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Exar's Quad Universal PMIC Delivers >40A/Output

Programmable XR77128 Leverages DrMOS technology to power high current digital cores

FREMONT, Calif., Feb. 10, 2015 /PRNewswire/ -- Exar Corporation (NYSE: EXAR), a leading supplier of high performance integrated circuits and system solutions, today introduced the [XR77128](#), a universal PMIC which drives up to 4 independently controlled external DrMOS power stages at currents >40A for the latest 64-bit ARM processors, FPGAs, DSPs and ASICs. DrMOS technology is quickly growing in popularity in telecom and networking applications. These same applications find value in Exar's Programmable Power technology which allows low component count, rapid development, easy system integration, dynamic control and telemetry. Depending on output current requirements, each output can be independently configured to directly drive external MOSFETs or DrMOS power stages.

The XR77128 is quickly configured to power nearly any FPGA, SOC or DSP system through the use of Exar's design tool, PowerArchitect™ and programmed through an I²C based SMBus compliant serial interface. It can also monitor and dynamically control and configure the power system through the same I²C interface. Five configurable GPIOs allow for fast system integration for fault reporting and status or for sequencing control. A new Arduino-based development platform allows software engineers to begin code development for telemetry and dynamic control long before their hardware is available.

The XR77128 is available in a RoHS compliant, green/halogen free space-saving 7mm × 7mm TQFN and is priced at \$7.75 in 1000-piece quantities. For more information, visit www.exar.com/xr77128.

Summary of features:

- DrMOS and/or MOSFET drive capability
- 4.75V to 25V input voltage
- Quad channel step-down controller
- Digital PWM 105kHz to 1.23MHz operation
- SMBus compliant I²C interface
- Supported by PowerArchitect 5.2 or later
- Arduino development system

About Exar

Exar Corporation designs, develops and markets high performance integrated circuits and

system solutions for the industrial and embedded systems communications, high-end consumer and infrastructure markets. Exar's broad product portfolio includes analog, display, LED lighting, mixed-signal, power management, connectivity, data management and video processing solutions. Exar has locations worldwide providing real-time customer support. For more information, visit www.exar.com.

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