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Exar Announces Improved Replacements for Analog Devices High-Speed Operational Amplifier Family

XR805x Family Delivers Superior Combination of Power Consumption and Performance

FREMONT, Calif., Oct. 24, 2013 /PRNewswire/ -- Exar Corporation (NYSE: EXAR), a leading supplier of high performance analog mixed-signal components and data management solutions, today announced three industry-leading operational amplifiers the XR8051, XR8052 and XR8054. The devices are pin compatible replacements for the 110MHz Analog Devices AD8051, AD8052 and 150MHz AD8054 single, dual and quad devices, respectively. The XR805x family of high-speed operational amplifiers is well suited for applications such as video distribution and surveillance systems to achieve optimal performance and lower overall system power consumption.

The XR805x family offers the best available combination of power consumption and performance:

- 175MHz -3dB Unity Gain Bandwidth
- Rail-to-rail Output
- Inputs extend 300mV beyond the Negative Supply Voltage
- 50MHz Full Power Bandwidth ($V_O=2V_{pp}$),
- 190V/us Slew Rate,
- 0.03%/0.03 degree Differential Gain/Phase
- 2.6mA per Channel
- +/- 100mA Output Current
- 92dB Open Loop Gain
- 102dB Power Supply Rejection Ratio (PSRR)
- 100dB Common Mode Rejection Ratio (CMRR)

The new XR805x family of devices is targeted at applications including video surveillance and distribution systems, professional and IPC cameras, active filter circuits, coaxial cable drivers, and electronic white boards. The amplifiers can drive four video loads and operate from a wide supply voltage range to accommodate general purpose, high-speed applications where dual supplies of up to +/- 6V or single supplies from +2.7V to +12V are required.

"The XR805x family offers customers an opportunity to make their designs more power efficient and at the same time, improve performance," said Gary Ross, Exar's senior vice president and general manager, High Performance Analog product line. "These pin for pin

drop-in replacements allow customers to lower power consumption in existing platforms and offer performance enhancements that enable next generation designs."

Product Availability

The XR805x family is available now and comes in the following packages:

- XR8051 – TSOT-5 / SOIC-8
- XR8052 – MSOP-8 / SOIC-8
- XR8054 – TSSOP-14 / SOIC-14

The suggested retail price for the XR805x family ranges from \$0.69 for the single device to \$1.34 for the quad device in 1,000-unit quantities. To request samples please visit Exar's website at www.exar.com, or contact Customer Service at customersupport@exar.com.

About Exar

Exar Corporation designs, develops and markets high performance, analog mixed-signal integrated circuits and advanced sub-system solutions for the Networking & Storage, Industrial & Embedded Systems, and Communications Infrastructure markets. Exar's product portfolio includes power management and connectivity components, communications products, high performance analog mixed-signal products and network security and storage optimization solutions. Exar has locations worldwide providing real-time customer support. For more information about Exar, visit <http://www.exar.com>.

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