

B 6700 SYSTEM QUICK-REFERENCE HANDBOOK

DATA REPRESENTATION EBCDIC CODES

<u>EBCDIC GRAPHIC</u>	<u>EBCDIC CODE</u>	<u>EBCDIC CARD PUNCH</u>	<u>ASCII CODE</u>	<u>BCL-1 CODE</u>	<u>BCL-X CODE</u>	<u>BCL CARD PUNCH</u>	<u>BCL GRAPHIC</u>
NUL	00	12-0-1-8-9	00				
SOH	01	12-1-9	01				
STX	02	12-2-9	02				
ETX	03	12-3-9	03				
HT	04	12-4-9	9C				
	05	12-5-9	09				
	06	12-6-9	86				
DEL	07	12-7-9	7E				
	08	12-8-9	97				
	09	12-1-8-9	8D				
	0A	12-2-8-9	8E				
VT	0B	12-3-8-9	0B				
FF	0C	12-4-8-9	0C				
CR	0D	12-5-8-9	0D				
S0	0E	12-6-8-9	0E				
S1	0F	12-7-8-9	0F				
DLE	10	12-11-1-8-9	10				
DC1	11	11-1-9	11				
DC2	12	11-2-9	12				
DC3	13	11-3-9	13				
NL	14	11-4-9	97				
	15	11-5-9	85				
BS	16	11-6-9	08				
	17	11-7-9	87				

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EBCDIC GRAPHIC	EBCDIC CODE	EBCDIC CARD PUNCH	ASCII CODE	BCL-I CODE	BCL-X CODE	BCL CARD PUNCH	BCL GRAPHIC
CAN	18	11-8-9	18				
EM	19	11-1-8-9	19				
	1A	11-2-8-9	92				
	1B	11-3-8-9	8F				
FS	1C	11-4-8-9	1C				
GS	1D	11-5-8-9	1D				
RS	1E	11-6-8-9	1E				
US	1F	11-7-8-9	1F				
	20	11-0-1-8-9	80				
	21	0-1-9	81				
	22	0-2-9	82				
	23	0-3-9	83				
	24	0-4-9	84				
LF	25	0-5-9	0A				
ETB	26	0-6-9	17				
ESC	27	0-7-9	1B				
	28	0-8-9	88				
	29	0-1-8-9	89				
	2A	0-2-8-9	8A				
	2B	0-3-8-9	8B				
	2C	0-4-8-9	8C				
ENQ	2D	0-5-8-9	05				
ACK	2E	0-6-8-9	06				
BEL	2F	0-7-8-9	07				

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	30	12-11-0-1-8-9	90				
	31	1-9	91				
SYN	32	2-9	16				
	33	3-9	93				
	34	4-9	9C				
	35	5-9	95				
	36	6-9	96				
EOT	37	7-9	04				
	38	8-9	98				
	39	1-8-9	99				
	3A	2-8-9	9A				
	3B	3-8-9	9B				
DC4	3C	4-8-9	14				
NAK	3D	5-8-9	15				
	3E	6-8-9	9E				
SUB	3F	7-8-9	1A				
SP	40	(BLANK)	20	30	10	(BLANK)	SP
	41	12-0-1-9	A0				
	42	12-0-2-9	A1				
	43	12-0-3-9	A2				
	44	12-0-4-9	A3				
	45	12-0-5-9	A4				
	46	12-0-6-9	A5				
	47	12-0-7-9	A6				

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EBCDIC GRAPHIC	EBCDIC CODE	EBCDIC CARD PUNCH	ASCII CODE	BCL-I CODE	BCL-X CODE	BCL CARD PUNCH	BCL GRAPHIC
	48	12-0-8-9	A7				
	49	12-1-8	A8				
[	4A	12-2-8	5B	1B	3C	12-4-8	[
.	4B	12-3-8	2E	1A	3B	12-3-8	.
<	4C	12-4-8	3C	1E	3E	12-6-8	<
(	4D	12-5-8	28	1D	3D	12-5-8	(
+	4E	12-6-8	2B				
|	4F	12-7-8	21				|
&	50	12	26	1C	30	12	&
	51	12-11-1-9	A9				
	52	12-11-2-9	AA				
	53	12-11-3-9	AB				
	54	12-11-4-9	AC				
	55	12-11-5-9	AD				
	56	12-11-6-9	AE				
	57	12-11-7-9	AF				
	58	12-11-8-9	B0				
	59	11-1-8	B1				
]	5A	11-2-8	5D	3E	1E	0-6-8]
\$	5B	11-3-8	24	2A	2B	11-3-8	\$
*	5C	11-4-8	2A	2B	2C	11-4-8	*
)	5D	11-5-8	29	2D	2D	11-5-8)
:	5E	11-6-8	3B	2E	2E	11-6-8	:
^	5F	11-7-8	5E	2F	2F	11-7-8	^

