

New Product Announcement

Mouser Electronics Now Stocking Qorvo PAC5556, Designed for Intelligent Power Control in Smart Appliances

January 20, 2020 – [Mouser Electronics](http://www.mouser.com), Inc. and [Qorvo](http://www.qorvo.com) have introduced into the distribution channel the [PAC5556](#) Power Application Controller®. Delivering intelligent power control with extreme power density in a compact footprint, the PAC5556 mixed-signal system-on-chip (SoC) offers designers enhanced performance, reliability and energy efficiency, while helping to reduce bill of materials costs by as much as 35 percent.

The [Qorvo PAC5556](#) Power Application Controller, available from Mouser Electronics, features a fully programmable, 32-bit, 150 MHz Arm® Cortex®-M4F high-performance digital processor with 128 Kbytes of flash. The PAC5556 also integrates a configurable power manager with a 600V N-channel DC-DC buck controller, Qorvo's Configurable Analog Front-End™, and application-specific power drivers. The PAC5556 contains [motor control](#) peripherals such as a 2.5-MSPS analog-to-digital converter (ADC) and PWM timers with hardware dead-time insertion. For high-voltage systems that do not require isolation, this highly optimized solution dramatically reduces the bill of materials due to the integrated features offered with this single SoC offering.

"The PAC5556 expands our highly optimized family of PAC devices that can implement BLDC and PMSM programmable motor controllers and drivers in a single, integrated package," said Qorvo Programmable Power Management business unit Sr. Director, David Briggs. "This is a game-changer for controlling and powering next-generation smart energy AC-powered appliances, devices, and equipment."

"With the global smart appliance market continuing to grow exponentially every year, programmable power management solutions like Qorvo's PAC5556 will be instrumental in helping to bring next-generation energy-efficient smart appliances to market even faster," said Jeff Newell, Mouser Senior Vice President of Products. "As the NPI leader in the industry, Mouser is dedicated to providing the most innovative products, while offering the design resources and proper distribution channels required to help engineers accelerate their designs to market."

To learn more about the Qorvo PAC5556 and the associated [PAC5556EVK1](#) development kit, visit <https://www.mouser.com/new/qorvo/active-semi-pac5556-controller/>.

As an authorized distributor, Mouser Electronics is focused on the rapid introduction of new products and technologies, giving customers an edge and helping speed time to market. Over 800 semiconductor and electronic component manufacturers count on Mouser to help them introduce their products into the global marketplace. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each manufacturer.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 800 manufacturers. Mouser offers 27 support locations around the world to provide best-in-class customer service and ships globally to over 630,000 customers in 223 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Qorvo

Qorvo makes a better world possible by providing innovative Radio Frequency (RF) solutions at the center of connectivity. The company combines product and technology leadership, systems-level expertise and global manufacturing scale to quickly solve customers' most complex technical challenges. Qorvo serves diverse high-growth segments of large global markets, including advanced wireless devices, wired and wireless networks and defense radar and communications. The company also leverages unique competitive strengths to advance 5G networks, cloud computing, the Internet of Things, and other emerging applications that expand the global framework interconnecting people, places and things.

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