

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.

Powertrain Systems

- Automatic Cruise Control (ACC)
- Electronics Control Unit (ECU)
- Turbo Charger
- Selespeed*
- Transmission Control Unit (TCU)
- Battery Charging Unit (Injection)
- GDI

New Energy Car

- Gas Electric
- Fuel Cell Electric
- Diesel Electric
- Lilon and NiMH Battery Electric
- Ultracapacitors
- Battery Management System (BMS)

Communication & Infotainment Systems

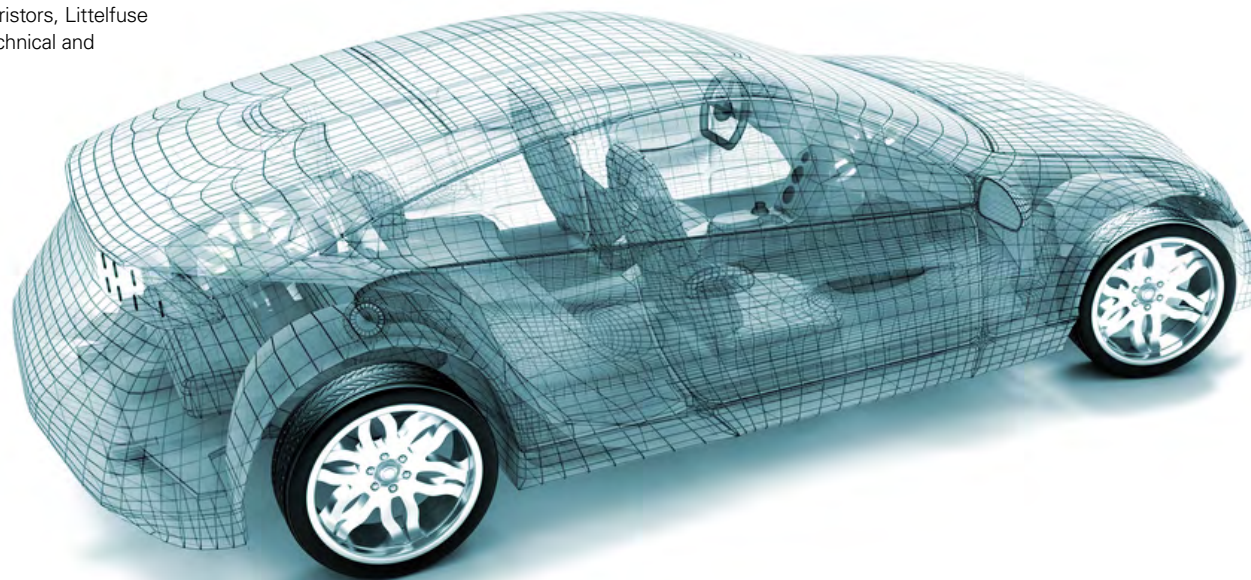
- Radio
- Power Audio
- GPS Module
- Satellite Navigation
- Portable Navigator
- Navigation System
- Telematics Box
- Car Multimedia

Network Systems & Body

- CAN BUS
- LIN BUS
- FlexRay*
- MOST*
- Bluetooth*
- BroadR-Reach®
- Safe-By-Wire*
- Central Body Module
- Lighting Power Window
- Retracting Mirror
- Wiper
- Dashboard
- Climate Control
- Keyless Entry
- Seat Control
- Park Assistance

Chassis & Safety Systems

- Active Suspension
- Tire Pressure Monitoring System (TPMS)
- Electric Power Steering (EPS)
- Seat Belt Pretensioning
- Precrash
- Battery Disconnect
- Antirolllover
- Stability Control
- Brake Control
- DC Power Supply
- Air Bag
- ABS
- Radar



Advanced Driver Assistance Systems

- Night Vision
- Pedestrian Avoidance
- Lane Departure Sensing
- Adaptive Cruise Control
- Vehicle to Vehicle (V2V) Communication
- Interior Camera – Driver Monitoring
- Exterior Camera – Front View
- Exterior Camera – Rear View Park Assist
- Blind Spot Detection
- Side Impact Assist
- Automated Head Light Control

SLD TVS Diode



Protects auto electronics against load dump

SM24CANA Diode Arrays



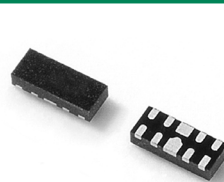
Safeguards Auto CAN bus from ESD damage

TPSMD TVS Diode



Defends electrical systems from transient voltages

SP3012 Diode Arrays



Up to 66% better protection for USB2.0 and 3.0

AUML & Auto MLA Varistor



Designed to suppress destructive transient voltages and ESD

AUMOV® Varistor



Ensures maximum reliability for auto electronics

Surface Mount PPTCs



Resettable overcurrent protection

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

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