

**NAME**

Locale::RecodeData::IBM038 – Conversion routines for IBM038

**SYNOPSIS**

This module is internal to libintl. Do not use directly!

**DESCRIPTION**

This module is generated and contains the conversion tables and routines for IBM038.

**COMMENTS**

The following comments have been extracted from the original charmap:

```
version: 1.0
source: IBM 3174 Character Set Ref, GA27-3831-02, March 1990
alias EBCDIC-INT
alias CP038
```

Please note that aliases listed above are not necessarily valid!

**CHARACTER TABLE**

The following table is sorted in the same order as the original charmap. All character codes are in hexadecimal. Please read 'ISO-10646' as 'ISO-10646-UCS4'.

Local	ISO-10646	Description
00	00000000	NULL (NUL)
01	00000001	START OF HEADING (SOH)
02	00000002	START OF TEXT (STX)
03	00000003	END OF TEXT (ETX)
04	0000009C	STRING TERMINATOR (ST)
05	00000009	CHARACTER TABULATION (HT)
06	00000086	START OF SELECTED AREA (SSA)
07	0000007F	DELETE (DEL)
08	00000097	END OF GUARDED AREA (EPA)
09	0000008D	REVERSE LINE FEED (RI)
0A	0000008E	SINGLE-SHIFT TWO (SS2)
0B	0000000B	LINE TABULATION (VT)
0C	0000000C	FORM FEED (FF)
0D	0000000D	CARRIAGE RETURN (CR)
0E	0000000E	SHIFT OUT (SO)
0F	0000000F	SHIFT IN (SI)
10	00000010	DATALINK ESCAPE (DLE)
11	00000011	DEVICE CONTROL ONE (DC1)
12	00000012	DEVICE CONTROL TWO (DC2)
13	00000013	DEVICE CONTROL THREE (DC3)
14	0000009D	OPERATING SYSTEM COMMAND (OSC)
15	00000085	NEXT LINE (NEL)
16	00000008	BACKSPACE (BS)
17	00000087	END OF SELECTED AREA (ESA)
18	00000018	CANCEL (CAN)
19	00000019	END OF MEDIUM (EM)
1A	00000092	PRIVATE USE TWO (PU2)
1B	0000008F	SINGLE-SHIFT THREE (SS3)
1C	0000001C	FILE SEPARATOR (IS4)
1D	0000001D	GROUP SEPARATOR (IS3)
1E	0000001E	RECORD SEPARATOR (IS2)
1F	0000001F	UNIT SEPARATOR (IS1)
20	00000080	PADDING CHARACTER (PAD)
21	00000081	HIGH OCTET PRESET (HOP)

22	00000082	BREAK PERMITTED HERE (BPH)
23	00000083	NO BREAK HERE (NBH)
24	00000084	INDEX (IND)
25	0000000A	LINE FEED (LF)
26	00000017	END OF TRANSMISSION BLOCK (ETB)
27	0000001B	ESCAPE (ESC)
28	00000088	CHARACTER TABULATION SET (HTS)
29	00000089	CHARACTER TABULATION WITH JUSTIFICATION (HTJ)
2A	0000008A	LINE TABULATION SET (VTS)
2B	0000008B	PARTIAL LINE FORWARD (PLD)
2C	0000008C	PARTIAL LINE BACKWARD (PLU)
2D	00000005	ENQUIRY (ENQ)
2E	00000006	ACKNOWLEDGE (ACK)
2F	00000007	BELL (BEL)
30	00000090	DEVICE CONTROL STRING (DCS)
31	00000091	PRIVATE USE ONE (PU1)
32	00000016	SYNCHRONOUS IDLE (SYN)
33	00000093	SET TRANSMIT STATE (STS)
34	00000094	CANCEL CHARACTER (CCH)
35	00000095	MESSAGE WAITING (MW)
36	00000096	START OF GUARDED AREA (SPA)
37	00000004	END OF TRANSMISSION (EOT)
38	00000098	START OF STRING (SOS)
39	00000099	SINGLE GRAPHIC CHARACTER INTRODUCER (SGCI)
3A	0000009A	SINGLE CHARACTER INTRODUCER (SCI)
3B	0000009B	CONTROL SEQUENCE INTRODUCER (CSI)
3C	00000014	DEVICE CONTROL FOUR (DC4)
3D	00000015	NEGATIVE ACKNOWLEDGE (NAK)
3E	0000009E	PRIVACY MESSAGE (PM)
3F	0000001A	SUBSTITUTE (SUB)
40	00000020	SPACE
4A	0000005B	LEFT SQUARE BRACKET
4B	0000002E	FULL STOP
4C	0000003C	LESS-THAN SIGN
4D	00000028	LEFT PARENTHESIS
4E	0000002B	PLUS SIGN
4F	00000021	EXCLAMATION MARK
50	00000026	AMPERSAND
5A	0000005D	RIGHT SQUARE BRACKET
5B	00000024	DOLLAR SIGN
5C	0000002A	ASTERISK
5D	00000029	RIGHT PARENTHESIS
5E	0000003B	SEMICOLON
5F	0000005E	CIRCUMFLEX ACCENT
60	0000002D	HYPHEN-MINUS
61	0000002F	SOLIDUS
6A	000000A6	BROKEN BAR
6B	0000002C	COMMA
6C	00000025	PERCENT SIGN
6D	0000005F	LOW LINE
6E	0000003E	GREATER-THAN SIGN
6F	0000003F	QUESTION MARK
79	00000060	GRAVE ACCENT
7A	0000003A	COLON

