Photo Release -- Avago Technologies Introduces Automotive Photovoltaic MOSFET Driver at Electronica 2014

November 11, 2014

Industry's First Automotive Grade Photovoltaic Driver Enables Solid State Relay Solution for Under-the-Hood Applications

SAN JOSE, Calif. and SINGAPORE, Nov. 11, 2014 (GLOBE NEWSWIRE) -- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for wireless, wireline, storage, and industrial applications, today introduced the ACPL-K30T, an optocoupler-based photovoltaic driver device designed to drive high voltage MOSFET and withstand extreme heat for automotive under-the-hood applications. The device is optimized for use in battery management systems of modern electric vehicles (EV), hybrid electric vehicles (HEV) and plug-in hybrid electric vehicles (PHEV) as well as high-temperature power systems of conventional internal combustion engine vehicles.

A photo accompanying this release is available at http://www.globenewswire.com/newsroom/prs/?pkgid=28938

ACPL-K30T
ACPL-K30T is an optocoupler-based photovoltaic driver device designed to drive high voltage MOSFET and withstand extreme heat for automotive under-the-hood applications.

The ACPL-K30T is the industry's first solid state photovoltaic driver that is automotive qualified per AEC-Q100 Grade 1. The device features high ESD rating and fast turn-off time, and is compatible with a wide selection of AEC-Q101 certified MOSFET components to form a solid state relay solution of desired voltage or current rating. The ACPL-K30T is the latest addition to the Avago R^{2}Coupler® family of automotive optocouplers, providing reinforced insulation and reliability for mission critical under-the-hood applications.

ACPL-K30T Product Highlights

- Qualified to AEC-Q100 Grade 1 Test Guidelines
- Automotive Operating Temperature from -40 °C to +125 °C
- Open Circuit Voltage: 7 V (Typical at LED Drive Current of 10mA)
- Short Circuit Current: 5µA (Typical at LED Drive Current of 10mA)
- Fast Turn-off Time of 40 µs (Typical)
- 2kV Human Body Model ESD Rating
- Stretched SO-8 Package Compatible with Standard Surface Mount Processes
- Lead(Pb) Free and RoHS 6 Fully Compliant

Avago will be showcasing the ACPL-K30T in the Avago Booth 452 Hall A4 at the Electronica 2014 exhibition in Munich, Germany from November 11th to 14th.

"We are very excited about the introduction of the ACPL-K30T. This new R^{2}Coupler photovoltaic driver device has gained significant customer adoption and interests, and is enabling a new generation of solid state relay solutions for automotive under-the-hood applications," said Cheng-Dee Lee, director of business development for Avago's Isolation Products Division. "To date more than 50 car models have adopted Avago's R^{2}Coupler products. The new ACPL-K30T shall further expand Avago product footprints in the EV, HEV and PHEV."

Pricing and Availability

The ACPL-K30T is priced starting at $1.87 USD in 1,000 piece quantities. Samples and production quantities are available now through the Avago direct sales channel and via worldwide distribution partners.

Further information on the Avago ACPL-K30T is available online at

http://www.avagotech.com/pages/en/optocouplers_plastic/plastic_automotive_optocoupler/automotive_integrated_gate_drive_optocouplers/acpl-k30t-000e/

About Avago Technologies

Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, digital, mixed signal and optoelectronics components and subsystems with a focus in III-V compound semiconductor design and processing. Backed by an extensive portfolio of intellectual property, Avago products serve four primary target markets: wireless communications, wired infrastructure, enterprise storage, and industrial and other. For more information, visit Avago's website: www.avagotech.com.

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