

Power Up Your Performance

Experience 2x the power density in a simple, efficient design

A Perfect Example of Less is More



Say goodbye to complex bootstrap components, bulky DC-DC isolated power modules, additional PCBs, and multiple connectors. Introducing Allegro's first isolated gate driver with Power-Thru technology.

[Discover the Benefits](#)

Allegro's Power-Thru Technology

Allegro's patent protected, highly differentiated Power-Thru gate driver (AHV8511X) gives engineers and designers access to new and efficient high-power isolated gate driving technologies that provide multiple system level benefits. The new gate driver is innovative and unique, combining traditionally separate components—the isolated gate driver and the isolated power supply—into a single, compact, robust package.



**50%
Less Components**

Power-Thru technology enhances system design by offering increased efficiency and reliability, simplification, and power density, all while reducing the component count.



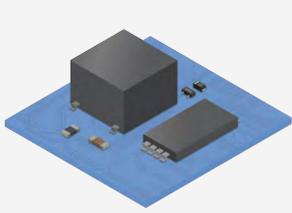
**2x
Power Density**

This new series of patented, industry-first solutions enables engineers to build smaller, more-efficient systems while reducing time to market and maximizing return on investment.

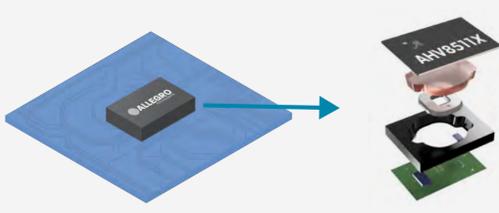


**20dB
Less EMI**

A perfect example of "less is more," Allegro's platform minimizes EMI pathways and simplifies integration, resulting in faster time to market, efficiency gains, and production cost savings.



Conventional Design



Allegro Power-Thru Technology

Reduced size | Increased efficiency | Faster design



Learn More About Power-Thru Technology

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