



## Allegro MicroSystems Expands Isolated Gate Driver Portfolio with Power-Thru Combo Chip

05/21/2024

### New Product Provides Engineers with Greater Flexibility in Designing for Higher Power Output in EV Chargers

MANCHESTER, N.H., May 21, 2024 (GLOBE NEWSWIRE) -- [Allegro MicroSystems, Inc.](#) ("Allegro") (Nasdaq: ALGM), a global leader in power and sensing solutions for motion control and energy-efficient systems, today announced the launch of the third product in its High Voltage Power-Thru™ portfolio. Allegro's two-chip [AHV85000 and AHV85040](#) isolated gate-driver IC solutions work together with external transformers to provide the freedom to design and maximize power efficiency for clean energy applications, including solar inverters, xEV charging infrastructures and energy storage systems (ESS), as well as data center power supply units.

Expanding upon Allegro's existing Power-Thru technology, the new combo chip features the same benefits found in Allegro's existing gate driver technology but relocates the isolation transformer from internal to external. By doing so, Allegro's latest Power-Thru IC provides engineers greater design flexibility for isolation, power and layout since they can choose the suitable transformer according to their design requirements.

"We are excited to launch our latest solution in Allegro's Power-Thru lineup. Engineers now have more flexibility and freedom with the new combo chip to streamline system architecture and maximize power efficiency, thanks to the removal of the transformer," said Vijay Mangtani, Vice President and General Manager for High Voltage Power at Allegro. "This solution represents another example of our commitment to continued innovation and responsiveness to our customers' and the design community's needs."

The new combo chip isolated gate driver provides additional advantages for applications with different isolation requirements. By facilitating greater cost and space optimization, this industry-first solution creates significantly greater design flexibility, including the ability to choose the isolation level, the best fit-for-purpose transformer, and where to put the isolation barrier within the system.

For further information on the AHV85000/40 Power-Thru isolated gate driver or to request sample orders, visit: <https://www.allegromicro.com/en/AHV85000-40>

### About Allegro MicroSystems

Allegro MicroSystems, Inc. is a leading global designer, developer, fabless manufacturer and marketer of sensor integrated circuits ("ICs") and application-specific analog power ICs enabling emerging technologies in the automotive and industrial markets. Allegro's diverse product portfolio provides efficient and reliable solutions for the electrification of vehicles, automotive ADAS safety features, automation for Industry 4.0 and power-saving technologies for data centers and clean energy applications. For additional information, please visit <https://www.allegromicro.com/en/>.

### Media Contact:

Tyler Weiland  
Corporate Communications  
+1 (972) 571-7834  
[tweiland.cw@allegromicro.com](mailto:tweiland.cw@allegromicro.com)

### Allegro Contact:

Jalene Hoover  
VP Investor Relations & Corporate Communications  
[jhoover@allegromicro.com](mailto:jhoover@allegromicro.com)