

Table I: Correspondence between ASCII Graphics and EBCDIC Graphics

[ASCII code values are in octal,  
EBCDIC code values are in hexadecimal]

ASCII Code value	ASCII graphic meaning	Corresponding EBCDIC meaning	EBCDIC Code Value	EBCDIC Card Punch Code	Comments
* 041	!	!	5A	11-8-2	See note 1
042	"	"	7F	8-7	
043	#	#	7B	8-3	
044	\$	\$	5B	11-8-3	
045	%	%	6C	0-8-4	
046	&	&	50	12	
047	'	'	7D	8-5	[Maps ASCII right accent into EBCDIC apostrophe (Suggested by IBM, June, 1966 ACM)]
050	(	(	4D	12-8-5	
051	)	)	5D	11-8-5	
052	*	*	5C	11-8-4	
053	+	+	4E	12-8-6	
054	,	,	6B	0-8-3	
055	-	-	60	11	

\* <sup>ASCII</sup> Code values 000-040 are assigned to control characters. Table II gives a correspondence for control characters.

ASCII Code Value	ASCII Control or Graphic Meaning	Corresponding EBCDIC Meaning	EBCDIC Code Value	Card <sup>V</sup> Code Punch
056	.	.	4B	12-8-3
057	/	/	61	0-1
060	0	0	F0	0
061	1	1	F1	1
062	2	2	F2	2
063	3	3	F3	3
064	4	4	F4	4
065	5	5	F5	5
066	6	6	F6	6
067	7	7	F7	7
070	8	8	F8	8
071	9	9	F9	9
072	:	:	7A	8-2
073	;	;	5E	11-8-6
074	<	<	4C	12-8-4
075	=	=	7E	8-6
076	>	>	6E	0-8-6
077	?	?	6F	0-8-7
100	@	@	7C	8-4
101	A	A	C1	12-1
102	B	B	C2	12-2
103	C	C	C3	12-3
104	D	D	C4	12-4

Comments

ASCII Code Value	ASCII Control alphabetic Meaning	Corresponding EBCDIC Meaning	EBCDIC Code Value	Card <sup>v</sup> Code Punch	Comments
105	E	E	C5	12-5	
106	F	F	C6	12-6	
107	G	G	C7	12-7	
110	H	H	C8	12-8	
111	I	I	C9	12-9	
112	J	J	D1	11-1	
113	K	K	D2	11-2	
114	L	L	D3	11-3	
115	M	M	D4	11-4	
116	N	N	D5	11-5	
117	O	O	D6	11-6	
120	P	P	D7	11-7	
121	Q	Q	D8	11-8	
122	R	R	D9	11-9	
123	S	S	E2	0-2	
124	T	T	E3	0-3	
125	U	U	E4	0-4	
126	V	V	E5	0-5	
127	W	W	E6	0-6	
130	X	X	E7	0-7	
131	Y	Y	E8	0-8	
132	Z	Z	E9	0-9	
133	[	none	49	12-8-1	IBM Suggestion, June 66 ACM

ASCII Code Value	ASCII Control alphabetic Meaning	Corresponding EBCDIC Meaning	EBCDIC Code Value	Card <sup>v</sup> Code Punch	Comments
134	\	¢	4A	12-8-2	{ Implied by IBM proposal, June, 1966 { ACM + pr(1966) ASCII revisions { IBM Suggestion, { June 66 ACM { Maps ASCII circumflex onto EBCDIC { "negative" Suggestion in S/360 Manual
135	] ]	none	79	8-1	
136	^	⌋	5F	11-8-7	
137	—	—	6D	0-8-5	
140	·	none	69	0-8-1	{ IBM Suggestion, { June 66 ACM
141	a	a	81	12-0-1	
142	b	b	82	12-0-2	
143	c	c	83	12-0-3	
144	d	d	84	12-0-4	
145	e	e	85	12-0-5	
146	f	f	86	12-0-6	
147	g	g	87	12-0-7	
150	h	h	88	12-0-8	
151	i	i	89	12-0-9	
152	j	j	91	12-11-1	
153	k	k	92	12-11-2	
154	l	l	93	12-11-3	
155	m	m	94	12-11-4	
156	n	n	95	12-11-5	
157	o	o	96	12-11-6	
160	p	p	97	12-11-7	
161	q	q	98	12-11-8	
162	r	r	99	12-11-9	

ASCII Code Value	ASCII Control or Graphic Meaning	Corresponding EBCDIC Meaning	EBCDIC Code Value	Card <sup>v</sup> Code Punch	Comments
163	S	S	A2	11-0-2	
164	t	t	A3	11-0-3	
165	u	u	A4	11-0-4	
166	v	v	A5	11-0-5	
167	w	w	A6	11-0-6	
170	x	x	A7	11-0-7	
171	y	y	A8	11-0-8	
172	z	z	A9	11-0-9	
173	{	none	D0	11-0	{ IBM Suggestion, June, 1966 ACM
174			4F	12-8-7	{ See note 1
175	}	none	C0	12-0	{ IBM Suggestion, June, 1966 ACM
176	~	none	E0	0-9-2	See note 1 and note 2