

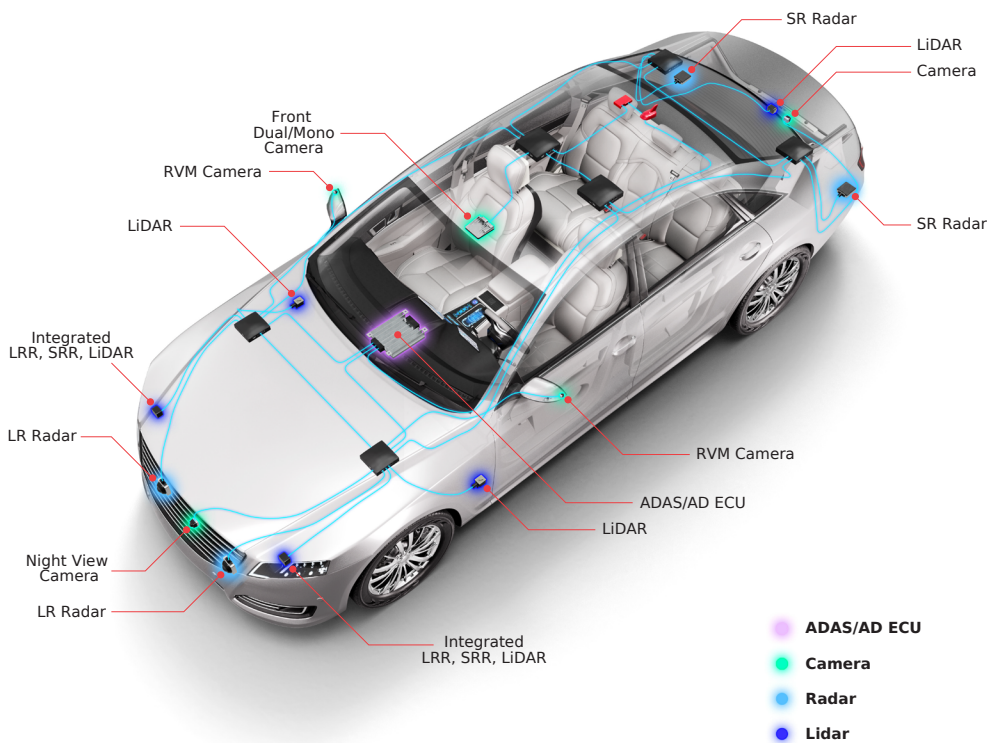


## Camera I/O Module

### Supporting Seamless Connectivity for ADAS Applications

Molex is a leading supplier of high-speed interconnect solutions supporting tier customers in the development of in-vehicle advanced driver assistance system (ADAS) capabilities that are secure and reliable and provide high bandwidth. In support of the increased demand for car camera modules with high-speed video processing, we offer a camera I/O backshell with coaxial bullet and jack interconnections.

This robust camera backshell system is sealed, and its frequency, up to 3 GHz, supports high-speed media protocols. It includes a FAKRA interface to meet increasing bandwidth needs for ADAS camera devices. Having been instrumental in developing the camera I/O backshell solution for ADAS applications, Molex continues to address the evolving requirements of high-speed video transmission for the intelligent vehicles of the future.



#### KEY INTERFACES

- FAKRA interface mates with FAKRA cable assembly
- Camera I/O bullet interface mates with camera I/O jack

#### KEY CAPABILITIES

- FAKRA interface
- Frequency up to 3 GHz
- Plastic and metal backshells
- EMI protection with PVD coating
- Sealing Class: IPX7, IPX9K

#### KEY ADVANTAGES

- System solution, connectors and backshell housing assembly, mates with FAKRA cable
- Easy to assemble: surface mount jack
- Designed for harsh-environment applications

#### MARKETS

Connected and automated vehicles

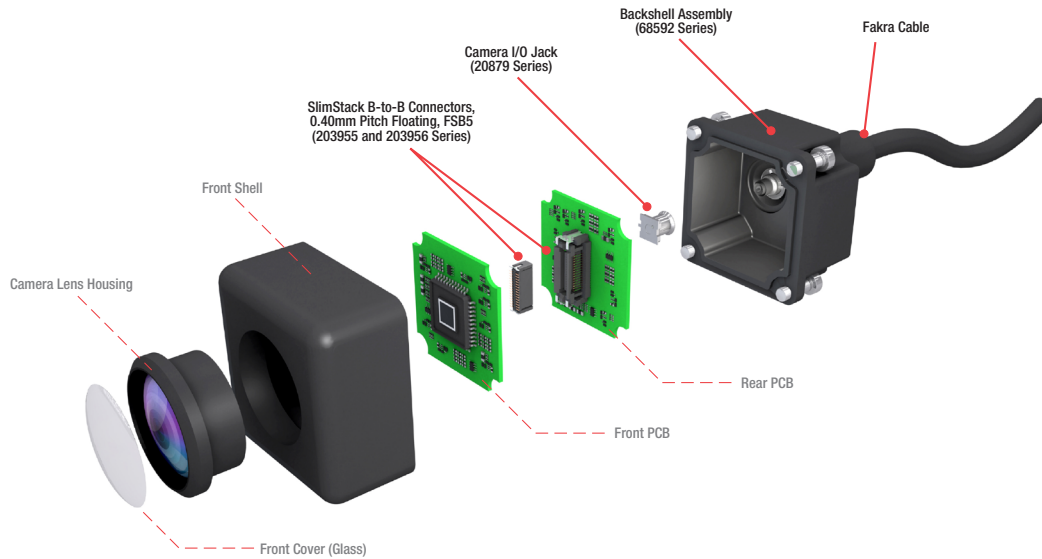
#### KEY APPLICATIONS

- Surround-view cameras
- Front-view cameras
- Rear-view cameras
- Rear-view mirror cameras
- Blind-spot detection
- Driver-monitoring systems

# Camera I/O Module

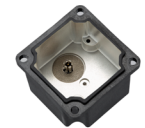
## Supporting ADAS Applications

### Example: ADAS Camera



Product	Camera Backshell Housing Assembly	Camera I/O Bullet	Camera I/O Jack
Operation Frequency	3 GHz		
Rated Current	1.0A		
Circuit Size	SMB Coaxial Connector		
Mates With	FAKRA Cable	Jack on PCB	Backshell Bullet
Mount Style	Assemble with Camera Front Shell	Sealed in Backshell	SMT
Orientation	Vertical		
Packaging	Tray	Tape and Reel	Tape and Reel
Operating Temperature	-40 to +105°C		
IP Rating	IP69K with Sealed Fakra Cable	IP67	IP67

Note: Please contact your Molex customer service representative for product availability.



Camera Backshell Housing Assembly



Camera I/O Bullet



Camera I/O Jack

## COMPLETE SOLUTIONS TO ACHIEVE YOUR VISION

Molex makes a connected world possible by enabling technology that transforms the future and improves lives.

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