




HSAutoLink interconnect systems leverage Molex's expertise at producing high-speed cable technology and adapting to the needs of the emerging "Connected Vehicle" market segment of the (Vehicle-to-Vehicle Communications, Infotainment and Telematics)





HSAUTOLINK

Product	Description
	<p>Headers</p> <p>Rugged assembly with positive latching and assembly guide rails provides a proven interface offering durability</p> <p>Preamsembled housing and industry standard header with multiple keying options, meets all USB 2.0 electrical and EMI shielding requirements and is USCAR-30 compliant</p>
	<p>Cable Assemblies</p> <p>USCAR-30 compliant ensures products are qualified and market tested to stand up to the rigorous in-vehicle environment</p> <p>Full-length cable shielding provides superior signal performance and reduced Electro-Magnetic Interference (EMI)</p>


USB ILLUMINATED

Product	Description
	<p>Cable Assemblies</p> <p>Delivers USB 2.0 data requirements in an illuminated interface for easy mating in all lighting conditions.</p> <p>Custom colors are available and may be formulated to meet most requests.</p> <p>Max. and min. luminosity may also be customized</p>

HSAUTOLINK II

Product	Description
	<p>Headers</p> <p>Manufactured from high-temperature plastic material that is compatible with lead-free through-hole reflow process (Pin-in-Paste) or lead-free selective wave soldering process</p> <p>Rear (soldering) side of right-angle headers features closed shield case providing robustness and guarantees signal integrity delivering high EMI protection</p> <p>Compact, low-profile optimizing device-side space savings to meet future needs for increasing high-speed communication links uses proven Molex LFH (Low Force Helix)</p>
	
	<p>Cable Assemblies</p> <p>Flexible, expandable product family with data rates up to 5 Gbps allowing for combined links and supporting multiple protocols in the same connector (USB 2.0, USB 3.0, LVDS, Ethernet AVB, HDMI*, MicroCross DVI, DisplayPort*, etc.)</p> <p>Compatible with shielded twisted-pair (STP) or jacketed unshielded twisted pair (JUTP) cable construction which is a cost-competitive solution for high-speed differential signaling applications providing construction flexibility</p> <p>Fully protected perimeter seals and wire seals ensuring system is rated to IP67 and IP69K for use in harsh environments and wet locations</p>
	

HSAUTOLINK MEDIA MODULES

Product	Description
	<p>Media Modules</p> <p>Flexible design capabilities: Full I/O integration, passive and active PCB routing and mechanical enclosure design so customers can offload engineering efforts and receive high level of customization to meet their design requirements</p> <p>Full turn-key testing and product validation provided including complete electrical, mechanical, environmental, EMI, ESD and signal integrity testing</p> <p>Extensive Molex automotive I/O connector offering for broad connector alternatives and reduced overall cost</p> <p>Reference designs available using the major I/O interfaces: USB A, SD card slots and auxillary and RCA jacks reduce time-to-market by adopting an existing reference design to a custom application</p> <p>Power supply and media-bus architecture designed to adapt to the customer's existing application requirements, eliminating or reducing the need for customer to redesign application</p>

HSAutoLink Interconnect Systems

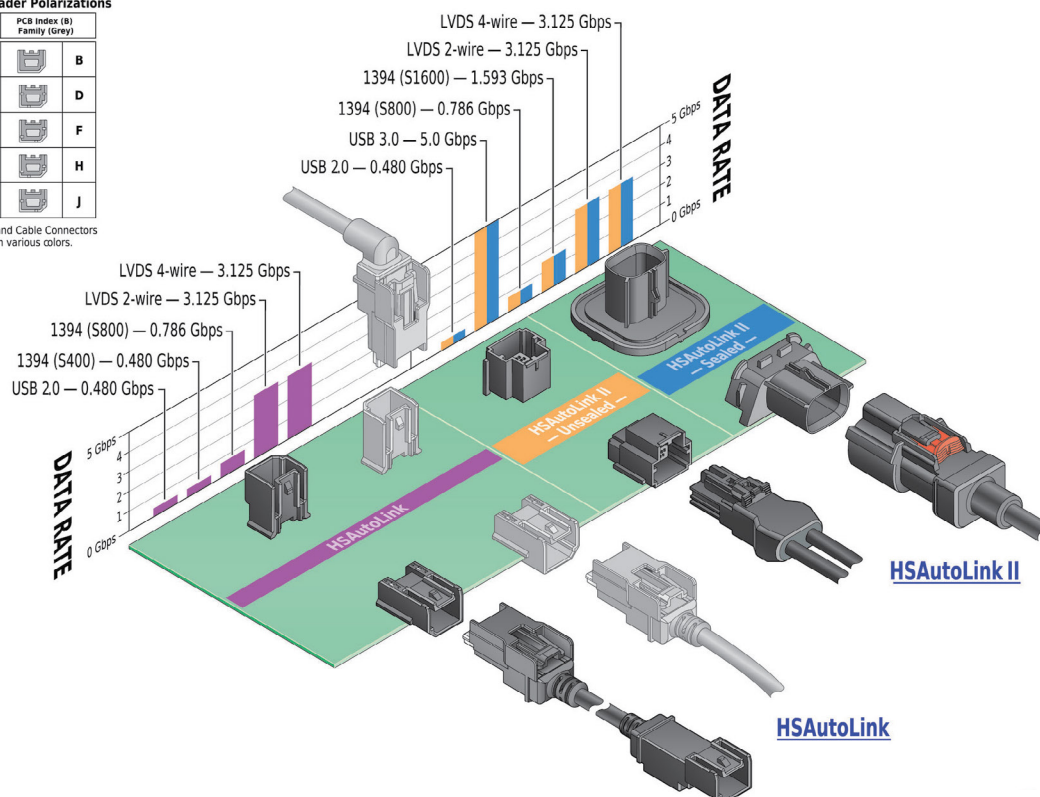
Reference Guide

molex[®]

HSAutoLink Header Polarizations

PCB Index (A) Family (Black)	PCB Index (B) Family (Grey)
A	B
C	D
E	F
G	H
I	J

Note: PCB Headers and Cable Connectors are available in various colors.



Markets

Automotive
Commercial Vehicles
Farm Equipment
Motorcycles
All-terrain vehicles
Watercraft
Aircraft



Car Navigation



Control Panel



Multimedia Screen

Applications

Infotainment
Telematic Devices
Safety and Collision Avoidance Cameras
In-Vehicle Applications
Navigation systems
Connected vehicle services
Advanced Driver Assistance System (ADAS)

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