ICODE® SLIX-L

SL2S5002_SL2S5102

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The ICODE SLIX-L IC is a dedicated chip for smart label applications with the need for a leaner custom-specific command set, smaller memory and/or a product, which takes care of the increasing demand for perfect customer privacy. This IC is another member of our ICODE SLIX product family that is fully compliant with the ISO standards ISO/IEC 15693 and ISO/IEC 18000-3, prolonging a successful story of NXP in the field of vicinity identification systems.
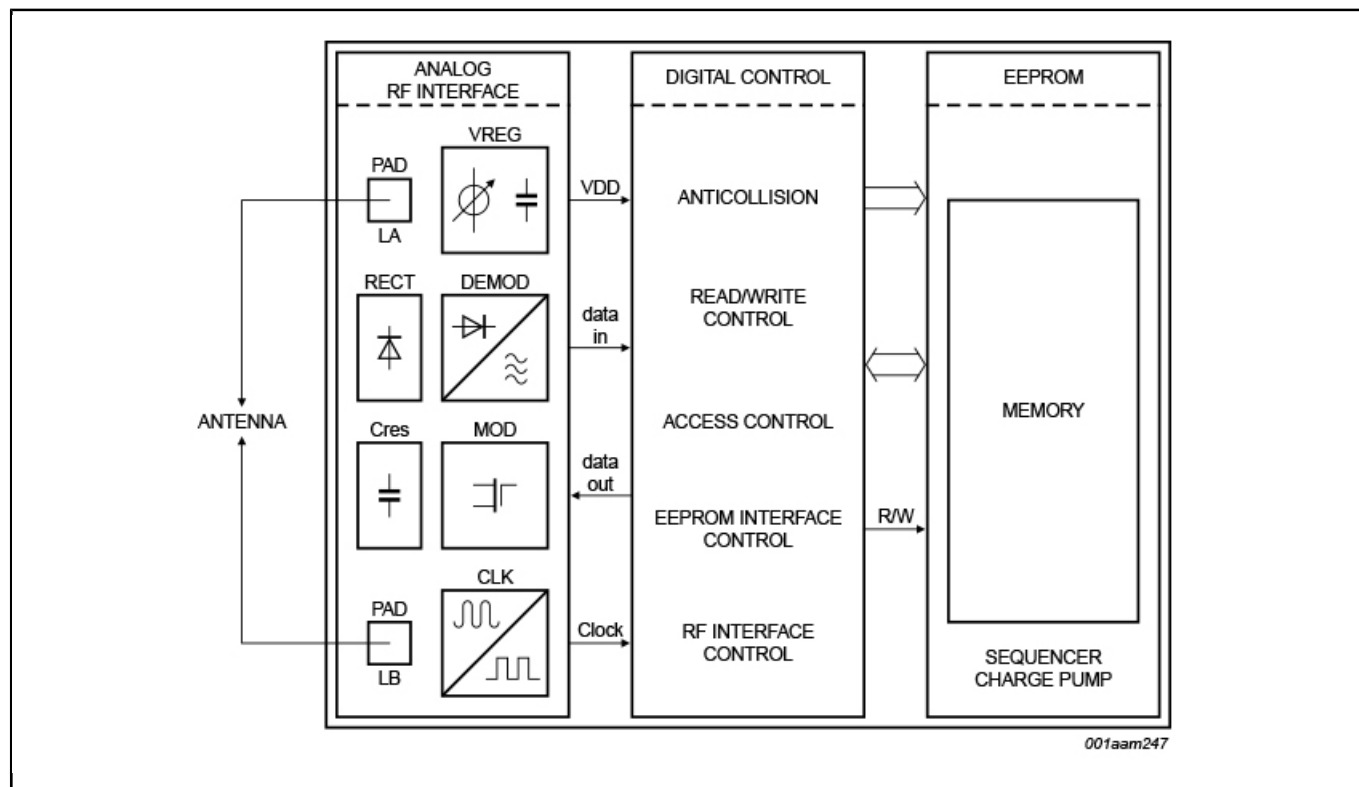
Contactless energy and data transfer
Whenever connected to a very simple and easy-to-produce type of antenna (as a result of the 13.56 MHz carrier frequency) made out of a few windings printed, winded, etched or punched coil, the ICODE SLIX-L IC can be operated without line of sight up to a distance of 1.5 m (gate width), no battery needed. When the smart label is positioned in the field of an interrogator antenna, the high-speed RF communication interface enables data to be transmitted up to 53 kbit/s.

Anti-collision
An intelligent anti-collision function enables several tags to operate in the field simultaneously. The anti-collision algorithm selects each tag individually and ensures that the execution of a transaction with a selected tag is performed correctly without data corruption resulting from other tags in the field.

SL2S5002_SL2S5102 block diagram Block Diagram

View additional information for ICODE® SLIX-L.

Note: The information on this document is subject to change without notice.