

# mifare<sup>®</sup> Pegoda

## Contactless Smart Card Reader



**Business Unit Identification**

Business Line Reader ICs

[www.semiconductors.philips.com/identification](http://www.semiconductors.philips.com/identification)

[info.bli@philips.com](mailto:info.bli@philips.com)

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**January 2002**



**PHILIPS**

# Introduction mifare® Pegoda

- The design In packages (MF EV700, MF EV800) consisting of the MF RC500 based PEGODA reader, mifare® cards, application programs and documentation are evaluation and development kits for ISO14443A schemes such as mifare® Classic, mifare® Pro, mifare® ProX.
- Multiple usage of the Pegoda reader:
  - Test or demonstration programs based on a PC environment
  - Contactless log on or secure contactless transactions
  - plug and play due to USB host interface

# Product features mifare® Pegoda

- based on the MF RC500 reader IC
- proximity operating distance (typical 7.5cm )
- supports ISO/IEC 14443 A and mifare® systems
- ready for application development
- USB host interface
- system requirements: Windows 2000 or Windows 98
- CE and FCC Approval
- ISO operating frequency of 13.56 MHz

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# How to use the design in packages?

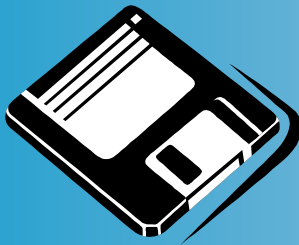
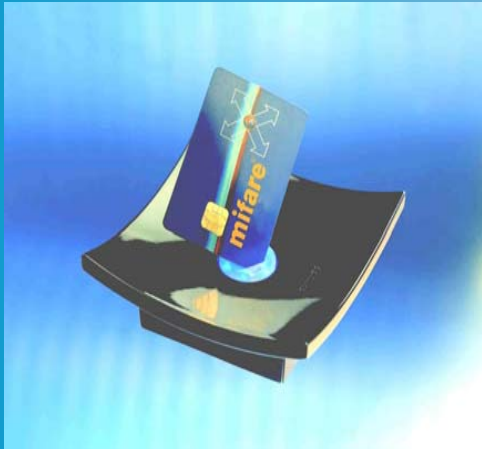
## MF EV700

- design-in package tailored to support software development for PC based **applications** based on mifare<sup>®</sup> and ISO14443 A.

## MF EV800

- full design-in package tailored to support software and hardware development for mifare<sup>®</sup> and ISO14443 A installations.
- full design-in package for mifare<sup>®</sup> and ISO14443 A **reader** development.
  - The USB Pegoda reader and the included RS232 reader PCB are reference designs for customers development.
  - accompanied MF RC 500 reader IC samples for own hardware design
  - The included software and libraries offer the possibility to design and test application software in parallel to the hardware design.

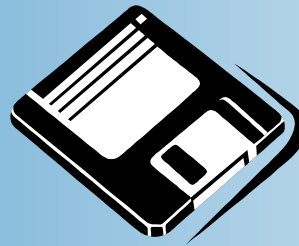
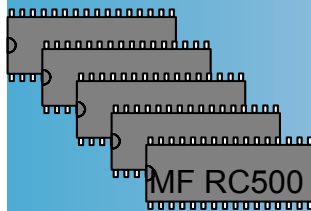
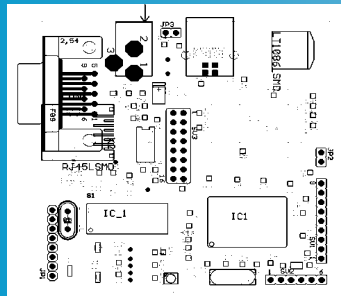
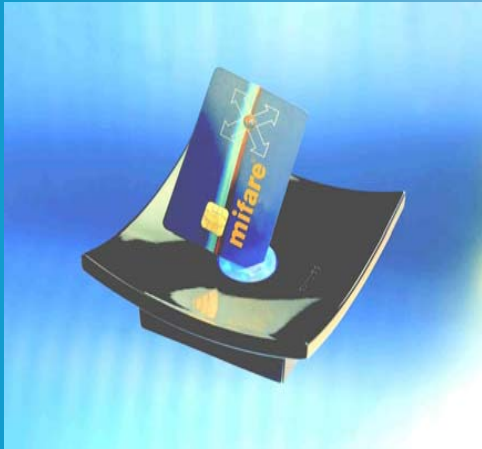
# MF EV700 design in package



## ● Contents

- ➔ mifare® Pegoda: USB Reader
- ➔ 5 mifare® Cards
- ➔ CDROM including
  - Documentation
  - Software Libraries
  - Application program
  - PC demoprogram

# MF EV800 Full design in package



## ● Contents

- ➔ mifare® Pegoda: USB Reader
- ➔ MF RC500 IC Samples
- ➔ additional Reader PCB supporting RS232, card size antenna & 50 Ohm matching circuit
- ➔ 5 mifare® Cards & 1watch
- ➔ CDROM including
  - Documentation
  - Software Libraries
  - Application program
  - PC demoprogram

# Ordering information

- MF EV700/ HAB: 12NC: 9352 699 28 122
- MF EV800/ HAB: 12NC: 9352 699 27 122
- standard lead time (SLT) 7 weeks
- pricing according to latest sent out price list