

CODE TABLES

Dec.	Hex	Inst. (RR)	Graphics and Controls			7-Track Tape BCDIC(2)	Card Code EBCDIC	Binary
			BCDIC	EBCDIC(1)	ASCII			
0	00			NUL	NUL	12-0-1-8-9	0000 0000	
1	01			SOH	SOH	12-1-9	0000 0001	
2	02			STX	STX	12-2-9	0000 0010	
3	03			ETX	ETX	12-3-9	0000 0011	
4	04	SPM		SEL	EOT	12-4-9	0000 0100	
5	05	BALR		HT	ENQ	12-5-9	0000 0101	
6	06	BCTR		RNL	ACK	12-6-9	0000 0110	
7	07	BCR		DEL	BEL	12-7-9	0000 0111	
8	08	SSK		GE	BS	12-8-9	0000 1000	
9	09	ISK		SPS	HT	12-1-8-9	0000 1001	
10	0A	SVC		RPT	LF	12-2-8-9	0000 1010	
11	0B			VT	VT	12-3-8-9	0000 1011	
12	0C			FF	FF	12-4-8-9	0000 1100	
13	0D	BASR		CR	CR	12-5-8-9	0000 1101	
14	0E	MVCL		SO	SO	12-6-8-9	0000 1110	
15	0F	CLCL		SI	SI	12-7-8-9	0000 1111	
16	10	LPR		DLE	DLE	12-11-1-8-9	0001 0000	
17	11	LNR		DC1	DC1	11-1-9	0001 0001	
18	12	LTR		DC2	DC2	11-2-9	0001 0010	
19	13	LCR		DC3	DC3	11-3-9	0001 0011	
20	14	NR		RES/ENP	DC4	11-4-9	0001 0100	
21	15	CLR		NL	NAK	11-5-9	0001 0101	
22	16	OR		BS	SYN	11-6-9	0001 0110	
23	17	XR		POC	ETB	11-7-9	0001 0111	
24	18	LR		CAN	CAN	11-8-9	0001 1000	
25	19	CR		EM	EM	11-1-8-9	0001 1001	
26	1A	AR		UBS	SUB	11-2-8-9	0001 1010	
27	1B	SR		CU1	ESC	11-3-8-9	0001 1011	
28	1C	MR		IFS	FS	11-4-8-9	0001 1100	
29	1D	DR		IGS	GS	11-5-8-9	0001 1101	
30	1E	ALR		IRS	RS	11-6-8-9	0001 1110	
31	1F	SLR		ITB/IUS	US	11-7-8-9	0001 1111	
32	20	LPDR		DS	SP	11-0-1-8-9	0010 0000	
33	21	LNDR		SOS		0-1-9	0010 0001	
34	22	LTDR		FS	"	0-2-9	0010 0010	
35	23	LCOR		WUS	#	0-3-9	0010 0011	
36	24	HDR		BYP/INP	\$	0-4-9	0010 0100	
37	25	LRDR		LF	%	0-5-9	0010 0101	
38	26	MXR		ETB	&	0-6-9	0010 0110	
39	27	MXDR		ESC	'	0-7-9	0010 0111	
40	28	LDR		SA	(0-8-9	0010 1000	
41	29	CDR		SFE)	0-1-8-9	0010 1001	
42	2A	ADR		SM/SW	*	0-2-8-9	0010 1010	
43	2B	SDR		CSP	+	0-3-8-9	0010 1011	
44	2C	MDR		MFA	-	0-4-8-9	0010 1100	
45	2D	DDR		ENQ	.	0-5-8-9	0010 1101	
46	2E	AWR		ACK	:	0-6-8-9	0010 1110	
47	2F	SWR		BEL	/	0-7-8-9	0010 1111	
48	30	LPER			0	12-11-0-1-8-9	0011 0000	
49	31	LNER			1	1-9	0011 0001	
50	32	LTER		SYN	2	2-9	0011 0010	
51	33	LCER		IR	3	3-9	0011 0011	
52	34	HER		PP	4	4-9	0011 0100	
53	35	LRRR		TRN	5	5-9	0011 0101	
54	36	AXR		NBS	6	6-9	0011 0110	
55	37	SXR		EOT	7	7-9	0011 0111	
56	38	LER		SBS	8	8-9	0011 1000	
57	39	CER		IT	9	1-8-9	0011 1001	
58	3A	AER		RFF	:	2-8-9	0011 1010	
59	3B	SER		CU3	:	3-8-9	0011 1011	
60	3C	MER		DC4	<	4-8-9	0011 1100	
61	3D	DER		NAK	=	5-8-9	0011 1101	
62	3E	AUR			>	6-8-9	0011 1110	
63	3F	SUR		SUB	?	7-8-9	0011 1111	

- Two columns of EBCDIC graphics are shown. The first gives IBM standard U.S. bit pattern assignments. The second shows the T-11 and TN text printing chains (120 graphics.)
- Add C (check bit) for odd or even parity as needed, except as noted.
- For even parity use CA.

