

**AUTONOMOUS DRIVING**

**BUILT-IN LCD INTERIOR PANELS**

**CAR-ELECTRONICS**

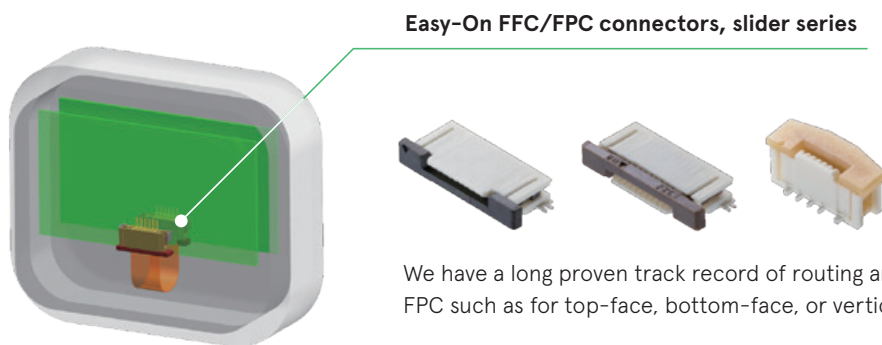
Micro solutions  
for automotive

# Our proposals for autonomous driving

In response to the recent trend of autonomous driving, there is a growing need for in-vehicle cameras and radars. Based on this fact, the use of Easy-On FFC/FPC Connectors and SlimStack Board-to-Board connectors would help you manage an increasing amount of information and a growing number of digital signals.



## AN EXAMPLE OF A RADAR APPLICATION

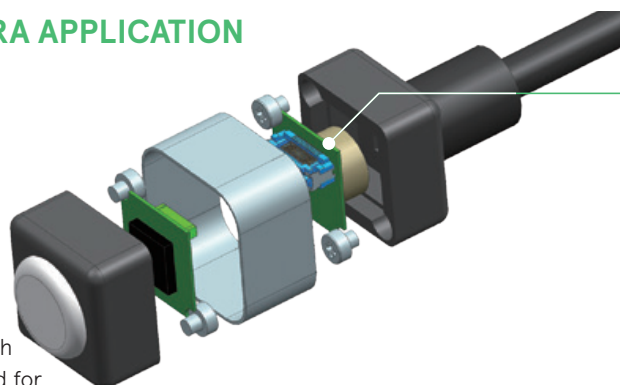


## AN EXAMPLE OF A CAMERA APPLICATION

**SlimStack Board-to-Board connectors, J-Bend series**



These are representative 0.40mm Pitch SlimStack family, which have been used for many years in a wide range of applications from mobile devices to industrial equipment.



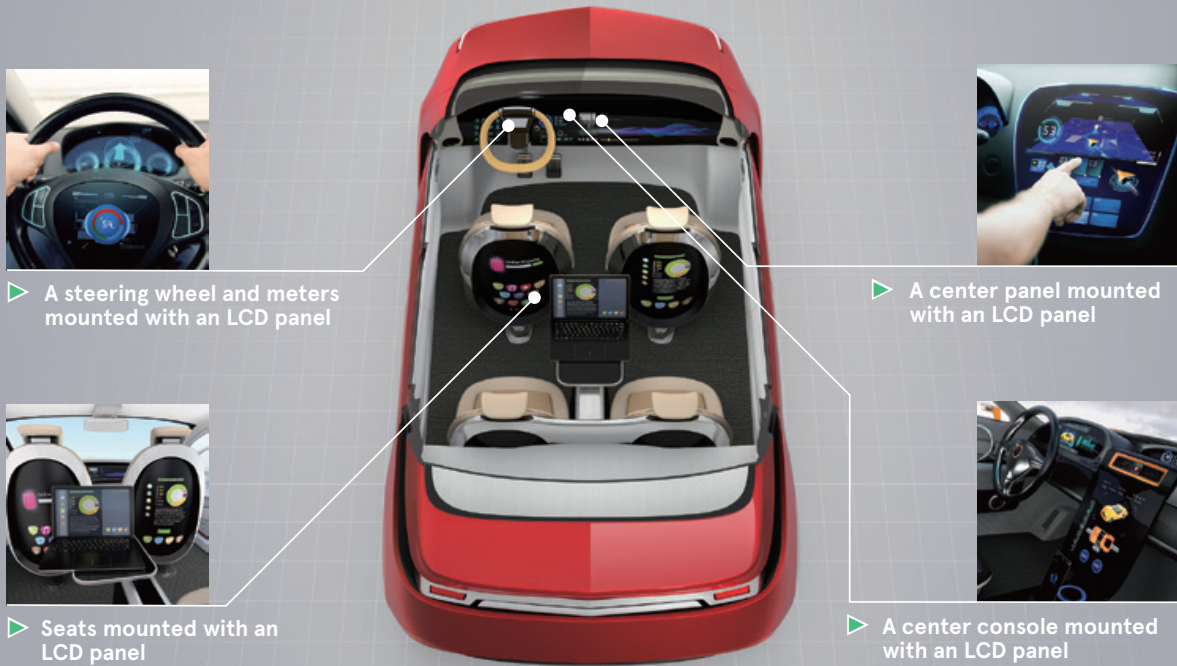
**SlimStack Board-to-Board connectors, FSB5 series**



