



TAIYO YUDEN

For immediate release

TAIYO YUDEN and GE Ventures Collaborate On Microelectronics Embedding Technology for Next-Generation Semiconductors

TOKYO, JAPAN – July 25, 2016 - TAIYO YUDEN CO., LTD. and GE Ventures announced today that GE Ventures has licensed intellectual property (IP) to TAIYO YUDEN for fabricating substrates embedded with electronic circuits in late 2014. With this technology transfer, TAIYO YUDEN and GE will construct a joint development framework toward the commercialization of next-generation wirebondless, embedded electronics circuits.

TAIYO YUDEN will develop Si-, SiC- and GaN-based wirebondless embedded electronics circuits with the technology and the patent licenses provided by GE Ventures Licensing. Embedded electronic packaging technologies provide significantly improved electrical performance (for example, reduced parasitics), can increase functional density of the electronics circuits by more than a third, and can increase efficiency by over 10%.

“We are extremely pleased to have TAIYO YUDEN as an embedded electronics partner,” said Pat Patnode, President of Licensing at GE Ventures. “The strong demand for high performance electronics circuits continues to drive advance research, and GE is excited to partner with TAIYO YUDEN to bring wirebondless embedded packaging solutions to the next generation of electronics.” These embedded electronics circuits can be built into higher level power assemblies and systems for a wide variety of applications.

“TAIYO YUDEN will target power devices, Internet of Things (IoT), and wearable applications with this GE Power Overlay (POL) technology. This technology will allow additional new application opportunities leveraging the strength of Taiyo Yuden’s current packaging and assembly technology capability and experience.” Said, Hiroshi Kishi, Operating Officer, Research and Development Laboratory.

GE Ventures accelerates innovation and growth for partners by providing access to GE technologies and inventions through licensing and joint development partnerships. This advanced microelectronics embedding technology is being licensed to leading global manufacturing partners to provide advanced solutions back to businesses worldwide and also to GE, as part of the GE Store.

TAIYO YUDEN is a worldwide electronic component manufacturer with a wide application base for their technology. Since their inception in 1950, they have achieved growth by undertaking the research, development, manufacture and sale of various types of electronic components.

About GE Ventures

GE Ventures is committed to identifying, scaling and accelerating ideas that will make the world work better. Focused on the areas of software, advanced manufacturing, energy and healthcare, GE Ventures helps entrepreneurs and start-ups succeed by providing access to GE's technical expertise, capital and opportunities for commercialization through GE's global network of business, customers and partners. GE Ventures offers an unparalleled level of resources through its Global Research Center, including: 35,000 engineers; 5,000 research scientists; 8,000 software professionals; as well as 40,000 sales, marketing and development resources in over 100 countries. For more information, please visit geventures.com.