Dialog Semiconductor Licenses its Non-Volatile Resistive RAM Technology to GLOBALFOUNDRIES for 22FDX Platform, Targeting IoT and AI

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London, United Kingdom and Santa Clara, California October 19, 2020 DIALOG SEMICONDUCTOR (XETRA:DLG), a leading provider of battery and power management, Wi-Fi® and Bluetooth® low energy (BLE) and Industrial edge computing solutions and GLOBALFOUNDRIES® (GF®), the world's leading specialty foundry, today announced that they have entered into an agreement in which Dialog licenses its Conductive Bridging RAM (CBRAM) technology to GLOBALFOUNDRIES. The resistive ram (ReRAM)-based technology was pioneered by Adesto Technologies which was recently acquired by Dialog Semiconductor in 2020. GLOBALFOUNDRIES will first offer Dialog's CBRAM as an embedded, non-volatile memory (NVM) option on its 22FDX® platform, with the plan to extend to other platforms.

Dialog's proprietary and production proven CBRAM technology is a low power NVM solution designed to enable a range of applications from IoT and 5G connectivity to artificial intelligence (AI). Low power consumption, high read/write speeds, reduced manufacturing costs and tolerance for harsh environments make CBRAM particularly suitable for consumer, medical, and select industrial and automotive applications. Furthermore, CBRAM technology enables cost-effective embedded NVM for advanced technology nodes required for products in these markets.

"CBRAM is one of Adesto's marquee memory technologies and a game-changing addition to Dialog's portfolio. This new licensing partnership with GLOBALFOUNDRIES speaks to just how quickly Dialog and Adesto have hit the ground running together," said Mark Tyndall, Senior Vice President of Corporate Development and General Manager of the Industrial Mixed Signal Business Group at Dialog Semiconductor.

"Looking ahead, I am very positive about our strong relationship with GLOBALFOUNDRIES. This agreement not only enables a state-of-the-art technology for the industry, but it also creates the opportunity for Dialog to adopt leading-edge CBRAM technology for its next generation of System on Chips (SoCs)," added Tyndall.

"Our partnership with Dialog demonstrates GF's commitment to intensify investment in areas where we can further differentiate and add value for our customers," said Mike Hogan, Senior Vice President and General Manager of Automotive, Industrial and Multi-market at GF. "Dialog's ReRAM technology is a great addition to our family of leading-edge eNVM solutions. This memory solution, coupled with our FDX™ platform, will enable our customers to push the envelope and deliver a new generation of secure IoT and edge-AI applications."

Overcoming the integration and reliability challenges often associated with ReRAM, Dialog's CBRAM technology offers a reliable low-cost embedded memory while maintaining ReRAMs low voltage operation. This translates to lower energy write and read access as compared to standard embedded Flash offerings.

CBRAM will be available in production for use by GF customers as an embedded NVM option on its 22FDX platform in 2022. Through IP customization, customers may modify the CBRAM cell to optimize their SoC designs, enhance security, or even adapt the cell for new applications. Additionally, CBRAM being a "back-end-of-line" technology enables relatively easy integration into other technology nodes.

Learn more about Dialog CBRAM technology here.

Learn more about GLOBALFOUNDRIES' 22FDX platform here.

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About Dialog Semiconductor

Dialog Semiconductor is a leading provider of standard and custom integrated circuits (ICs) that power the Internet of Things and Industry 4.0 applications. Dialog's proven expertise propels the next generation

of today's devices by providing Battery Management, Bluetooth® low energy, Wi-Fi, Flash memory, and Configurable Mixed-signal ICs, improving power efficiency, reducing charge times, while increasing performance and productivity on the go.

Dialog operates a fabless business model and is a socially responsible employer pursuing many programs to benefit the employees, community, other stakeholders and the environment it operates in. With decades of experience and world-class innovation, we help manufacturers get to what's next. Our passion for innovation and entrepreneurial spirit ensures we remain at the forefront of power efficient semiconductor technology for the IoT, mobile, computing and storage, connected medical, and automotive markets. Dialog is headquartered near London with a global sales, R&D and marketing organization. In 2019, it had approximately $1.4 billion in revenue and is consistently one of the fastest growing European public semiconductor companies. It currently has approximately 2,300 employees worldwide. The company is listed on the Frankfurt (FWB: DLG) stock exchange (Regulated Market, Prime Standard, ISIN GB0059822006).

For more information, visit www.dialog-semiconductor.com.

About GLOBALFOUNDRIES

GLOBALFOUNDRIES (GF) is the world's leading specialty foundry. GF delivers differentiated feature-rich solutions that enable its customers to develop innovative products for high-growth market segments. GF provides a broad range of platforms and features with a unique mix of design, development and fabrication services. With an at-scale manufacturing footprint spanning the U.S., Europe and Asia, GF has the flexibility and agility to meet the dynamic needs of customers across the globe. GF is owned by Mubadala Investment Company.

For more information, visit www.globalfoundries.com.