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## Goertek, Synaptics Partner on ANC Technology for USB Type-C Headphones

### Groundbreaking Hybrid Adaptive Active Noise Cancellation Delivers Superior Audio

SAN JOSE, Calif., Jan. 08, 2018 (GLOBE NEWSWIRE) -- Synaptics Incorporated (NASDAQ:[SYNA](#)), the leading developer of human interface solutions, and Goertek, a global leader in acoustic components, today announced Synaptics® AudioSmart® *hybrid adaptive digital noise cancelling* technology has been adopted by Goertek for use in a new range of advanced active noise cancelling (ANC) headphones. Synaptics' new noise cancelling technology is the world's-first single-chip integrated hybrid adaptive digital noise cancelling solution for the wired USB Type-C standard.

Leveraging deep ANC product experience, Goertek has successfully created the best performing USB Type-C ANC headphone reference design on the market. The lightweight design delivers a high performing and comfortable ANC experience while delivering excellent sound quality. Goertek's engineering team optimized the product ergonomics to deliver outstanding comfort without compromising on the superior audio response. This battery-less reference design delivers a total solution of premium sound quality without compromising ANC performance, comfort, or design.

Synaptics' ultra-low latency and adaptive active noise cancellation solution allows for deep (up to 50dB) and wide frequency noise cancellation that adapts to the users environment as well as the headphone position. Whether in-ear, over-ear, or on-ear, Synaptics delivers best-in-class ANC in a variety of acoustic design and form factors. AudioSmart noise cancelling technology makes no compromises on music playback quality and requires no post-processing to compensate for music dynamic range loss that is often a characteristic of alternative noise cancelling solutions.

"At Goertek we raised the bar on high-performance audio solutions, and partnering with Synaptics helps us stay on the cutting-edge by leveraging their innovative ANC technology into our headset portfolio," said Dr. Pen C. Li, vice president, Product Marketing at Goertek. "As a leading ODM with a full breadth of acoustic solutions, we acknowledge USB-C represents a paradigm shift in digital headsets, and we are thankful for the superior technology and support that Synaptics provides."

"USB-C continues to gain traction with attach rates growing significantly year-over-year across key global headset markets such as for smartphones, or more immersive audiophile headphones," said Saleel Awsare, vice president and general manager, Audio and Imaging Business at Synaptics. "Partnering with Goertek is a terrific way to deliver our best-in-class adaptive hybrid ANC technology with lossless dynamic range across Goertek's broad leadership portfolio of digital headsets."

This joint development combines Synaptics' Adaptive ANC technology with Goertek's deep product development experience to deliver a superior ANC solution. The reference design enables original equipment manufacturers (OEMs) quicker time-to-market for high-performing ANC Type-C headphones.

#### Join us at CES:

Synaptics welcomes press and analysts to join us at CES for a live demonstration of our latest innovations. For a private appointment, please contact [synaptics@vocecomm.com](mailto:synaptics@vocecomm.com).

#### About Goertek:

Goertek is a global leader in total system design and manufacturing and was the worldwide #1 ODM for virtual reality HMD in 2016. Goertek Inc. was established in June 2001, and listed on the Shenzhen Stock Exchange in May, 2008. As a worldwide leading high-tech consumer electronics company, Goertek's main focuses consist of R&D, production and sales of electro-acoustic components, including MEMS mic, sensor, miniature speaker, linear motor, antenna, CNC metal parts, optical component, camera module, and system product, including VR/AR and VR Accessories device, wearable device, smart hearable device such as smart speaker box and wired/wireless headphone/earphone, smart robots and 360 degree cameras.

#### About Synaptics:

Synaptics is the pioneer and leader of the human interface revolution, bringing innovative and intuitive user experiences to intelligent devices. Synaptics' broad portfolio of touch, display, biometrics, voice, audio, and multimedia products is built on the company's rich R&D, extensive IP and dependable supply chain capabilities. With solutions designed for mobile, PC, smart home, and automotive industries, Synaptics combines ease of use, functionality and aesthetics to enable products

that help make our digital lives more productive, secure and enjoyable. (NASDAQ:[SYNA](#)) [www.synaptics.com](http://www.synaptics.com).

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