



New Product Announcement

Enhance Control of Power Supply with Analog Devices' Digital Power System Management, Now at Mouser Electronics

September 20, 2018 – [Mouser Electronics](#), Inc., the New Product Introduction (NPI) leader empowering innovation, is now stocking Power by Linear™ [Digital Power System Management](#) devices from [Analog Devices](#), Inc. This comprehensive series of power system manager ICs, DC/DC controllers with power system manager, and fully integrated μ Module® regulators enables engineers to digitally manage point-of-load (POL) power supplies, increase system reliability, optimize energy consumption, and reduce time to market.

[Analog Devices Power System Management](#) (PSM) devices, available from Mouser Electronics, allow designers to add capabilities like trimming (to +/- 0.25 percent accuracy), margining, sequencing, telemetry, and fault logging to existing power systems. Through a PMBus/SMBus/I²C-interface, the devices help engineers simplify and accelerate power system characterization, optimization, and data mining during prototyping, deployment, and field operation.

The power system managers allow engineers to trim to +/- 0.25 percent accuracy, margin, and monitor [power supply](#) outputs, enabling precise control of power supplies over time and temperature. The devices support autonomous operation with no coding required, while on-the-fly configuration adjustments ensure consistent performance tailored to the needs of the application.

DC-DC controllers with power system management boast a fast-analog loop for DC-DC conversion with digital telemetry and control. The PSM devices enable monitoring and data-logging of current, power, voltage, and temperature, helping designers to avoid failures by maintaining board health and predicting component aging. Each PSM device is configured and monitored through a PMBus/SMBus/I²C digital interface and supports multiple rails with a single product. The highly-integrated PSM devices allow designers to save board space, replacing complex circuitry with a compact solution.

The PSM devices are supported by LTpowerPlay®, Analog Devices' engineering-level development environment that features a graphical user interface and support for up to 256 voltage rails. LTpowerPlay software provides excellent diagnostic and debug features, and becomes a valuable diagnostic tool during board bring-up to program or tweak the power management scheme in a system or to diagnose power issues when bringing up rails.

To learn more, visit www.mouser.com/adi-digital-power-system-management.

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 700 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 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 Analog Devices

Analog Devices is the leading global high-performance analog technology company dedicated to solving the toughest engineering challenges. We enable our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure, power, connect and interpret. Visit <http://www.analog.com>.

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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