7B	00000023	NUMBER SIGN
7C	00000040	COMMERCIAL AT
7D	00000027	APOSTROPHE
7E	0000003D	EQUALS SIGN
7F	00000022	QUOTATION MARK
81	00000061	LATIN SMALL LETTER A
82	00000062	LATIN SMALL LETTER B
83	00000063	LATIN SMALL LETTER C
84	00000064	LATIN SMALL LETTER D
85	00000065	LATIN SMALL LETTER E
86	00000066	LATIN SMALL LETTER F
87	00000067	LATIN SMALL LETTER G
88	00000068	LATIN SMALL LETTER H
89	00000069	LATIN SMALL LETTER I
91	0000006A	LATIN SMALL LETTER J
92	0000006B	LATIN SMALL LETTER K
93	0000006C	LATIN SMALL LETTER L
94	0000006D	LATIN SMALL LETTER M
95	0000006E	LATIN SMALL LETTER N
96	0000006F	LATIN SMALL LETTER O
97	00000070	LATIN SMALL LETTER P
98	00000071	LATIN SMALL LETTER Q
99	00000072	LATIN SMALL LETTER R
A1	0000007E	TILDE
A2	00000073	LATIN SMALL LETTER S
A3	00000074	LATIN SMALL LETTER T
A4	00000075	LATIN SMALL LETTER U
A5	00000076	LATIN SMALL LETTER V
A6	00000077	LATIN SMALL LETTER W
A7	00000078	LATIN SMALL LETTER X
A8	00000079	LATIN SMALL LETTER Y
A9	0000007A	LATIN SMALL LETTER Z
C0	0000007B	LEFT CURLY BRACKET
C1	00000041	LATIN CAPITAL LETTER A
C2	00000042	LATIN CAPITAL LETTER B
C3	00000043	LATIN CAPITAL LETTER C
C4	00000044	LATIN CAPITAL LETTER D
C5	00000045	LATIN CAPITAL LETTER E
C6	00000046	LATIN CAPITAL LETTER F
C7	00000047	LATIN CAPITAL LETTER G
C8	00000048	LATIN CAPITAL LETTER H
C9	00000049	LATIN CAPITAL LETTER I
D0	0000007D	RIGHT CURLY BRACKET
D1	0000004A	LATIN CAPITAL LETTER J
D2	0000004B	LATIN CAPITAL LETTER K
D3	0000004C	LATIN CAPITAL LETTER L
D4	0000004D	LATIN CAPITAL LETTER M
D5	0000004E	LATIN CAPITAL LETTER N
D6	0000004F	LATIN CAPITAL LETTER O
D7	00000050	LATIN CAPITAL LETTER P
D8	00000051	LATIN CAPITAL LETTER Q
D9	00000052	LATIN CAPITAL LETTER R
E0	0000005C	REVERSE SOLIDUS
E2	00000053	LATIN CAPITAL LETTER S

E3		00000054		LATIN CAPITAL LETTER T
E4		00000055		LATIN CAPITAL LETTER U
E5		00000056		LATIN CAPITAL LETTER V
E6		00000057		LATIN CAPITAL LETTER W
E7		00000058		LATIN CAPITAL LETTER X
E8		00000059		LATIN CAPITAL LETTER Y
E9		0000005A		LATIN CAPITAL LETTER Z
F0		00000030		DIGIT ZERO
F1		00000031		DIGIT ONE
F2		00000032		DIGIT TWO
F3		00000033		DIGIT THREE
F4		00000034		DIGIT FOUR
F5		00000035		DIGIT FIVE
F6		00000036		DIGIT SIX
F7		00000037		DIGIT SEVEN
F8		00000038		DIGIT EIGHT
F9		00000039		DIGIT NINE
FF		0000009F		APPLICATION PROGRAM COMMAND (APC)

## AUTHOR

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## SEE ALSO

**Locale::RecodeData** (3), **Locale::Recode** (3), **perl** (1)