FSB5 Series are a new smallest-footprint floating B-to-B connectors from Molex.

# Our proposals for built-in LCD interior panels

With the aim to create more comfortable in-vehicle environment, the use of built-in LCD interior panels is expected to increase in a wide variety of applications. For connection of these built-in LCD interior panels, we recommend the use of Easy-On FFC/FPC Connectors because of the availability of many lineups.



## EXAMPLES OF BUILT-IN LCD INTERIOR PANEL APPLICATIONS



### Easy-On FFC/FPC Connectors, FD19 Series



These are vibration-resistant, front-flip FPC Connectors with two independent contact points.

### 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 these ultra-low profile connectors (1.00mm height).

# Our proposals for for car-electronics

As the application of car electronics to whole vehicle is advancing toward digitalisation at an increasingly rapid pace, Molex is offering the best solutions for the changes in electronic connection requirements and specifications.



▶ Combination switch



▶ Sequential turn signal



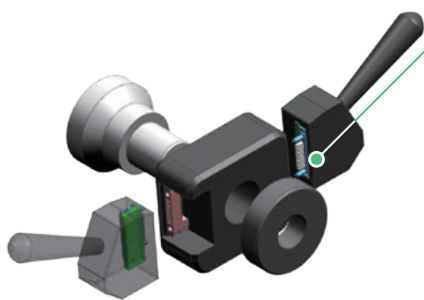
▶ Wireless charging module



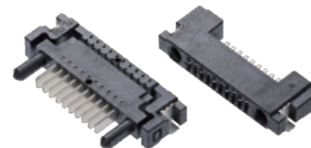
▶ LED headlight



## AN EXAMPLE OF A COMBINATION SWITCH APPLICATION

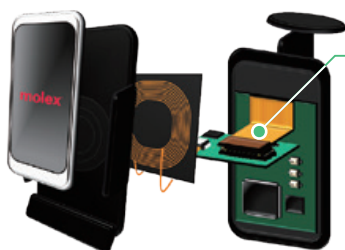


SlimStack Board-to-Board Connectors, FSR1 Series



If some customers further want to simplify combination switch connection, we recommend the use of this series of connectors.

