

New Product Announcement

Qorvo PAC5524, Now at Mouser, Offers Compact Solution for Expanded I/O BLDC Motor Applications

April 9, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [PAC5524](#) motor controller and driver from [Qorvo](#)®. The 70 V Power Application Controller® (PAC) features increased input/output (I/O) capability and is optimized for a high-speed brushless DC (BLDC) [motor control](#).

The [Qorvo PAC5524](#), available from Mouser Electronics, features Qorvo's Multi-Mode Power Manager (MMPM), which delivers an all-in-one [power management](#) solution for multiple types of power sources. The MMPM features a configurable multi-mode switching supply controller that is capable of operating a SEPIC or buck converter and as many as four linear regulated voltage supplies.

The PAC5524 device is based on a 150 MHz Arm® Cortex®-M4F 32-bit microcontroller and integrates a Configurable Analog-Front End™ (CAFE) and multiple Application-Specific Power Drivers™ (ASPDs). The CAFE is comprised of three differential programmable-gain amplifiers, four single-ended programmable-gain amplifiers, digital-to-analog converters, comparators, and several I/Os. The ASPDs include integrated level shifters and pre-drivers designed for H-bridge, half-bridge, 3-phase, and general-purpose driving.

Qorvo's PAC5524 motor controller and driver offers 128 Kbytes of embedded flash memory and 32 Kbytes of SRAM memory. The PAC5524 also features several serial communications interfaces, a 2.5 MSPS analog-to-digital converter with programmable auto-sampling of up to 24 conversion sequences, and a flexible [clock](#) control system. The highly integrated device is housed in an 8 mm × 8 mm package, making it an ideal choice for compact, battery-powered BLDC motor applications that require additional I/O in order to implement value-add system control functionality.

To learn more, visit <https://www.mouser.com/new/qorvo/qorvo-pac5524-controller-driver/>.

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.

Trademarks

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. All other products, logos, and company names mentioned herein may be trademarks of their respective owners.

– 30 –

Further information, contact:
Kevin Hess, Mouser Electronics
Senior Vice President of Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:
Kelly DeGarmo, Mouser Electronics
Manager, Corporate Communications and Media Relations
(817) 804-7764
Kelly.DeGarmo@mouser.com