



New Product Announcement

Dialog's DA14682 and DA14683 SoCs, Now at Mouser, Enable Secure Low-Power Bluetooth 5 Applications

July 30, 2018 – [Mouser Electronics](#), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [SmartBond™ DA14682 and DA14683](#) *Bluetooth® 5* system-on-chips (SoCs) from [Dialog Semiconductor](#). Part of the highly integrated SmartBond family of power-efficient Bluetooth low energy solutions, the new SoCs deliver [low power](#) consumption and enhanced security features with industry-leading performance.

The [Dialog SmartBond DA14582 and DA14583](#) *Bluetooth 5* SoCs, available from Mouser Electronics, offer designers all the benefits of the [DA14586](#) SoC, but with even greater flexibility to create more advanced applications from the smallest footprints and power budgets. In addition to *Bluetooth 5* support, the two devices offer extensive memory capacity and differ only in memory configuration. The DA14683 supports unlimited external flash for maximum design flexibility, while the DA14682 includes 8 Mbits of onboard flash, making it ideal for applications with tight space constraints. The SoCs also feature a dedicated state-of-the-art hardware crypto engine that delivers fast and low-power processing of cryptographic algorithms, while on-chip key storage and manipulation delivers an ideal balance between security and affordability.

Dialog's DA14683 and DA14682 SoCs are ideal for adding *Bluetooth low energy mesh* networking to asset trackers, cloud-connected products, [Internet of Things](#) (IoT) devices, wearables, human-machine interface (HMI) devices, and smart home nodes. The devices are supported by [DA14683 development kits](#) and Dialog's SmartSnippets™ software to help engineers optimize software for power consumption.

To learn more, visit www.mouser.com/dialog-da14682-da14683.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 700 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Dialog Semiconductor

Dialog Semiconductor creates highly integrated, mixed-signal integrated circuits (ICs), optimized for personal portable, low-energy short-range wireless, LED solid-state lighting and automotive applications. The company provides flexible and dynamic support, world-class innovation and the assurance of dealing with an established business partner.

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