Sensing and Power IC Solutions

Our Energy Efficient ICs are at the Core of Sensing, Regulating, and Driving All Electrical and Electronic Equipment

**Sense**

**Accurately measure** current in a circuit, **precisely detect** position in 1, 2, or 3 dimensions, and measure linear and angular movement, rotational speed, and more.

**Regulate**

Robust, automotive-grade DC-DC regulators, power modules, and LED drivers translate power from high to low voltages and regulate it for **safe and reliable** powering of components.

**Drive**

Our motor and isolated gate drivers, **simplify designs, minimize board space, and reduce costs.** Embedded motion control algorithms **improve your motor performance** and time to market.

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**Current Sensors**
- Integrated Conductor
- Field Sensors

**Position Sensors**
- Switches and Latches
- 1D Linear
- 2D Angle
- 3D Magnetic

**Speed Sensor**
- Camshaft Sensor
- Crankshaft Sensor
- E-Motor Speed Sensor
- Transmission Sensor
- Wheel Speed Sensor

**ClearPower Modules**
- LED Driver Modules
- Regulator Modules

**LED Drivers**
- Regulators
- Multiple Output Regulators
- Single Output Regulators

**Power ICs**
- xEV Powertrain
- ADAS
- Clean Energy
- Data Centers
- Industrial

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www.allegromicro.com
e-Mobility
Vehicle electrification and autonomous driving (ADAS)

Advanced powertrain solutions, unmatched safety standards, and energy efficient systems help you develop world-class vehicles.

- Extend driving range
- Faster charging
- ISO 26262 compliant

Clean Energy
Renewable energy generation, transmission and storage

Highest accuracy, bandwidth and integration increases power conversion efficiency.

- Improve system safety
- More power in less space
- Improve thermal efficiency

Industrial
Intelligent automation and cloud infrastructure

Accurate sensing and efficient motor drivers speed up automation across industries.

- Speed and precision
- Simplification and efficiency
- Safety and reliability

#1 in magnetic sensors

0.14 PPM
zero defect culture

30+ Years
of innovation

>1,400
active patents

2. As of the quarter ended June 30, 2023.