Automotive Applications in Modern Vehicles

Littelfuse portfolio of AEC-Q101 (TVS Diodes and Diode Arrays) and AEC-Q200 (Varistors, Multi Layer Varistors and PPTCs) qualified components help to protect the growing number of electronic applications in modern vehicles.

From ultra low capacitance Diode Arrays for ESD protection of high speed signal lines including CAN bus, USB 2.0 and BroadR Reach, to our high surge formulation AUMOV Varistors, Littelfuse has the solutions and expertise to match your technical and application challenges.
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<td>Circuit Protection Technology Application Matrix</td>
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**Applicable ICs**

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**Applicable Technologies**

- ABS
- Air Bag
- EPS (Electronic Power Steering)
- Traction Control
- TPMS (Tire Pressure Monitoring System)
- OBD (On-Board Diagnostics)
- ADAS (Advanced Driver Assistance Systems)
- Auto Chassis and Safety Systems
- Auto Safety
- Others
- Active Suspension
- Seat Belt Pretensioning
- Pre-Crash
- Battery Disconnect
- Antirollover
- Stability Control
- Brake Control
- DC Power Supply
- Radar
- ADAS (Advanced Driver Assistance System)
- AFS (Adaptive Front-lighting System)
- Night Vision
- Pedestrian Avoidance
- Lane Departure Sensing
- Adaptive Cruise Control
- Vehicle Speed Control
- Camera Driver Monitor
- Exterior Camera Front View
- Exterior Camera Rear View
- Park Assistance
- Blind Spot Detection
- Side Impact Assist
- Car Infotainment
- Car Audio
- Car DVD Player
- IVN (In-Vehicle Navigation)
- Car TV
- Car Infotainment
- Others
- Rearview Mirror
- GPS Tracker
- Satellite Navigation
- Portable Navigation
- Telematics Box
- Car Lighting
- Car PC
- Fluid Level Sensor
- Climate Control
- Keyless Entry
- Power Window Control
- APS (Assistant Parking System)
- Auto Charger
- Bird-View
- Instrument Cluster
- Auto Body
- Others
- Rain Sensing Control
- Door Zone Control
- Seat Control
- Ignition System
- CAN/ LIN BUS / FlexRay / MOST
- Bluetooth
- Safe-by-Wire
- Central Body Module
- Dashboard
- Transmission
- Engine Control
- Automatic Cruise Control
- Auto Communication and Infotainment Systems
- Auto Network Systems and Body
- Power Train Systems
- New Energy Car
- Turbine Charger
- Battery Charging
- Injection
- Ultra Capacitors
- Battery Management System

* The marks BroadR-Reach, FlexRay, MOST, Bluetooth, Safe-By-Wire and Selespeed are the properties of their respective owners.