TWO-CHARACTER BSC DATA LINK CONTROLS		
Function	EBCDIC	ASCII
ACK-0	DLE,X'70'	DLE,0
ACK-1	DLE,X'81'	DLE,1
WACK	DLE,X'88'	DLE,;
RVI	DLE,X'7C'	DLE,<

CODE TABLES (Cont'd)

Dec.	Hex	Inst. (RX)	Graphics and Controls			7-Track Tape BCDIC(2)	Card Code EBCDIC	Binary	
			BCDIC	EBCDIC(1)	ASCII				
64	40	STH	SP	SP	SP	@	(3)	no punches	0100 0000
65	41	LA		RSP		A		12-0-1-9	0100 0001
66	42	STC				B		12-0-2-9	0100 0010
67	43	IC				C		12-0-3-9	0100 0011
68	44	EX				D		12-0-4-9	0100 0100
69	45	BAL				E		12-0-5-9	0100 0101
70	46	BCT				F		12-0-6-9	0100 0110
71	47	BC				G		12-0-7-9	0100 0111
72	48	LH				H		12-0-8-9	0100 1000
73	49	CH				I		12-1-8	0100 1001
74	4A	AH		†	†	J		12-2-8	0100 1010
75	4B	SH				K	B A 8 2 1	12-3-8	0100 1011
76	4C	MH	□)	<	<	L	B A 8 4	12-4-8	0100 1100
77	4D	BAS				M	B A 8 4 1	12-5-8	0100 1101
78	4E	CVD	<	+	+	N	B A 8 4 2	12-6-8	0100 1110
79	4F	CVB	†			O	B A 8 4 2 1	12-7-8	0100 1111
80	50	ST	&+	&	&	P	B A	12	0101 0000
81	51					Q		12-11-1-9	0101 0001
82	52					R		12-11-2-9	0101 0010
83	53					S		12-11-3-9	0101 0011
84	54	N				T		12-11-4-9	0101 0100
85	55	CL				U		12-11-5-9	0101 0101
86	56	O				V		12-11-6-9	0101 0110
87	57	X				W		12-11-7-9	0101 0111
88	58	L				X		12-11-8-9	0101 1000
89	59	C				Y		11-1-8	0101 1001
90	5A	A				Z		11-2-8	0101 1010
91	5B	S	\$	\$	\$	[B B 2 1	11-3-8	0101 1011
92	5C	M	.	.	.	\	B 8 4	11-4-8	0101 1100
93	5D	D					B 8 4 1	11-5-8	0101 1101
94	5E	AL	:	:	:	^	B 8 4 2	11-6-8	0101 1110
95	5F	SL	Δ	Δ	Δ	~	B 8 4 2 1	11-7-8	0101 1111
96	60	STD	-	-	-	`	B	11	0110 0000
97	61		/	/	/	a	A 1	0-1	0110 0001
98	62					b		11-0-2-9	0110 0010
99	63					c		11-0-3-9	0110 0011
100	64					d		11-0-4-9	0110 0100
101	65					e		11-0-5-9	0110 0101
102	66					f		11-0-6-9	0110 0110
103	67	MXD				g		11-0-7-9	0110 0111
104	68	LD				h		11-0-8-9	0110 1000
105	69	CD				i		0-1-8	0110 1001
106	6A	AD				j		12-11	0110 1010
107	6B	SD				k	A 8 2 1	0-3-8	0110 1011
108	6C	MD	%	%	%	l	A 8 4	0-4-8	0110 1100
109	6D	DD	γ	-	-	m	A 8 4 1	0-5-8	0110 1101
110	6E	AW	\	>	>	n	A 8 4 2	0-6-8	0110 1110
111	6F	SW	⚡	?	?	o	A 8 4 2 1	0-7-8	0110 1111
112	70	STE				p		12-11-0	0111 0000
113	71					q		12-11-0-1-9	0111 0001
114	72					r		12-11-0-2-9	0111 0010
115	73					s		12-11-0-3-9	0111 0011
116	74					t		12-11-0-4-9	0111 0100
117	75					u		12-11-0-5-9	0111 0101
118	76					v		12-11-0-6-9	0111 0110
119	77					w		12-11-0-7-9	0111 0111
120	78	LE				x		12-11-0-8-9	0111 1000
121	79	CE				y		1-8	0111 1001
122	7A	AE	Ⓢ	:	:	z	A	2-8	0111 1010
123	7B	SE	≠	#	#		8 2 1	3-8	0111 1011
124	7C	ME	@	@	@		8 4	4-8	0111 1100
125	7D	DE	:	:	:		8 4 1	5-8	0111 1101
126	7E	AU	>	=	=	~	8 4 2	6-8	0111 1110
127	7F	SU	↓	"	"	DEL	8 4 2 1	7-8	0111 1111