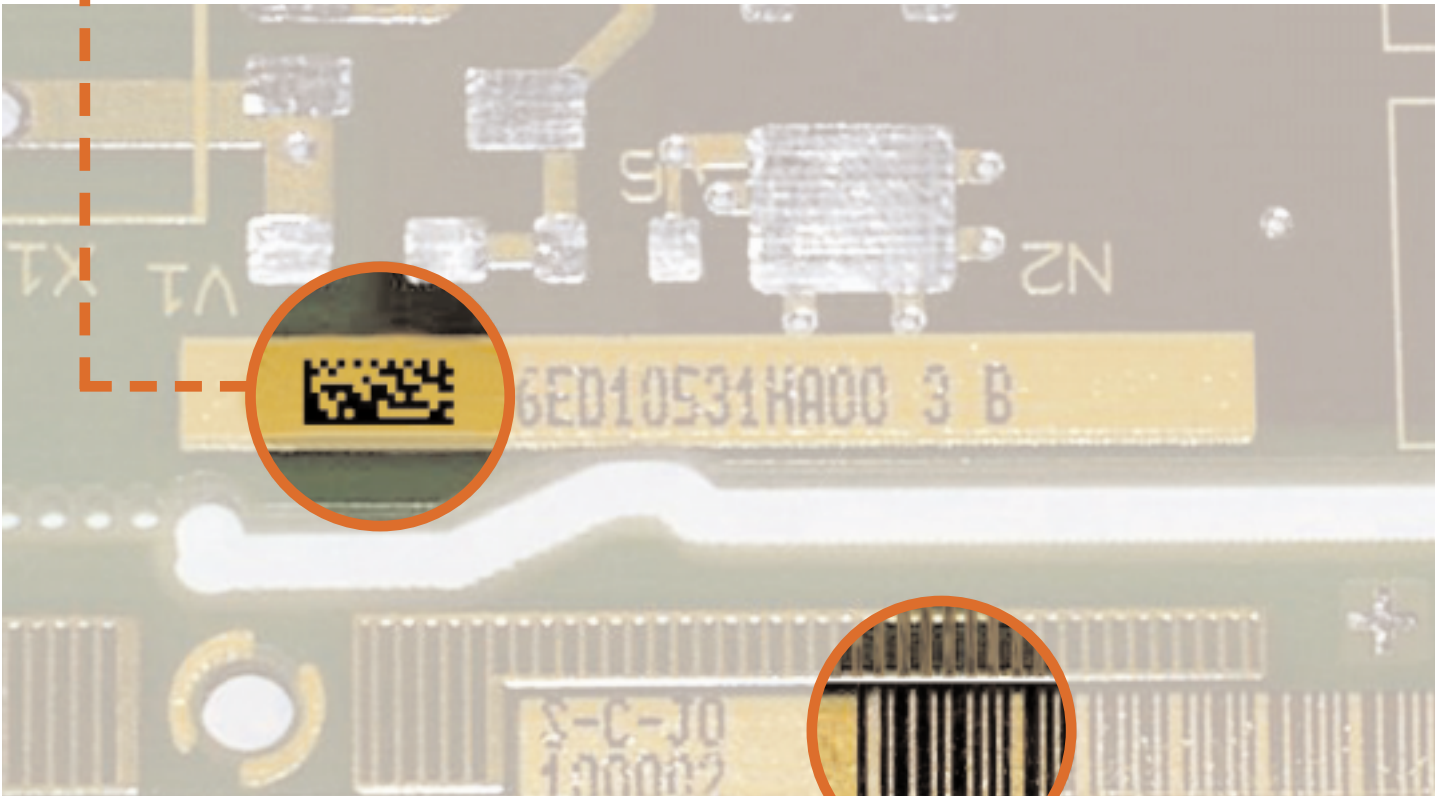




2-D Code



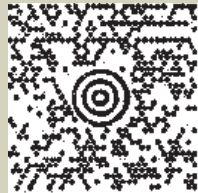
Automatic Data Capture (ADC) 2-D Code Applications



Bar Code

Technical Data of selected Code Types

This table shows the essential technical data of the relevant 2-D codes.

	PDF 417	DataMatrix	MaxiCode	
General	Specification / Data Item	ISO/IEC 15438 (in preparation) EN 12925	ISO/IEC 16022 (in preparation)	ISO/IEC 16023 (in preparation)
	Symbol Form	rectangular (adjustable)	24x square + 6x rectangular	square
	Min./Max. Symbol Size	6x86 ... 30x580 (Modules)	10x10..144x144 (Cells) 8x18...16x48 (Cells)	30x33 (Cells)
	Max. No. of Characters (num./ alphanum./8-Bit)	2710 / 1850 / 1108 (security level sl = 0)	3111 / 2335 / 1556	138 / 93 / _
	Error Correction	according to Red-Solomon (adjustable in 9 stages)	according to Red-Solomon (automatic)	according to Red-Solomon (automatic)
Concrete Example	Example (M1:1)			
	Module / Cell Size	x = 0,25 mm; y = 0,75 mm	x = y = 0,25 mm	x = 0,83 mm; y = 1,00 mm
	Error Correction	sl = 3	automatic	automatic
	Number of Characters	70 (alphanum.)	70 (alphanum.)	87 (alphanum.)
	Symbol Area (not incl. dead zone)	39,12 x 13,5 = 528,12 mm ²	8,1 x 8,1 = 65,6 mm ²	25,4 x 25,4 = 645,2 mm ²

References

EDIFICE Guidelines:

EDIFICE Product Package Label implementation guideline
EDIFICE Shipment Label implementation guideline
EDIFICE License Plate implementation guideline

EDIFICE Brochures:

EDIFICE Concept for bar code, 2-D symbols and EDI in logistic processes

International standards:

ANSI MH 10.8.2	Data Application Identifier Standard
ISO/IEC 15417	Bar Code Symbology Specification - code 128
ISO/IEC 16388	Bar Code Symbology Specification - code 39
ISO/IEC 15418	Information Technology - Automatic Identification and Data Capture Techniques - International Bar Code Symbology - Data Application Identifiers
ISO/IEC 15434	Information Technology - Automatic Identification and Data Capture Techniques - Transfer Data Syntax for High Capacity ADC Media
ISO/IEC 15438	Information Technology - Automatic Identification and Data Capture Techniques - Symbology Specification - PDF 417
ISO/IEC 16022	Information Technology - Automatic Identification and Data Capture Techniques - Symbology Specification - DataMatrix
ISO 3166	Country Codes
UN/ECE	Recommendation No. 20

For information about the EDIFICE guidelines contact the EDIFICE secretariat.

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