GLOBALFOUNDRIES®, ON Semiconductor Deliver the Industry's Lowest Power Bluetooth® Low Energy SoC Family

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55nm LPx RF-enabled platform, with SST's highly reliable embedded SuperFlash®, provides low power and cost for IoT and "Connected" Health and Wellness Devices

Singapore andSanta Clara, Calif., June 19, 2017 – GLOBALFOUNDRIES and ON Semiconductor (Nasdaq: ON) today announced the availability of a System-on-Chip (SoC) family of devices, on GF's 55nm Low Power Extended (55LPx), RF-enabled process technology platform. ON Semiconductor's new RSL10 products are based on a multi-protocol Bluetooth 5 certified radio SoC capable of supporting the advanced wireless functionalities in IoT and "Connected" Health and Wellness markets.

"Bluetooth low energy technology continues to advance as the key enabler for connecting IoT devices, especially with low power consumption requirements," said Robert Tong, vice president of ON Semiconductor's Medical and Wireless Products Division. "GF's 55LPx platform - with its low power logic and highly reliable embedded SuperFlash® memory combined with proven RF IP - was an ideal match. The RSL10 family offers the industry's lowest power consumption in Deep Sleep Mode and Peak Receiving Mode, enabling ultra-long battery life, and supporting functionalities like Firmware Over the Air updates. ON Semiconductor's new RSL10 SoCs use these advanced features to address a wide range of applications including wearables and IoT edge-node devices such as smart locks and appliances."

"GF's 55LPx platform, combined with ON Semiconductor's design, has delivered wearable SoC technology at 55nm, with industry leading energy efficiency," said David Eggleston, vice president of embedded memory at GF. "This is another proof point that 55LPx is becoming the preferred choice for SoC designers that are seeking cost effective performance, low power consumption, and superior reliability in extreme environments."

GF's 55nm LPx 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 featuring:

- Very fast read speed (<10ns)
- Small bitcell size
- Superior data retention (> 20 years)
- Superior endurance (> 200K cycles)
- Fully qualified for Auto Grade 1 operation (AEC-Q100)

GF's 55LPx eFlash platform has been in volume production at the foundry's 300mm line in Singapore since 2015. The 55LPx eFlash platform is a cost effective solution for a broad range of products, ranging from wearable devices to automotive MCUs.

Customers can start optimizing their chip designs with GF's process design kits, enabling designers to develop differentiated eFlash solutions that require cost effective performance, low power consumption, and superior reliability in extreme environments.

For more information on GF's mainstream CMOS solutions, contact your GF sales representative or go to www.globalfoundries.com.

To learn more about the RSL10 product family, visit the product page and read the "Bringing Industry's Lowest Power to Bluetooth Low Energy Technology" blog . To request samples or order an evaluation board, please contact your local ON Semiconductor sales representative.

About ON Semiconductor

ON Semiconductor (Nasdaq: ON) is driving energy efficient innovations, empowering customers to reduce global energy use. The company is a leading supplier of semiconductor-based solutions, offering a comprehensive portfolio of energy efficient, power management, analog, sensors, logic, timing, connectivity, discrete, SoC and custom devices. The company's products help engineers solve their unique design challenges in automotive, communications, computing, consumer, industrial, medical, aerospace and defense applications. ON Semiconductor operates a responsive, reliable, world-class supply chain and quality program, a robust compliance and ethics program, and a network of manufacturing facilities, sales offices and design centers in key markets throughout North America, Europe and the Asia Pacific regions. For more information, visit http://www.onsemi.com.

About GLOBALFOUNDRIES

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 Development Company. For more information, visit http://www.globalfoundries.com.

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Contact:

Erica McGill GLOBALFOUNDRIES (518) 795-5240 erica.mcgill@globalfoundries.com	Brittany Baguio ON Semiconductor 408) 822-2196 brittany.baguio@onsemi.com