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<u>EBCDIC GRAPHIC</u>	<u>EBCDIC CODE</u>	<u>EBCDIC CARD PUNCH</u>	<u>ASCII CODE</u>	<u>BCL-1 CODE</u>	<u>BCL-X CODE</u>	<u>BCL CARD PUNCH</u>	<u>BCL GRAPHIC</u>
-	60	11	2D	2C	20	11	-
/	61	0-1	2F	31	11	0-1	/
	62	11-0-2-9	B2				
	63	11-0-3-9	B3				
	64	11-0-4-9	B4				
	65	11-0-5-9	B5				
	66	11-0-6-9	B6				
	67	11-0-7-9	B7				
	68	11-0-8-9	B8				
	69	0-1-8	B9				
	6A	12-11	7C				
,	6B	0-3-8	2C	3A	1B	0-3-8	,
%	6C	0-4-8	25	3B	1C	0-4-8	%
(US)(-)	6D	0-5-8	5F	3C	1A	0-2-8	#
>	6E	0-6-8	3E	0E	0E	6-8	>
?	6F	0-7-8	3F	0C	00	(ANY ILLEGAL PUNCH)	?
	70	12-11-0	BA				
	71	12-11-0-1-9	BB				
	72	12-11-0-2-9	BC				
	73	12-11-0-3-9	BD				
	74	12-11-0-4-9	BE				
	75	12-11-0-5-9	BF				
	76	12-11-0-6-9	C0				
	77	12-11-0-7-9	C1				

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EBCDIC GRAPHIC	EBCDIC CODE	EBCDIC CARD PUNCH	ASCII CODE	BCL-I CODE	BCL-X CODE	BCL CARD PUNCH	BCL GRAPHIC
:	78	12-11-0-8-9	C2				
#	79	1-8	60			58	:
@	7A	2-8	3A	0D	0D	58	:
Ⓢ	7B	3-8	23	0A	0B	3-8	#
Ⓢ	7C	4-8	40	0B	0C	4-8	@
Ⓢ	7D	5-8	27	0F	0F	7-8	∧
=	7E	6-8	3D	3D	1D	0-5-8	=
Ⓢ	7F	7-8	22	3F	1F	0-7-8	Ⓢ
a	80	12-0-1-8	C3				
b	81	12-0-1	61				
c	82	12-0-2	62				
d	83	12-0-3	63				
e	84	12-0-4	64				
f	85	12-0-5	65				
g	86	12-0-6	66				
h	87	12-0-7	67				
i	88	12-0-8	68				
j	89	12-0-9	69				
k	90	12-11-1-8	CA				
l	91	12-11-1	6A				
m	92	12-11-2	6B				
n	93	12-11-3	6C				
	94	12-11-4	6D				
	95	12-11-5	6E				

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<u>EBCDIC GRAPHIC</u>	<u>EBCDIC CODE</u>	<u>EBCDIC CARD PUNCH</u>	<u>ASCII CODE</u>	<u>BCL-I CODE</u>	<u>BCL-X CODE</u>	<u>BCL CARD PUNCH</u>	<u>BCL GRAPHIC</u>
o	96	12-11-6	6F				
p	97	12-11-7	70				
q	98	12-11-8	71				
r	99	12-11-9	72				
<hr/>							
	A0	11-0-1-8	D1				
	A1	11-0-1	7E				
	A2	11-0-2	73				
	A3	11-0-3	74				
<hr/>							
	A4	11-0-4	75				
	A5	11-0-5	76				
	A6	11-0-6	77				
	A7	11-0-7	78				
<hr/>							
y	A8	11-0-8	79				
z	A9	11-0-9	7A				
	AA		D2				
	AB		D3				
<hr/>							
	AC		D4				
	AD		D5				
	AE		D6				
	AF		D7				

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<u>EBCDIC GRAPHIC</u>	<u>EBCDIC CODE</u>	<u>EBCDIC CARD PUNCH</u>	<u>ASCII CODE</u>	<u>BCL-1 CODE</u>	<u>BCL-X CODE</u>	<u>BCL CARD PUNCH</u>	<u>BCL GRAPHIC</u>
	B0		D8				
	B1		D9				
	B2		DA				
	B3		DB				
	B4		DC				
	B5		DD				
	B6		DE				
	B7		DF				
	B8		E0				
	B9		E1				
	BA		E2				
	BB		E3				
	BC		E4				
	BD		E5				
	BE		E6				
	BF		E7				
	C0	12-0	7B	10	3A	12-0	+
A	C1	12-1	41	11	31	12-1	A
B	C2	12-2	42	12	32	12-2	B
C	C3	12-3	43	13	33	12-3	C

