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U.S. Patent Issued to Cosemi Technologies on System and Method for Data Communications via Hybrid Cable Medium

IRVINE, Calif., January 21, 2015 – Cosemi Technologies, a global leader in innovative high-speed connectivity solutions is pleased to announce that the United States Patent & Trademark Office has issued US Patent No. 8,948,197. The new patent is the foundation of Cosemi's platform to provide high speed connectivity for consumer applications, everything from 4K Ultra High Definition Television (UHD) to Gigabit I/O communications between mobile devices, all at a cost significantly lower than the competitive architectures. "This patent places Cosemi in the leading position to provide a variety of products such as active HDMI cables, which are increasingly needed for HD/UHD video connections, especially for long distances and high performance resolutions like 4K and 8K. The hybrid nature of this technology platform enables Cosemi to produce very high speed active cables, without external power," says Dr. Nguyen X. Nguyen, CEO of Cosemi Technologies.

The newly issued patent covers a novel active cable architecture which uses fiber optic cables to transmit multi-gigabit data signals and copper wires to carry power and other functions. Cosemi's patent allows fiber optic connectivity traditionally used in Datacom and Telecom applications, to now be economically applied to the exponentially growing number of consumer applications. The growing popularity of 4K TVs shown at the CES 2015 in Las Vegas will trigger a strong demand for high-speed active HDMI cables. According to the HDMI Licensing, LLC press release at the CES, there are currently about "4 billion unit installed base of HDMI-enabled products worldwide."

All HDMI cables produced based on this patent from Cosemi Technologies have the following key features:

- Support for high definition (1080p) and ultra-high-definition (4K) videos
- Deep Color (48-bit), 3D and multi-channel digital audio on a single cable
- Fully compatible with past and existing copper based HDMI standards
- Future proof to support HDMI 2.0, 8K, and beyond
- No need for external power
- Low power consumption
- Low EMI for high speed data
- Low profile connector and cabling

About Cosemi Technologies

Cosemi Technologies, Inc. designs and manufactures high-speed fiber optic components and active optical cables. The company offers a comprehensive portfolio of products that service the Datacom/Telecom, Fiber-in-the-home (FITH), Home Entertainment, Fiber-to-the-Home (FTTH) and Consumer Electronics markets. Founded in 2006, the Irvine, CA based global company also has offices in San Jose, CA and Shanghai, China.

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