

Cards specificities

Cards dimensions Position of External elements

DIMENSIONS OF ABS and PVC CARDS

Final card dimensions 54 x 85.6 mm - See diagram 1

Minimum printing surface
(Including cropped edges) 60 x 90 mm - See diagram 1

POSITION OF ATTACHED ELEMENTS

Insertion ARROW
(positioned by our printing facilities) Do not include in your layout

BULL Licenses
(positioned by our printing facilities) Standard: in the lower Right-hand corner



Ink Jet Standard: Black / Horizontal to be implemented in an area with a light background

Position your Ink Jet at least 4 mm from edges of the card / module / signature panel / scratch panel and from any important text.

Signature PANEL / SCRATCH PANEL See diagram 2

Position your signature panel / scratch panel at least 2 mm from any important text or graphical element.

never behind the chip

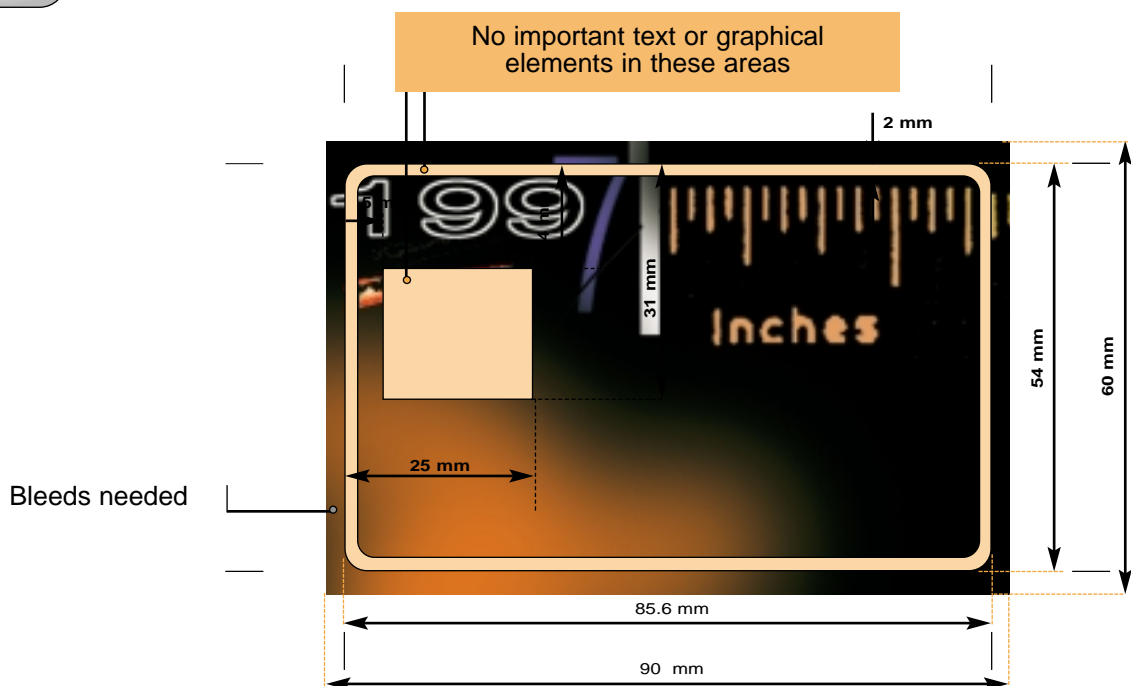
Plug-In / GSM cards See diagram 3

Do not place any important elements less than 1mm from the cut-out area of the plug (Front and Back)

Graphical personalization Define the size, position and color according to the printed graphical design

Bar code Reserve a blank area to print the bar code - See diagram 3
Position graphical personalization at least 5 mm from the edge of the card and module.

diagram 1 Smart Card Dimensions (Front side)



Cards specificities

More information...

ABS

Plastic used to manufacture Gemplus cards.

Bar Code

Personalized serial number, printed using thermal transfer.

GSM

Global System for Mobile communications, European digital telephone standard.

