



New Product Announcement

Now at Mouser: Analog Devices' AD242x Automotive Audio Bus Transceivers for Emerging Multi-Mic Applications

March 10, 2020 – [Mouser Electronics](#), Inc. and [Analog Devices](#), Inc. have introduced to the distribution channel new transceivers in the [AD242x](#) Automotive Audio Bus® (A²B®) series. The A²B transceivers have been delivering high-fidelity digital audio to advanced, feature-rich [automotive](#) infotainment systems, while reducing the weight of cable harnesses by up to 75 percent, for over three product generations.

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.

A²B is a high-bandwidth digital bus that can transport I²S audio and I²C digital control data together with clock and power over significant distances, requiring only a single unshielded twisted pair cable. The [AD242x](#) transceivers, available from Mouser Electronics, enable expanded use cases for microphone connectivity, including voice recognition, personal audio zones, and active noise cancellation in the automotive and transportation, building technology, and consumer application spaces. The transceivers allow developers to tailor system-level performance to the most demanding electromagnetic compatibility (EMC) requirements, including to specific requirements of individual OEMs.

The transceivers can connect directly to general-purpose digital signal processors (DSPs), field-programmable gate arrays (FPGAs), application specific integrated circuits (ASICs), microphones, analog-to-digital converters (ADCs), digital-to-analog converters (DACs), and codecs through a multichannel I²S/TDM interface (on the AD2428 and AD2429 variants).

The AD242x A²B transceivers are available in a compact, 32-lead 5 mm × 5 mm package and are fully pin compatible, reducing time to market and simplifying the upgrade process. The advanced features of the A²B transceivers dramatically lower overall system costs, making them an ideal choice for applications such as autonomous transportation, hands-free/speech recognition, Advanced Driver-Assistance Systems ([ADAS](#)), conference rooms, small stage audio, and premium home theater and automotive [audio](#).

To learn more, visit <https://www.mouser.com/new/analog-devices/adi-ad242xw-automotive-a2b-transceivers/>.

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 Analog Devices Inc.

Analog Devices is a 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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