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EBCDIC GRAPHIC	EBCDIC CODE	EBCDIC CARD PUNCH	ASCII CODE	BCL-I CODE	BCL-X CODE	BCL CARD PUNCH	BCL GRAPHIC
D	C4	12-4	44	14	34	12-4	D
E	C5	12-5	45	15	35	12-5	E
F	C6	12-6	46	16	36	12-6	F
G	C7	12-7	47	17	37	12-7	G
H	C8	12-8	48	18	38	12-8	H
I	C9	12-9	49	19	39	12-9	I
	CA		58				
	CB		E9				
	CC		EA				
	CD		EB				
	CE		EC				
	CF		ED				
	D0		7D				
J	D1	11-1	4A	21	21	11-1	J
K	D2	11-2	4B	22	22	11-2	K
L	D3	11-3	4C	23	23	11-3	L
M	D4	11-4	4D	24	24	11-4	M
N	D5	11-5	4E	25	25	11-5	N
O	D6	11-6	4F	26	26	11-6	O
P	D7	11-7	50	27	27	11-7	P

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Q	D8	11-8	51	28	28	11-8	Q
R	D9	11-9	52	29	29	11-9	R
	DA		EE				
	DB		EF				
	DC		F0				
	DD		F1				
	DE		F2				
	DF		F3				
	E0		5C				
	E1		9F				
S	E2	0-2	53	32	12	0-2	S
T	E3	0-3	54	33	13	0-3	T
	E4	0-4	55	34	14	0-4	U
V	E5	0-5	56	35	15	0-5	V
W	E6	0-6	57	36	16	0-6	W
X	E7	0-7	58	37	17	0-7	X
	E8	0-8	59	38	18	0-8	Y
Z	E9	0-9	5A	39	19	0-9	Z
	EA		F4				
	EB		F5				

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EC			F6				
ED			F7				
EE			F8				
EF			F9				
0	F0	0	30	00	0A	0	0
1	F1	1	31	01	01	1	1
2	F2	2	32	02	02	2	2
3	F3	3	33	03	03	3	3
4	F4	4	34	04	04	4	4
5	F5	5	35	05	05	5	5
6	F6	6	36	06	06	6	6
7	F7	7	37	07	07	7	7
8	F8	8	38	08	08	8	8
9	F9	9	39	09	09	9	9
	FA		FA				
	FB		FB				
	FC		FC				
	FD		FD				
	FE		FE				
	FF		FF				

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EBCDIC CHARACTER CARD CODE

1st CHAR 2nd CHAR	0	1	2	3	4	5	6	7
0	NUL 12-0-9-1	DLE 12-11-9-8-1	11-0-9-8-1	12-11-0-9-8-1	SP BLANK	8 12	- 11	12-11-0
1	SOH 12-9-1	DC1 11-9-1	0-9-1	9-1	12-0-9-1	12-11-9-1	0-1	12-11-0-9-1
2	STX 12-9-2	DC2 11-9-2	0-9-2	9-2 SYN	12-0-9-2	12-11-9-1	11-0-9-2	12-11-0-9-2
3	ETX 12-9-3	DC3 11-9-3	0-9-3	9-3	12-0-9-3	12-11-9-3	11-0-9-3	12-11-0-9-3
4	12-9-4	11-9-4	0-9-4	9-4	12-0-9-4	12-11-9-4	11-0-9-4	12-11-0-9-4
5	HT 12-9-5	NL 11-9-5	0-9-5 LF	9-5	12-0-9-5	12-11-9-5	11-0-9-5	12-11-0-9-5
6	12-9-6	BS 11-9-6	0-9-6 ETB	9-6	12-0-9-6	12-11-9-6	11-0-9-6	12-11-0-9-6
7	DEL 12-9-7	11-9-7	0-9-7 ESC	9-7 EOT	12-0-9-7	12-11-9-7	11-0-9-7	12-11-0-9-7
8	12-9-8	11-9-8 CAN	0-9-8	9-8	12-0-9-8	12-11-9-8	11-0-9-8	12-11-0-9-8
9	12-9-8-1	11-9-8-1 EM	0-9-8-1	9-8-1	12-8-1	11-8-1	0-8-1	8-1
A	12-9-8-2	11-9-8-2	0-9-8-2	9-8-2	12-8-2	11-8-2	12-11	8-2
B	VT					\$		#
	12-9-8-3	11-9-8-3	0-9-8-3	9-8-3	12-8-3	11-8-3	0-8-3	8-3
C	FF 12-9-8-4	FS 11-9-8-4	0-9-8-4	9-8-4 DC4	< 12-8-4	* 11-8-4	% 0-8-4	@ 8-4
D	CR 12-9-8-5	GS 11-9-8-5	0-9-8-5 ENQ	9-8-5 NAK	(12-8-5	) 11-8-5	(US) (#) 0-8-5	(≥) 8-5
E	SO 12-9-8-6	RS 11-9-8-6	0-9-8-6 ACK	9-8-6	+ 12-8-6	: 11-8-6	> 0-8-6	" 8-6
F	SI 12-9-8-7	US 11-9-8-7	0-9-8-7 BEL	9-8-7 SUB	!(-) 12-8-7	~(≡) 11-8-7	? 0-8-7	" 8-7