

# Barcoded Card Specifications

Rev 2.11 9 September 2009

# CORE

The purpose of this document is to provide the client and their selected printer with accurate printing instructions for the barcoded play cards to be used with CORE Cashless Inc.'s payment, access control, and loyalty systems and systems previously sold by Applied Resources, Inc. and ARI System's sold by Ideal Software Systems.

Contact CORE for...

- any questions regarding this layout specification
- array data field source examples in digital.
- card files for testing.
- Approval of sample cards.

## CORE Cashless Inc.

attention: Evaluation & Compliance

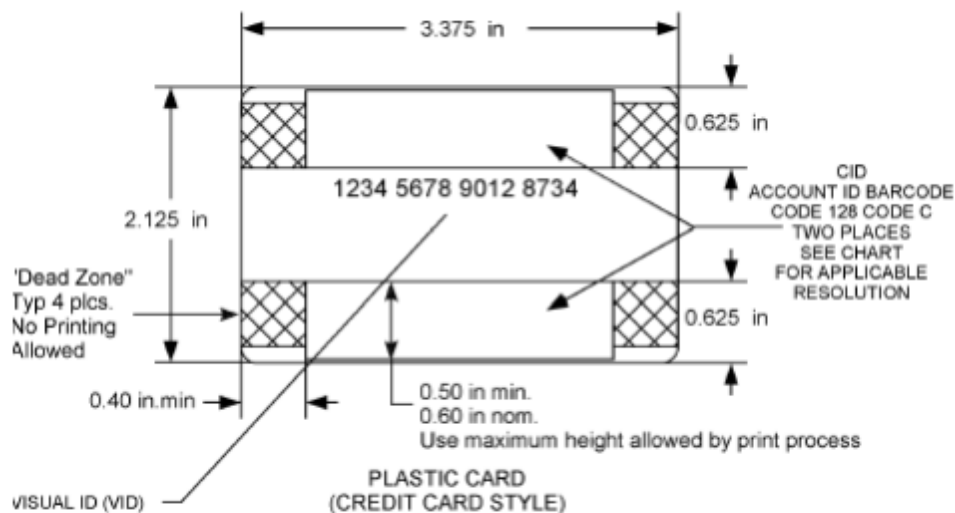
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## Play Card Layout Barcode Positioning – Double Barcode



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## Resolution table

Consult the following table to determine the resolution to use in laying out the cards for your system. The bar code resolution is expressed in mils: the width of the narrowest bar element in thousandths of an inch (number of print dots at the specified dpi resolution).

Number of Data Characters	Card Width			
	3.375 inches		3.500 inches	
	200 DPI	300 DPI	200 DPI	300 DPI
16	20 (4)	20 (6)	20 (4)	20 (6)
18	15 (3)	16.7 (5)	20 (4)	20 (6)
20	15 (3)	16.7 (5)	15 (3)	16.7 (5)
22	15 (3)	16.7 (5)	15 (3)	16.7 (5)
24	15 (3)	13.3 (4)	15 (3)	13.3 (4)

## Process

**CORE** prepares a card file, of any number of cards, upon direction from our clients. The file size may be any number of cards – but for security and control reasons we only issue numbers that will be printed at one time (in a single production run).

The card outer size is generally called a “CR-80”, as defined in the credit card industry. Thickness for automatically-dispensed cards (kiosk dispensed) is a minimum of .024 inch to a max of .030 inch. For thin cards that are handed out at POS, a nominal thickness is .010 inch.

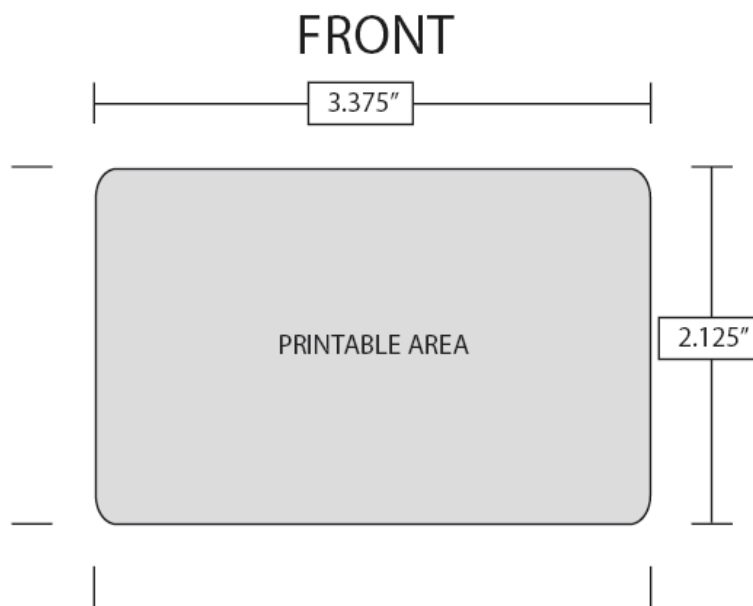
The file preparation includes the creation of the paired barcode file consisting of:

- Visual ID: Typically a 15 digit number in the format of 1234 1234 1234567 where the last 7 digits are sequential numbers for visual control. The printer may NOT add any numbering or indexing to the cards.
- Barcode ID: (the CID) is typically a 16 digit number and is randomly created and linked in the database to the Visual ID (VID). The 16 digit CID represents a number like this: 1,234,567,890,123,456. So the odds of fraudulently producing a duplicate number are astronomical.

Some of the legacy systems still utilize an older standard that implements a 24 digit CID and a 16 digit VID. The VID is typically printed in groups of four digits, 1234 5678 9012 3456. The VID in this format does not include a sequential number field.

The barcode format is Code 128 Type C, a high readability and moderate density standard. We require that all cards printed must pass ANSI X3.182-1990 Bar Code Print Quality Guidelines with a grade of "C" or better. Copies of the verification results must be provided with sample cards sent for approval. Approval samples and verification results should be sent to the address listed above.

## Artwork Layout for Front of Card



**NOTE:** There should be a 1/16" border around entire card free of any graphics or text. Background color is acceptable in the border area.