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Mie Fujitsu and SST Announce Automotive Platform Development on 40nm Technology

SuperFlash® Memory Technology to be Developed by First Pure-play Foundry in Japan

YOKOHAMA, Japan and CHANDLER, Ariz., Aug. 07, 2017 (GLOBE NEWSWIRE) -- Mie Fujitsu Semiconductor Limited (MIFS), a Japanese pure-play foundry company, and Microchip Technology Inc. (NASDAQ:MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, through its Silicon Storage Technology (SST) subsidiary, today announced their plans to develop an automotive platform on 40 nm technology using SuperFlash® memory technology licensed by SST. MIFS will be the first pure-play foundry in Japan to offer the industry-standard SuperFlash technology platform. While the technology will be available for multiple applications, including Internet of Things (IoT) and high voltage, the focus will be on automotive AEC-Q100 (Grade 1) applications.

“We are thrilled to have the opportunity to partner with SST,” said Masahiro Chijiwa, executive vice president of Mie Fujitsu Semiconductor. “Customers currently have to go outside of Japan to manufacture their semiconductor devices. We have received a great demand for what we now have the ability to offer with this new partnership. The combination of our high-quality foundry services and SST’s SuperFlash technology will yield an excellent offering to customers in several industries including automotive, IoT and high voltage.”

“I am confident that the combination of SST and MIFS for a 40 nm embedded Flash platform will ultimately bring a great and needed product to the market,” said Mark Reiten, vice president of SST. “This partnership presents a unique opportunity to combine SST’s industry-standard SuperFlash technology with MIFS’ years of automotive manufacturing experience.”

SST’s embedded SuperFlash memory solution offers low-power, high-reliability and high-density performance-driven IC designs. SuperFlash technology is based on a proprietary split-gate Flash memory cell with the following capabilities:

- Low-power program, erase and read operations
- High performance with fast read access
- Good scalability from 1 µm technology node to 28 nm technology node
- High endurance cycling up to 500,000 cycles
- Excellent data retention of over 20 years
- Good performance at high temperature (Tj Max = 150°C) for automotive-grade applications
- Immunity to Stress-Induced Leakage Current (SILC)

The platform is expected to be available for client's test chips starting in calendar quarter one 2018. For more information, visit: <http://www.fujitsu.com/jp/mifs/en/>

About Mie Fujitsu Semiconductor

Mie Fujitsu Semiconductor is a pure-play foundry company based on 300 mm wafer manufacturing facilities located in Kuwana city, Mie, Japan. Headquartered in Yokohama, it was established as a subsidiary of Fujitsu Semiconductor Limited on December 1, 2014. UMC became its minority shareholder in March 2015. Mie Fujitsu Semiconductor provides high-quality technology and services, with wide-ranging expertise focusing on Ultra-Low-Power, Non-Volatile Memory and RF Technology. For more information, please see: <http://www.fujitsu.com/jp/mifs/en/>

About Silicon Storage Technology

Microchip Technology's SST subsidiary is a leading provider of embedded Flash technology. SST develops, designs, licenses and markets a diversified range of proprietary and patented SuperFlash memory technology solutions for the consumer, industrial, automotive and Internet of Things (IoT) markets. SST was founded in 1989, and was acquired by Microchip in April 2010. SST is now a wholly owned subsidiary of Microchip, and is headquartered in San Jose, Calif. For more information, visit the SST Web site at www.sst.com.

About Microchip Technology

Microchip Technology Inc. (NASDAQ:MCHP) is a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at www.microchip.com.

Note: The SST name, the SST logo and SuperFlash are registered trademarks of Microchip Technology Inc. and Silicon Storage Technology, Inc., as applicable, in the USA and other countries. All other trademarks mentioned herein are the property of their respective companies.

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Source: Microchip Technology Incorporated; Mie Fujitsu Semiconductor Limited