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

Power Up Your Performance

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

50% Less Components

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.

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

Allegro’s Power-Thru Technology

Allegro’s patented, highly differentiated Power-Thru gate driver (AHV8511X) gives engineers and designers access to new and different high-power isolated gate driving options that provide multiple system and board benefits. The new gate driver is a versatile and scalable, compact, traditionally associated with isolated gate drive, and is isolated power supply into a simple, compact, robust package.

Learn More About Power-Thru Technology

20dB Less EMI

Reduced size  |  Increased efficiency  |  Faster design

Conventional Design  |  Allegro Power-Thru Technology

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