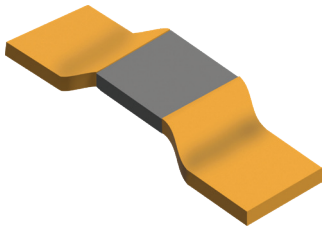
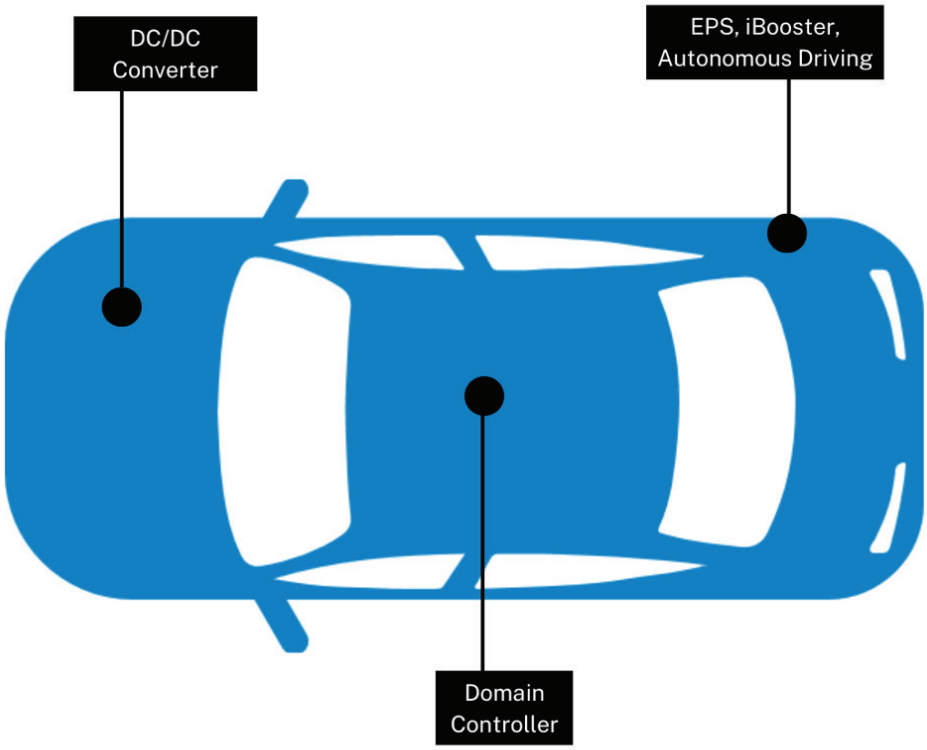
Thin Film Technology Corp.



Current Sensing Shunts

Current sensing shunts are used within a circuit to monitor and control the current moving through a device. This current is then measured by a low parasitic inductance to create a measurable current rate. There are many benefits to this including accurate current measurement, thermal control, and the ability to withstand high current levels.

Application in Electric Vehicles



There are a variety of CSS applications within the automotive Advanced Driver-Assistance Systems (ADAS). This includes electronic power steering, also known as EPS, to an electromechanical brake booster, and autonomous driving. Other applications for the current sensing shunt would be in the battery management systems (BMS), domain control, and chassis of the vehicle.

Other Current Detection Applications:

- Telecommunication Equipment
- New Energy
- Consumer Electronics
- Industrial

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