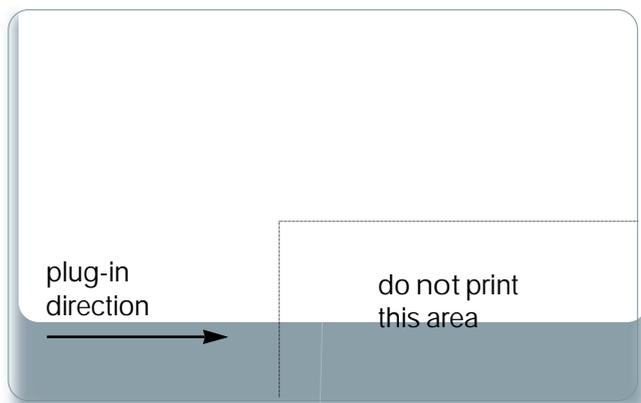# infrared card

plug-in direction

do not print this area

infrared card - front card side

Utilization

This card type used as „safety key" handles, among other tasks, access to certain defined areas or rooms as well as specified data access. It also covers the complete range of company data storage and induces a lot of companies to use this card type as employee ID card.

Possibilities of use

Wherever it is inevitable to prove identity or access authorization, this card type, if handled and stored correctly, grants reliable operation. The infrared card makes available utmost safety for both, card issuers and card users.

Design and print

According to your specifications we design and manufacture your id card. It is possible to print the id card, front and reverse side applying offset and/or silk screen printing methods either monochromely or multi-coloured on the respective surfaces. Offset margin printing is not possible.

Refining

Personalizing data identification (data and photo) is effected conventionally as well as digitally on location or at the service center (on-line service is offered, too).

Combinations with different coding types (for example barcode, magnetic code) are possible, however, should be confirmed in advance by pre-coding attempts.

Coding specification

The reading process is effected by the recognition of bright-dark deviations in a specified pattern area by means of an infrared light source. Memory capacity varies, according to reader unit manufacturer, between 32 and 48 Bit.
ID card reading is effected via a plug-in reader unit and the holding bracket remains on the card while reading.

Special features

The coding is static, i.e., the code on the id card cannot be altered.
The reading process is sensitive for stained cards (oil, fat stains, dirt, colour etc.) which effect the bright-dark reflection. We therefore highly recommend to use card holders for the ID card manufactured in this process. Special attention sould be paid to the limited design of the printed photo on the ID card. The line pattern method (Guillochen) and other safety printing methods cannot be effected on the complete card surface since it is not possible to process printing colour in the coding area. This would absorb the infrared light on the bright-dark recognition area (for example, black, brown, green and blue).

Technical data

material:	full plastic,
format:	85,5 x 54 x 0,76 mm
coding type:	infrared-coding, according to memory capacity for example 32 and 48 Bit