

DRIVING CHANGE: ADVANCING PERSONAL MOBILITY THROUGH CUTTING-EDGE TECHNOLOGY

The Gold Standard in Performance,
 Efficiency, and Reliability



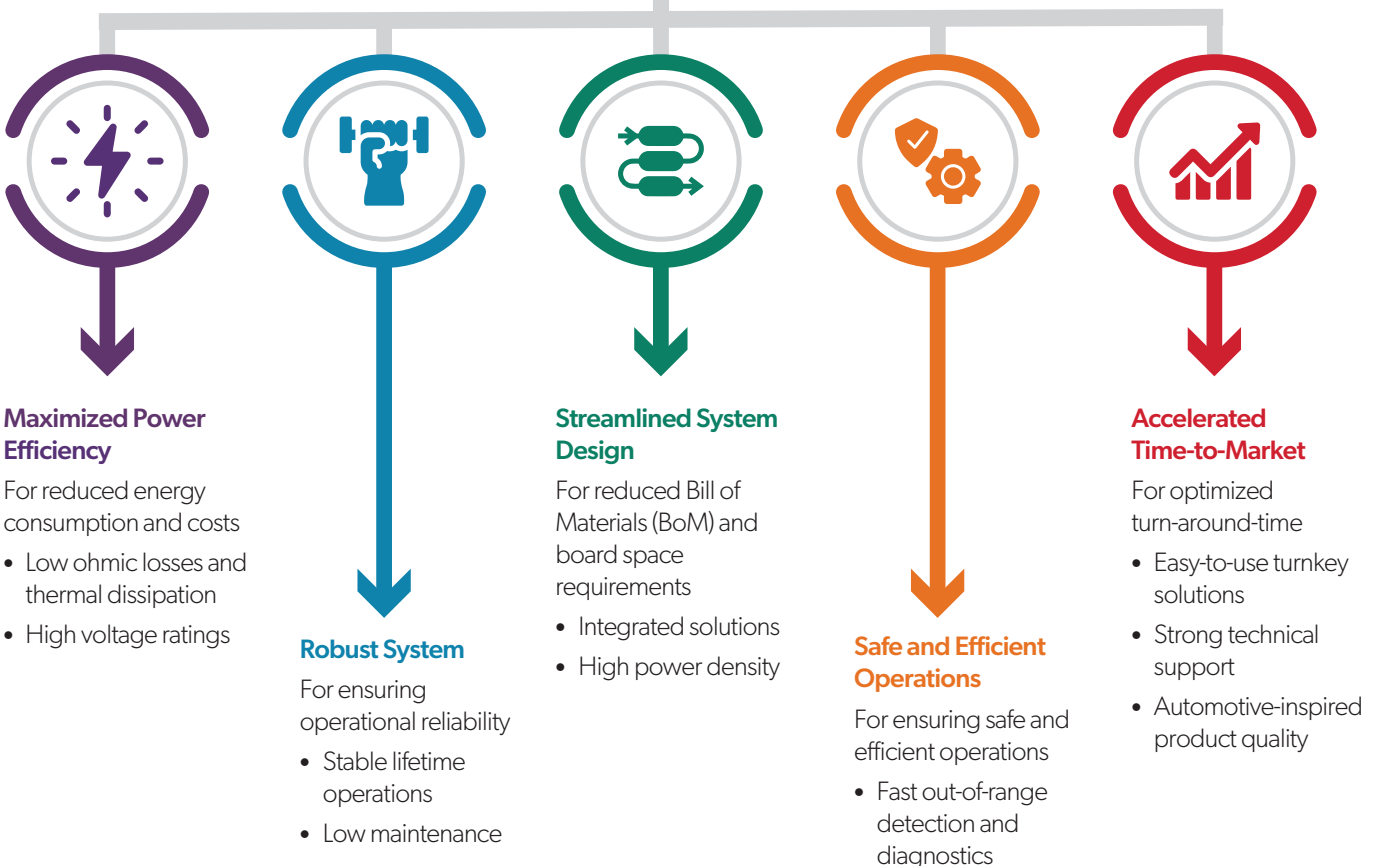
www.allegromicro.com/personalmobility

Allegro MicroSystems specializes in developing innovative solutions for Electric Vehicles (EV) and Internal Combustion Engine (ICE) vehicles. Our advanced sensor and power IC solutions are engineered specifically to meet the unique requirements of these designs, providing superior performance and reliability in harsh environments and under complex operating conditions.

Driven by innovation and long history servicing the automotive market, Allegro offers state-of-the-art magnetic current sensors, 1, 2, and 3D position sensors, integrated magnet wheel speed sensors, and intelligent motor drivers that help you take your design to the next level in terms of energy efficiency, size, reliability, and robustness. Allegro's offerings improve, simplify, and differentiate your final product.

