As automakers respond to increased demands for in-vehicle processing power, Molex leverages its high-speed data experience to deliver solutions for the next-generation of intelligent automobiles.
SOLUTIONS FOR CONNECTED MOBILITY

The development of connected mobility continues to increase the need for in-vehicle cameras and radars. In support of this trend, Easy-On FFC/FPC and SlimStack Board-to-Board Connectors offer much-needed compactness while managing data transmission growth.

Easy-On FFC/FPC Connectors, Slider Series
SlimStack Board-to-Board Connectors, J-Bend Series
SlimStack Board-to-Board Connectors, FSB5 Series

Molex has a proven track record with routing FFC/FPC jumpers, using bottom, top or vertical connectors.

An example of a radar application

Easy-On FFC/FPC Connectors, Slider Series

Molex has a proven track record with routing FFC/FPC jumpers, using bottom, top or vertical connectors.

An example of a camera application

SlimStack Board-to-Board Connectors, J-Bend Series
SlimStack Board-to-Board Connectors, FSB5 Series

The SlimStack 0.40mm Pitch Connector Family can be used in a wide range of applications from mobile devices to industrial equipment.

The FSB5 series of connectors are a new small footprint floating board-to-board connector.
Automobile designers strive to optimize the in-vehicle experience for both drivers and passengers with multiple interior LCD panels. Molex’s Easy-On FFC/FPC portfolio delivers a variety of options that deliver superior connectivity for these applications.

Examples of built-in LCD interior panel applications

Easy-On FFC/FPC Connectors, FD19 Series
Front-flip FPC Connectors with two independent contact points are vibration resistant.

Easy-On FFC/FPC Connectors, V-Flip Series
These are small, vertical-flip FPC Connectors that enable connection to the PCB center and multiple SMT mounting.

Easy-On FFC/FPC Connectors, FBH1 Series
The thickness of modules and devices can be reduced by using Series FBH1 ultra-low profile connectors (1.00mm height).
SOLUTIONS FOR CAR-ELECTRONICS

As data integration throughout the entire vehicle advances, Molex offers the cutting-edge technology to meet the latest electronic connection requirements and specifications.

► Combination switch
► Sequential turn signal
► Wireless charging module
► LED headlight

An example of a combination switch application

SlimStack Board-to-Board Connectors, FSR1 Series

Series FSR1 can be used to simplify combination switch connections.

An example of a wireless charger application

SlimStack Board-to-Board Connectors, Battery and SSB RP Series

This series of connectors can be used for high current and high retention force applications.

Easy-On FFC/FPC Connectors, Flexi-Latch Series

These are latch-type FFC/FPC-to-Board Connectors that can be used for high current applications (2.0A), used in LED headlight connections.
Easy-On FFC/FPC Connectors

SlimStack Board-to-Board Connectors