



New Product Announcement

Now at Mouser: Qorvo's PAC5527 Programmable Power Management Solution for BLDC Motor Control

February 19, 2020 – [Mouser Electronics](#), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [PAC5527](#) 48 V Power Application Controller® (PAC) from [Qorvo](#). The charge pump-based motor controller and driver for brushless DC (BLDC) motors integrates multiple functions to provide a compact, microcontroller-based power and motor control solution. The PAC5527 is an ideal solution for brushless [motor control](#) applications such as high-performance power tools (up to 24V), 12 V server or DC fans, drones, and remote-controlled (RC) systems.

The [Qorvo PAC5527](#), available from Mouser Electronics, is a system-on-chip (SoC) controller that enables high performance, high efficiency, and extended battery life in tools incorporating BLDC motors. The SoC is based on a 150 MHz Arm® Cortex®-M4F 32-bit microcontroller with 128 Kbytes of flash memory, which provides designers with the flexibility to integrate features such as diagnostics and self-checking capabilities.

The PAC5527 device also features Qorvo's highly configurable Power Manager, a convenient, all-in-one [power management](#) solution that includes a buck-boost regulator for low-side gate drive supply, charge pump DC/DC for high-side gate drive supply, and four linear regulators with power and hibernate management. The device also includes Qorvo's Configurable Analog Front-End™, which contains single-ended programmable gain amplifiers, differential programmable gain amplifiers, digital-to-analog converters, comparators, and 10 analog front end input-output pins.

To learn more, visit <https://www.mouser.com/new/qorvo/qorvo-pac5527/>.

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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