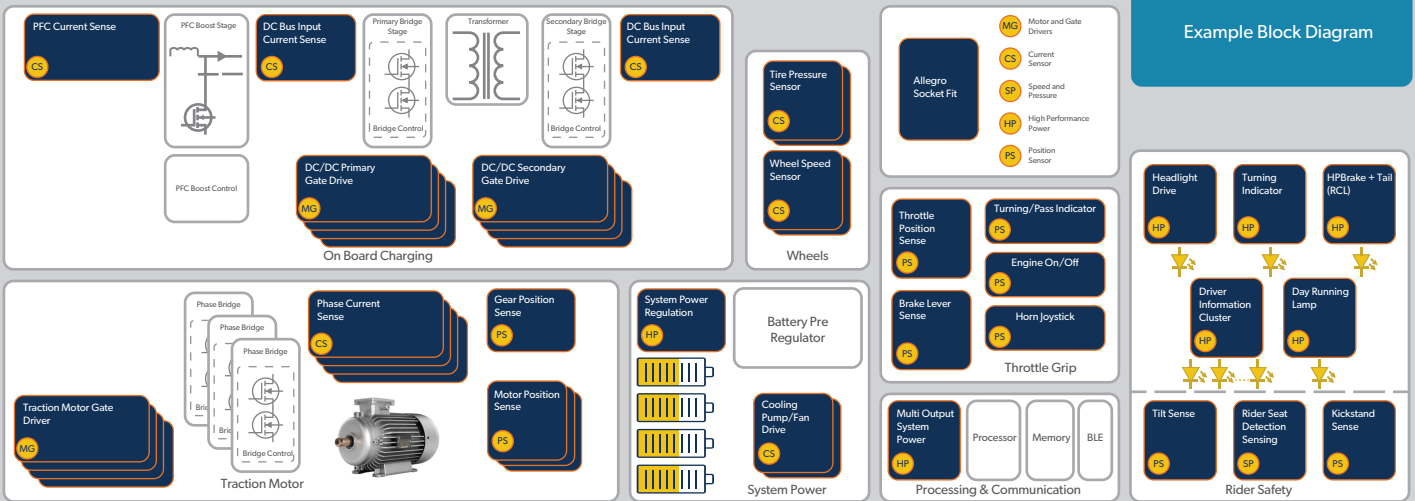
Stay ahead of the technological curve in the ever-evolving transportation industry

We are a trusted and reliable partner to many global customers in the Personal Mobility segment with > 50M+ ICs shipped annually.



Key Products for Electric 2-wheelers (E2W)

Transform your design challenges with our innovative solutions that sense, regulate, and drive.



Key Products and Solutions for EV Personal Mobility

Complete list of available products and solutions can be found on the Personal Mobility site.

Function	Component	Allegro Product	Evaluation Board
Motor Control	Brush DC Driver	A89500	APEK89500GEJ-01-T
	BLDC Driver	AMT49100	APEK49100KJP-A-03-T
	BLDC Driver	A5947	APEK5947GET-01-T
Motor Current Feedback	Current Sensor	ACS724	A SEK724LLC-30AB-T
	Current Sensor	ACS71240	A SEK71240EXB-030B3
	Current Sensor	ACS772	A SEK772ECB-200B-T
Motor Position Feedback	Position Sensor	AAS33001	N/A
Wheel	Speed Sensor	ATS19480	N/A
Sprocket	Hall Effect Latch	APS1262x	N/A
Tilt, Level, Side Stand	Position Sensor	A1308	N/A
	Position Sensor	A1330	A SEK1330-SUBKIT-T
	Hall Effect Switch	A112x	N/A
Throttle	Position Sensor	A31315	A SEK31315-SUBKIT-T
Illumination	LED Driver	A6217-1	A PEK6217KEJ-01-MH-0
	LED Driver	A6260	A PEK6260KLJ-01-T
	LED Driver	APS13568	A SEK13568KLJA
	Hall Effect Switch	APS11700	N/A
Battery and Charging	Current Sensor	ACS711	A SEK711KEX-15AB-T
	Switching Regulator	A8586	A PEK8586KEJ-01-MH
LCD Bias	Switching Regulator	A8603	A PEK8603KES-01-MH
LCD Backlight	LED Driver	A80601	A PEK80601KES-01-MH

Purpose-built Solutions for Superior Vehicle Experiences

Upgrade your transportation experience with futuristic innovation — where cutting-edge technology meets unmatched convenience for personal and industrial applications.

- Higher Integration
- Robust Packaging
- ISO26262 Safety
- Energy Efficient
- Automotive Quality



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[ISQ002V1](#) [TPS2306EVM-001](#) [TPS2330EVM-185](#) [TPS40001EVM-001](#) [SECO-HVDCDC1362-15W-GEVB](#) [BTS7030-2EPA](#)
[LT8638SJV#WPBF](#) [LTC3308AIV#WTRPBF](#) [TLT807B0EPV](#) [BTS71033-6ESA](#) [EV13N91A](#) [EASYPIC V8 OVER USB-C](#) [EV55W64A](#)
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[NCV51752D2PAK3LGEVB](#) [ISL81807EVAL1Z](#) [AP33772S-EVB](#) [EVALM7HVIGBTFCINV4TOBO1](#) [903-0300-000](#) [902-0173-000](#) [903-](#)
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