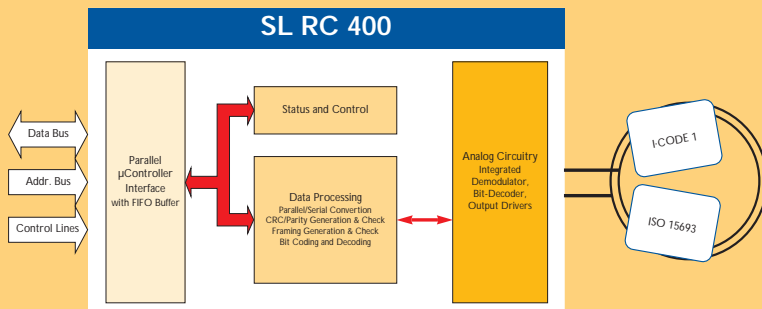
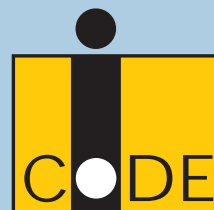


# I•CODE

## Single Chip Reader IC

### SL RC400



## Features

- Single-chip contactless reader IC
- Highly integrated analog circuitry
- Buffered output drivers minimize the number of passive external components needed to connect to an antenna
- Proximity operating distance (up to 10 cm)
- Supports I•CODE 1 and ISO 15693 ICs, such as I•CODE SLI
- Parallel microcontroller interface and IRQ line
- Convenient send and receive FIFO buffer
- Power down mode via hardware or software
- 5V power supply

The SL RC400 is the first single chip reader IC for smart label systems. Incorporating complete analog and digital functionality for smart label RFID, this cost efficient chip is suitable for flexible and easy reader development. It provides a single-chip solution for a reader module's front-end RF functionality, replacing the majority of components in existing discrete solutions for handheld devices and printer programming modules, allowing quick design in and fast time to market.

Optimised to support smart label applications, the chip is based on Philips Semiconductors' I•CODE technology, supporting I•CODE 1 and ISO15693 ICs such as the I•CODE SLI. It is suitable for handheld and portable readers for a variety of applications including airline baggage tracking, parcel and mail services, supply chain management and rental services.

SL RC400 is pin-to-pin compatible to MF RC500, the MIFARE® Single Chip Reader IC. Therefore it is now possible to build a single reader design that can either read I•CODE smart labels or MIFARE® based smart cards.

The SL RC400 IC provides a single-chip solution for the module's front-end RF functionality with the capability of replacing the majority of components in existing discrete solutions for handheld devices and printer programming modules in applications covering airline baggage tracking, parcel and mail services, supply chain management and rental services.

For further information please contact your local Philips Semiconductors Sales Office  
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Specification subject to change without notice  
SL RC400 will be available as from Q2/2001

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