camera
  - 11 Front View Camera
- Information System**
  - 12 USB Connection
  - 13 USB Connection

## HSD SPECIFICATIONS

Electrical	
Impedance	100 Ω
Frequency Range	DC- 2 GHz
Insertion Loss	0.1 dB max from DC – 1 GHz
Insulation Resistance	1000 MΩ MIN.
Contact Resistance	
Center Contact	≤ 10 MΩ MIN.
Outer Contact	≤ 7.5 MΩ MIN.
Dielectric Withstanding Voltage	At Sea Level: > 250 VRMS (Interface only)

Environmental	
Temperature Range	- 40°C to +105°C
Thermal Shock	DIN EN 60068- 2- 14
Vibration	DIN EN 60068- 2- 64
Mechanical Shock	DIN EN 60068- 2- 27

Mechanical	
Durability (matings)	25 min
Plastic Housing-Engagement Force	≤ 30 N
Plastic Housing-Disengagement Force	≥ 5 N
Cable Retention Force	≥ 110 N
Coding	Mechanical and Color Coded Keyed Mating Spacs

Material Specifications			
Parts Name		Material	Finish
Housing		PA 66	Color per key code
Insertion Loss	Male	P. Bronze	Gold
	Female	P. Bronze	Gold
Body, Metal Parts		Brass	Nickel (Gold)
Insulators		LCP / PA 66	

### ■ CODINGS

- For PCB Connectors
- For 4- pole cable assemblies

### ■ CODINGS, CABLE UP

Coding	Jack	Plug	Color/RAL -Nr.
A			Black/ 9005
B			White/ 9001
C			Blue/ 5005
D			Bordeaux/ 4004
E			Green/ 6002
F			Brown/ 8011
Z			Whiteblue/ 5021

Coding	Jack	Plug	Color/RAL -Nr.
G			Grey/ 7031
H			Violet/ 4003
J			Beige/ 1001
K			Curry/ 1027
L			Yellow Green/ 6018
M			Pastel Orange/ 2003
O			Light Green/ 6027

### ■ PACKAGING FOR HSD AUTOMOTIVE CONNECTORS

We supply the vertical uniformly packaging applications of the HSD connector, standard blister tape and reel for EIA-481, Bulk packed in bags of 100pcs, it is suitable for manual or automated placement.



**FAKRA Automotive Connector Series also AVAILABLE !**



**JIMCOM**

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