

Board Level Components for Automotive Applications



Comfort & Positioning

- Window Lift Motor
- Seat Position Motor
- Seat Heater
- Park Assistance
- Back-up Camera
- Keyless Passive Entry
- Automatic Door Lock
- Body Computer
- Steering Column
- Retracting External Mirror
- Rear View Interior Mirror



Infotainment

- Instrument Cluster
- Stereo (Audio) Control
- In-Car Camera
- In-Car Television
- Ethernet Hub/Switch
- USB Charging Port
- Antenna
- Communications ECU
- GPS & Navigation Control



Lighting

- HID Headlight
- LED Headlight
- Internal LED Light



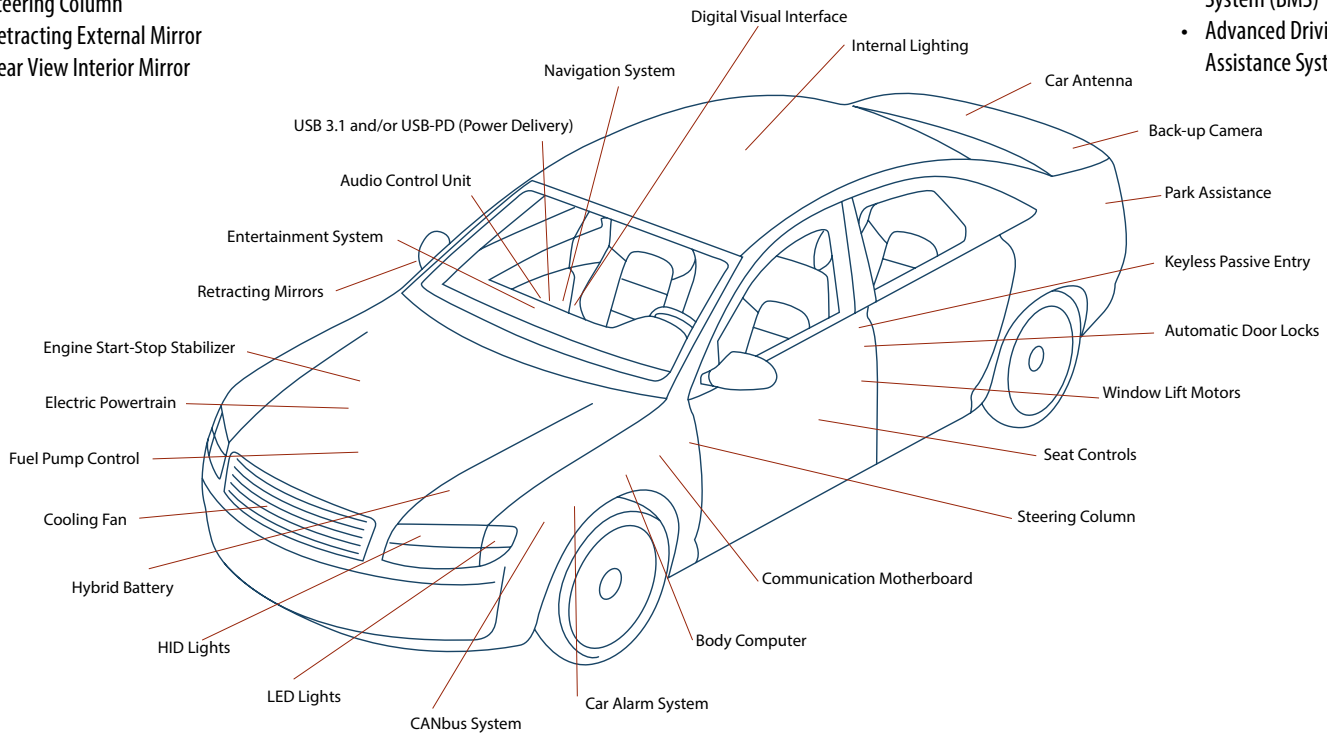
Networks

- CAN
- FlexRay
- LIN
- Ethernet



Electrification

- Fuel Pump
- Start-Stop Module
- Battery Charger
- Cooling Fan
- Body Control
- Parking Assist
- Start-Stop Engine Control
- On Board Charging (OBC)
- Battery Management System (BMS)
- Advanced Driving Assistance System (ADAS)



Systems and electronics within automobiles have become increasingly more sophisticated with the introduction of new and improved features every year. Crucial to customer satisfaction is that each of these features must be reliably powered, protected and connected to its respective interface within the overall automotive system. Bourns has substantial automotive component level experience and supplies leading component solutions. The Bourns Automotive division has extensive experience designing, building and supplying high reliability AEC-Q compliant components. Bourns offers a wide variety of resistors and magnetics to condition and filter electronic circuits. To complement our conditioning products, we offer a portfolio of circuit protection products that have been used by our customers in typical automotive applications.

Bourns has a long history of serving the automotive market with quality sensor products. The company's inductive and circuit protection components are available to meet the board level requirements of many automotive applications. With excellent customer service and the availability of field application engineers, Bourns works closely with automotive system designers in helping customers select the right components, providing layout support, and making modifications as requested by the customer. Bourns performs surge tests and offers application and customer-specific testing. All Bourns® standard components that are approved for typical automotive applications are manufactured in facilities that are fully certified to IATF 16949, and have been tested, qualified using the AEC-Q product validation standard for passive components and presented to the customer for selection and approval using PPAF.

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AEC-Q200 QUALIFICATION TESTING AVAILABLE UPON CUSTOMER REQUEST.

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