



The DNA of tech.™

Leverage our optical products and design skills to develop advanced, reliable, and cost-effective automotive systems

BODY ELECTRONICS

- Steering angle sensing
- Rain sensing
- Radio and climate control knob position sensing
- Humidity and temperature control for anti-fogging
- Gear shift position sensing
- Optical force sensing to replace mechanical switches

BATTERY MANAGEMENT

- Voltage sensing and current sensing
- Battery shunt isolation
- Galvanic isolation for on board charger
- Solid state relay for DC link capacitor pre-charge
- Output voltage feedback regulation
- Temperature sensing for battery cell modules
- Optical communication between battery cells

LIGHTING

- Ambient light sensing for cabin and exterior lighting control
- Rear-view mirror auto-dimming control
- Gesture sensing for cabin light control
- Back-up camera infrared light source
- UVC disinfection of air conditioner ducts
- Adaptive headlights control
- Color sensing for laser headlight monitoring

ADVANCE DRIVER ASSISTANCE

- Drowsy driver infrared light source
- Occupant sensing proximity sensing
- Infrared camera illumination

