ICODE® SLIX

SL2S2002_SL2S2102

Not Recommended for New Designs

This product is not recommended for new designs. We recommend to use ICODE SLIX2 or ICODE 3 IC for the 23.5 pF version, and ICODE 3 for the 97 pF version.

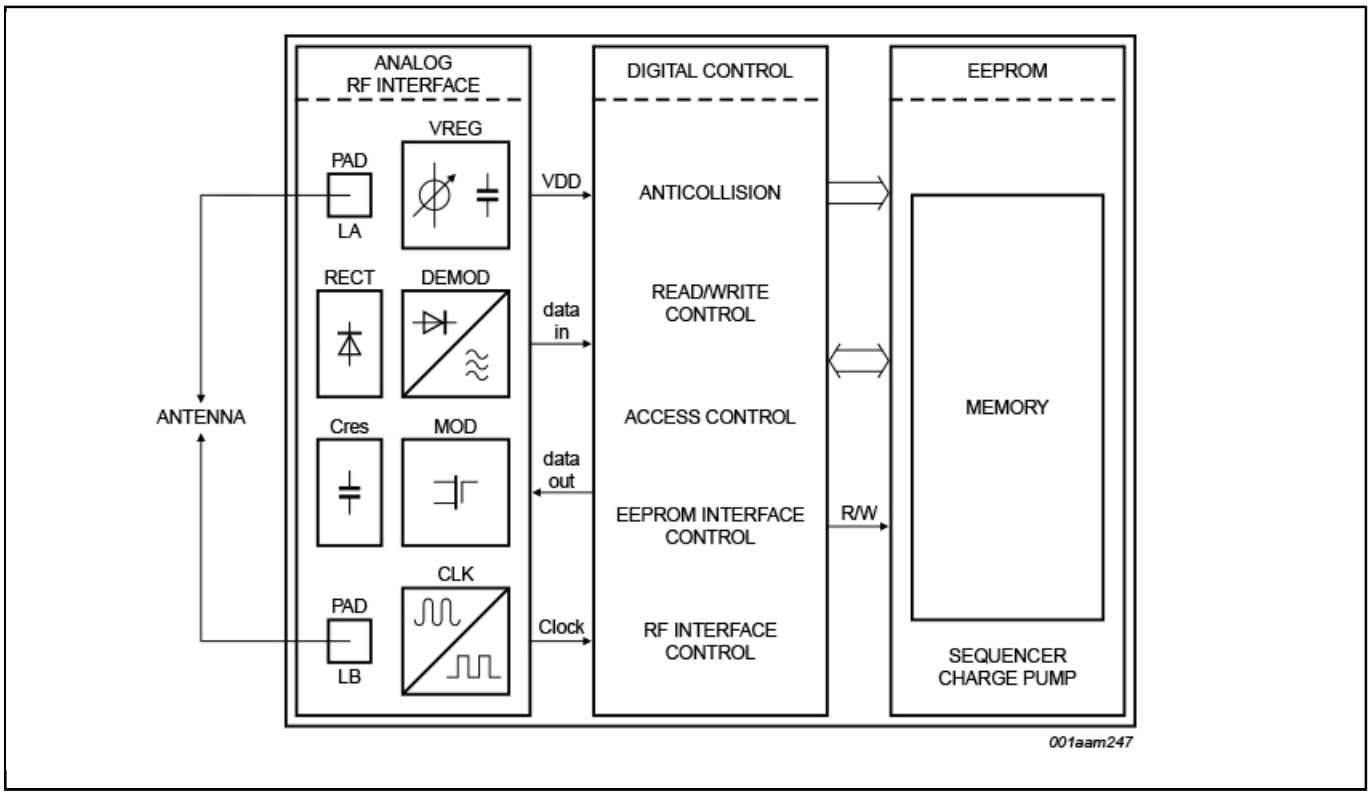
Last Updated: Sep 12, 2025

The ICODE SLIX IC is a dedicated chip for intelligent label applications such as libraries, product authentication in different industries such as pharmaceutical, medical devices and alcohol, as well as production management in different areas of the industry. This IC is the third generation of a product family of smart label ICs based on 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 IC can be operated without line of sight up to a distance of 1.5 m (gate width). No battery is 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.

SL2S2002_SL2S2102 Block diagram Block Diagram



View additional information for ICODE® SLIX.

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