



Exar Launches High-Speed, Small Footprint RS-485 Receivers for High Performance Industrial Applications

- Provides compatibility with low-voltage logic down to 1.65V to simplify multi-voltage system design**
- Offers high 52Mbps data rate, fast propagation delay and excellent package-to-package skew times for improved operation in clock distribution systems**
- $\pm 15\text{kV}$ ESD protection reduces ESD-related failures**

FREMONT, Calif., Sept. 16, 2016 /PRNewswire/ -- Exar Corporation (NYSE: EXAR), a leading supplier of analog mixed-signal products serving the industrial, infrastructure, automotive and audio video markets, today announced a family of high-speed RS-485/RS-422 receivers that accommodate the complex demands of next generation high-speed serial communications designs. The [XR33180](#), [XR33181](#), [XR33183](#), and [XR33184](#) occupy a 3mm x 3mm footprint and feature 52Mbps data rates, fast 15ns propagation delay and 2ns maximum receiver skew. This family is best suited for high performance industrial applications such as multi-drop clock distribution, telecom networking, robotic control, process automation and local area network applications.

The XR33180/81/83/84 (XR3318x) operate from either a 3.3V or 5V supply and are available in tiny 5-pin and 6-pin TSOT23 packages, ideal for high-speed point-to-point RS-485 applications where space is a concern. The XR33184 includes a low voltage logic pin that eliminates the need for a level shifter when interfacing to MCUs or FPGAs that run off of lower supply voltages.

"These stand-alone receivers add point-to-point operability and a tiny footprint option to our broad family of RS-485 serial transceivers," said Dale Wedel, VP of high performance analog at Exar. "With features like the enhanced ESD protection, a logic supply pin, true fail-safe circuitry and enhanced receiver failsafe protection, these receivers meet the growing demands of today's high performance serial communication applications."

All devices feature $\pm 15\text{kV}$ ESD protection on the receiver inputs and exceed the highest ESD rating of IEC 61000-4-2 and operate over an extended temperature range of -40°C to $+125^{\circ}\text{C}$.

The XR33180, XR33181, XR33183, and XR33184 are available now in a RoHS compliant

and green, TSOT23-5 and TSOT23-6 packages. Pricing starts at \$0.55 in quantities of 1,000. For more information, visit www.exar.com/products/interface/serial-transceivers/rs485-422

About Exar

Exar Corporation designs, develops and markets analog mixed-signal products for the industrial, infrastructure, automotive and audio video markets. Exar's broad product portfolio includes power management, signal conditioning, interface, display, 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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