INK JET

The Ink jet process implements specific information on the printed card under the supervision of a computer control system.

ISO

International Standard Organisation.

BULL Licenses

The Bull logotype is included on all cards that use card-based microprocessors.

Signature Panel

The signature panel is a special area (see diagram 2); it can be transparent, blank, formed of a frame or a color / B&W pattern.

Scratch Panel

The scratch panel is a special area permitting to hide informations. (see diagram 2)

Graphical Personalization

Implementation of personalized graphical information on the card (serial number, cardholder name, Logotype, etc.).

Plug-In

The section that can be separated from the card and inserted into mobile phones that use plug-in SIM-cards (see diagram 3).

diagram 2

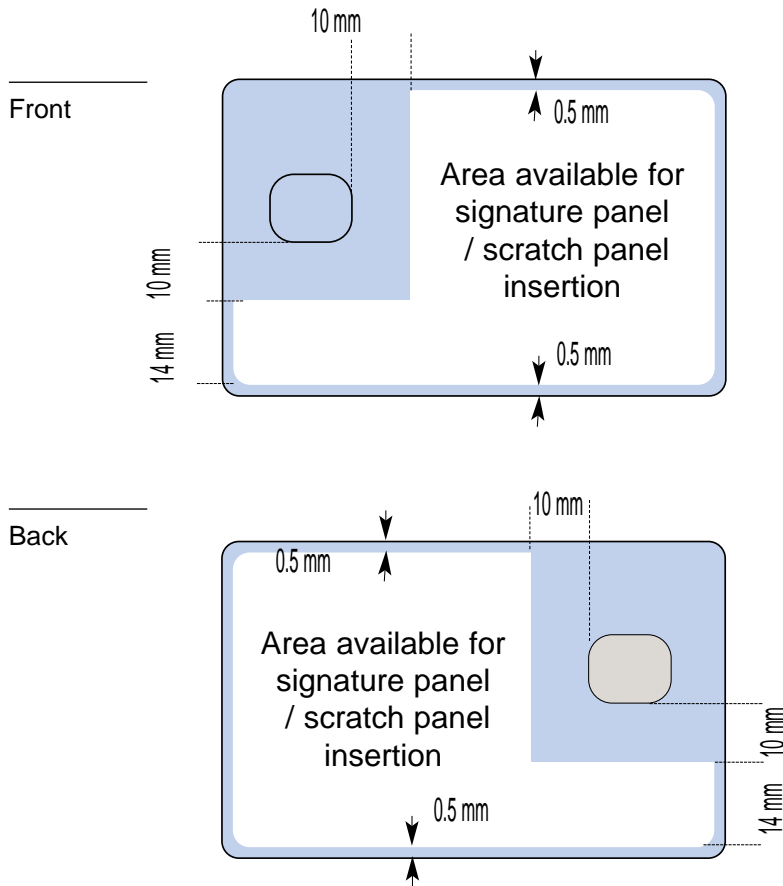
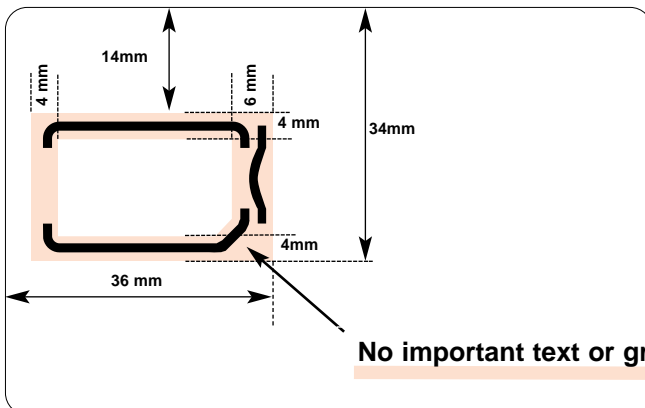


diagram 3

Front /GSM Cards with Plug-In zone



Back /GSM Cards with Plug-In zone

