# **DEC STD**

107

SEC.0 REV. B

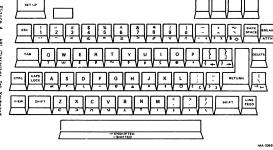


Figure 4. APL Character Set Keyboard

d | g | l a | 6N 01047A 1A 16 8177(327)

### 5.2 KATAKANA PRINTER KEYBOARDS

The katakana printer keyboard is used in Japan. The keyboard provides a set of Japanese characters that relate to equivaler. English characters on the keyboard.

Figure 17 shows the katakana keyboard that was designed for use with the LA36 DECwriter Terminal. This katakana keyboard is now obsolete.

Figure 18 shows the katakana keyboard that is currently used with the LA34 DECwriter Terminal. This keyboard design was released for production in April, 1979.

The standard U.S. keyboard mode vields the codes specified in Figure 2, which shows the Digital Standard Keyboard code. The codes generated in the katakana mode are shown in Figure 19.



Page

BREAK

BACK SPACE

RETURN

DELETE

LINE

REPEAT

d 1911al PA GOGLATA IS REFEREN

Figure

17.

15-

D∌F

6 7 7 8

0

Rスエカマンルナ

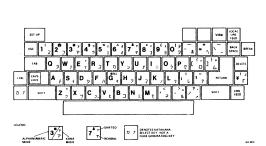
1 G + H 7 j

BINEME

LA36 Printer Katakana Keyboard (Obsolete)

カ

IAB







Escape sequences listed in the following chart are specified in terms of DEC STD 851 graphics, as well as octal representations.

Name	Escape Se		Notes
14diffe	l GØ	G1	noces
Great Britain	ESC ( A 833 858 181	ESC ) A 033 051 101	
United States	ESC ( B 033 050 102	ESC ) B 033 051 102	
Finland	ESC ( 5	ESC ) 5	1,2
Norway and Denmark	ESC ( 6	ESC ) 6 853 851 866	
Sweden	ESC ( 7 033 050 067	ESC ) 7 833 Ø51 Ø67	1,4
Germany		ESC ) K 033 051 113	
France	ESC ( R 033 050 113	ESC ) R #33 #51 122	
Canada (Prench)		ESC ) 9 033 051 071	
Japan (Roman)	ESC ( J 033 050 112	ESC ) J 033 051 112	
Japan (Katakana)	ESC ( I 033 050 102	ESC ) I 033 051 102	
APL	ESC ( 8	933 Ø51 Ø7Ø	7

### Notes:

 These character sets are different from the registered ISO character sets. Details of the differences are listed under subhead 4. Private escape sequences have been assigned to these character sets. If a designated escape sequence is not implemented by a terminal, it is acceptable for the terminal to designate a "closest fit" character set as fall-back.



### CAUTION

Character sets implemented as "closest fit" are subject to change. In all cases, the private escape sequence listed in the table is recommended.

- This character set should be designated as a "closest fit" if the final character "C" (103) is used.
- This character set should be designated as a "closest fit" if the final character "E" (105) is used.
- This character set should be designated as a "closest fit" if the final character "H" (119) is used.
- This character set should be designated as a "closest fit" if the final character "Q" (121) is used.
- On the Bell Canada version of the LA128, this character set is selected by ESC ( R. This means of selection is not endorsed by this standard.
- This is the APL typewriter-paired character set.

### 3 GRAPHIC CHARACTER SETS AND RELATED CODES

Refer to Tables 1 through 11.

## Notes

In the tables, codes are specified as 3-digit octal numbers.

A small dot adjacent to an entry indicates the character is either hand drawn or modified by hand. This type of entry may not be a perfect reproduction of the machine printed character.



