# GLOBALFOUNDRIES, indie Semiconductor Deliver Performance-Enhanced Microcontrollers for Automotive Applications

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*55nm LPx platform, with SST's highly reliable embedded SuperFlash®, increases performance and energy efficiency for automotive applications*

Santa Clara, Calif., November 12, 2018 – GLOBALFOUNDRIES and indie Semiconductor today announced the release of a new generation of customized microcontrollers on GF's 55nm Low Power Extended (55LPx) automotive-qualified platform, which includes embedded non-volatile memory (SuperFlash®) technology. indie Semiconductor's new Nigel products are based on ARM Cortex-M4 microcontroller cores, capable of supporting advanced functionalities in IoT, medical and automotive markets. indie Semi is already shipping products, manufactured on GF's 55LPx process, to automotive customers in volume.

indie's custom microcontrollers integrate in a single device mixed-signal functionality for sensing, processing, controlling and communicating. GF's 55LPx platform, with SST's SuperFlash® memory technology, enables the use of high-density memory and high-performance processing combined with mixed-signal functions in indie's Nigel M4 controllers, delivering a highly integrated automotive solution at 55nm node.

"indie's Nigel controller is designed to support high performance computing for automotive system architectures," said Paul Hollingworth, executive vice president of sales and marketing at indie Semiconductor. "As automotive system requirements get more complex, our customers need solutions to perform complex processing while combining multiple functions into a single chip to minimize size and weight. We chose GF's automotive-qualified 55LPx platform for its combination of density, performance and cost."

"GF is pleased to be working with indie Semiconductor, a leader in state-of-the-art SoC technology," said Rajesh Nair, vice president of mainstream offering management at GF. "indie Semiconductor joins our rapidly growing client base for GF's 55LPx platform, which offers a combination of superior low-power logic, embedded non-volatile memory, extensive IP, and superior reliability for consumer, industrial and automotive grade 1 applications."

The 55LPx RF-enabled platform provides a fast path-to-product solution that includes silicon-qualified RF IP and Silicon Storage Technology's (SST) highly reliable embedded SuperFlash® memory. The platform is in volume production on GF's 300mm line in Singapore. In addition to Nigel, indie Semiconductor is currently developing several products on the technology, many of which are for automotive applications.

Process design kits and an extensive offering of silicon proven IP are available now. For more information on GF's mainstream CMOS solutions, contact your GF sales representative or go to globalfoundries.com.

**About indie**
indie designs and manufactures custom, microcontroller-based chips, using ARM cores. We replace most of the contents of a printed circuit board with a single, optimal chip. This reduces the product size, cost and power consumption compared with solutions based around standard, off-the-shelf components. Reliability, manufacturability and security from copying are all increased. www.indiesemi.com

**About GF**
GLOBALFOUNDRIES is a leading full-service semiconductor foundry providing a unique combination of design, development, and fabrication services to some of the world's most inspired technology companies. With a global manufacturing footprint spanning three continents, GLOBALFOUNDRIES makes possible the technologies and systems that transform industries and give customers the power to shape their markets. GLOBALFOUNDRIES is owned by Mubadala Investment Company. For more information, visit http://www.globalfoundries.com.

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