



## Application insights from Powertrain to Body Control and Lighting

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The modern car increasingly resembles a circuit board on wheels. Customers are demanding smarter, more efficient and more connected vehicles all the time. We are supporting growth in this trend with state-of-the-art, reliable technologies that satisfy the latest design requirements from automotive engineers.

### Powertrain and Body Control

Our Powertrain and Body control applications include elements of motor control, where we have competitive offerings for brushed DC and BLDC motors - the preferred solution for low-cost applications. The high efficiency and reliability of our parts make them the perfect choice for simple applications such as sunroofs and window lifters, right up to more complex ones such as electric power-steering and anti-lock brakes.

These products are available in innovative packages such as [LFPAK56](#) portfolio incorporates clip-bonding technology, giving an industry leading performance in a truly innovative package - optimized to deliver superior thermal & electrical performance, alongside high reliability. At the same time, it remains 100% compatible with industry-standard Power-SO8 footprints.

### Automotive Lighting

We also offer compelling solutions for Automotive Lighting applications, ranging from interior LED lighting, adaptive front lighting and rear LED lighting. We also have a leading range of power [MOSFETs](#), Schottky barrier rectifiers and logic shift registers.

The modern car is built on our standard products, from Powertrain to Body control and Lighting. They make up the circuit board that is needed for newer vehicles by supporting secure connections for a smarter car.

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