## AN EXAMPLE OF A WIRELESS CHARGER APPLICATION



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



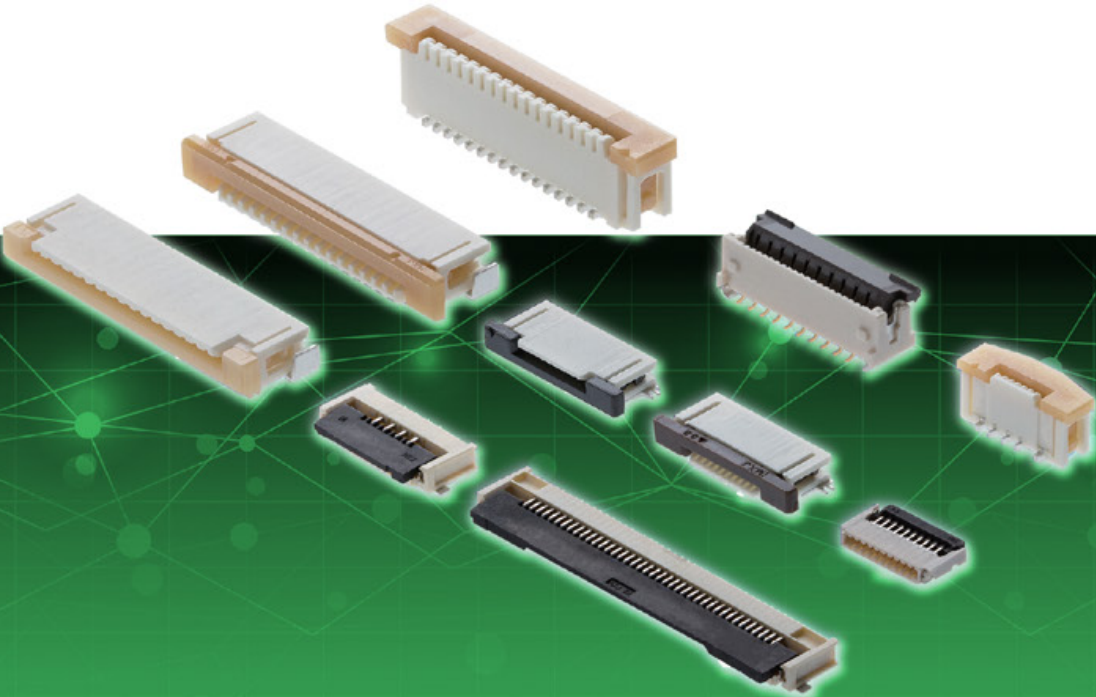
Though the smallest size in the industry, this series of connectors can be used for high current and high retention force applications.

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

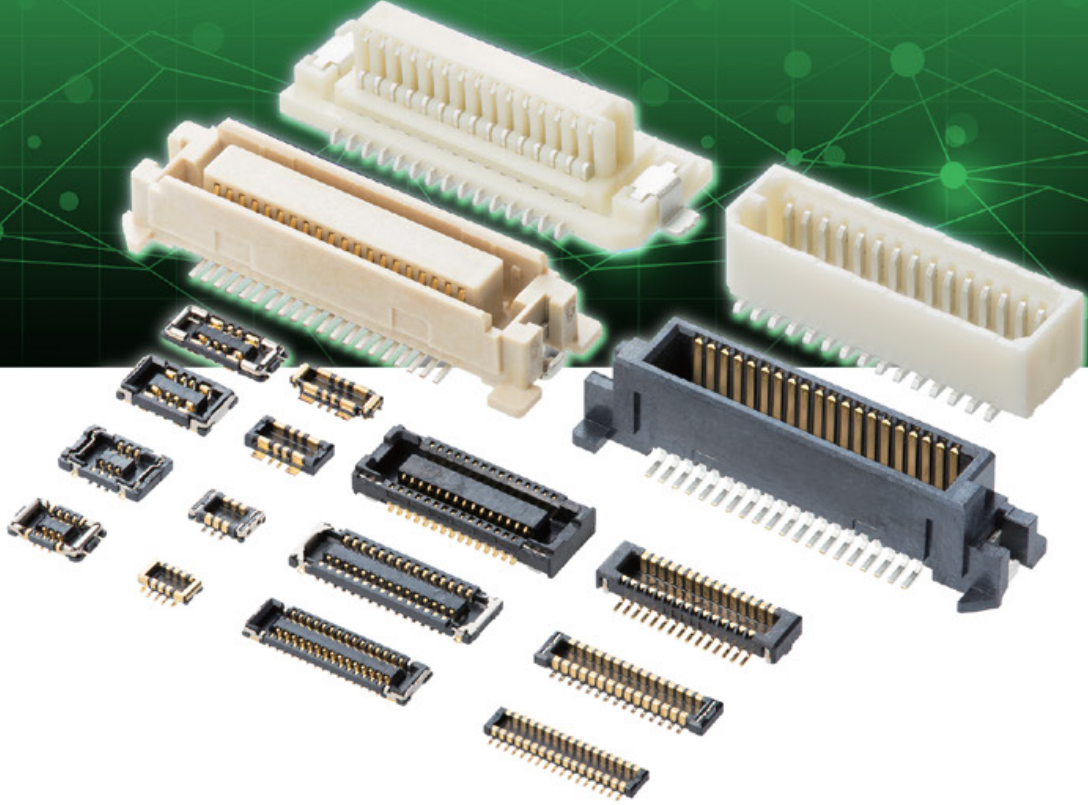


These are latch-type FFC/FPC-to-Board connectors that can be used for high current applications (2.0A), such as for connection to LED headlights.

# EASY-ON FFC/FPC CONNECTORS



# SLIMSTACK BOARD-TO-BOARD CONNECTORS



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