Table 9. Japan (Roman)

c	ODE	GRAP	HIC NAMES OR MEANINGS	CODE	GRAP	HIC NAMES OR MEANINGS
	041	1	Exclamation Point	070	8	Digit Eight
	042		Quotation Marks, Diaeresis	071	9	Digit Nine
	043		Number Sign	072	:	Colon
	044	\$	Dollar Sign	073	;	Semicolon
	045	5	Percent Sign	074	<	Opening (Left) ingle Bracket, Less Than Sign
	046	Ł	Ampersand			
	047		Closing Single Quotation	075	=	Equal Sign
			Mark, Apostrophe, Acute Accent	076	>	Closing (Right) Angle Bracket, Greater Than Sign
	050	(	Opening (Left) Parenthesis	077	?	Question Mark
	051	)	Closing (Right) Parenthesis	100	e	Commercial At Sign
	052	•	Asterisk	101	A	Capital Letter A
	053	٠	Plus Sign	102	В	Capital Letter B
	054	,	Comma, Cedilla	103	С	Capital Letter C
	055	-	Hyphen, Minus Sign	104	D	Capital Letter D
	056	٠	Period, Full Stop, Decimal Point	105	В	Capital Letter E
	057	,	Solidus, Slant, Slash	106	P	Capital Letter F
	060	0	Digit Zero	107	G	Capital Letter G
	061	1	Digit One	110	Н	Capital Letter H
	062	2	Digit Two	111	I	Capital Letter I
	063	3	Digit Three	112	J	Capital Letter J
	064	4	Digit Four	113	K	Capital Letter K
			Digit Five	114	L	Capital Letter L
	065	5		115	н	Capital Letter M
	066	6	Digit Six	116	N	Capital Letter W
	067	7	Digit Seven	117	. 0	Capital Letter 0



Table 9. Japan (Koman)	(continued)
------------------------	-------------

CODE	GRAP	HIC NAMES OR MEANINGS	CODE	GRAPE	IC NAMES OR MEANINGS
120	P	Capital Letter P	150	h	Small Letter H
121	Q	Capital Letter Q	151	1	Small Letter I
122	R	Capital Letter R	152	j	Small Letter J
123	s	Capital Letter S	153	k	Small Letter K
124	T	Capital Letter T	154	1	Small Letter L
125	U	Capital Letter U	155		Small Letter M
126	٧	Capital Letter V	156	n	Small Letter N
127	W	Capital Letter W	157	٥	Small Letter 0
130	x	Capital Letter X	160	P	Small Letter P
131	Y	Capital Letter Y	161	q	Small Letter Q
132	z	Capital Letter Z	162	r	Small Letter R
133	E	Opening (Left) Square Bracket	163	3	Small Letter 3
134	¥	Yen Sign	164	t	Small Letter T
135	1	Closing (Right) Square	165	u	Small Letter U
130	,	Bracket	166	٧	Small Letter V
136	•	Upward Arrow Head, Circumflex Accent	167		Small Letter W
137	_	Underline	170	x	Small Letter X
140		Opening Single Quotation	171	y	Small Letter Y
		Mark, Grave Accent	172		Small Letter Z
141	a	Small Letter A	173	{	Opening (Left, Curly Bracket, Opening (Left)
142	b	Small Letter B			Brace
143	c	Small Letter C	174	1	Vertical Line
144	-	Small Letter D Small Letter E	175	}	Closing (Right) Curly Bracket, Closing (Right) Brace
	-			_	
146	r	Small Letter F	176	•	Tilde, Overline, General Accent
d i g	i tj	mall Letter G			

Table 16. Japan (Katakana)

CODE	GRAPHIC	NAMES OR PRONUNCIATIONS	CODE	GRAPHIC	NAMES OR PRONUNCIATIONS
041	•	Full Stop	. 070	2	EU
042	•	Opening Bracket	071	,	KE
043	4	Closing Bracket	072	2	KO
044		Coma	073	,	SA
045	•	Conjunctive Symbol	074	•	SHI
046	7	Wo	075	z	SU
047	7	Small A	076	t	SE
050	4	Small I	077	У	80
051	,	Small U	100	,	TA
052	1	Small E	101	+	CHI
C .3	*	Small 0	102	7	TSU
054	•	Small YA	103	,	TE
055	1	Small YU	104		10
056	3	Small. YO	105	†	MA
057	,	Small TSU	106	=	NI
060	-	Prolonged Sound Symbol	107	3	NU
061	P	A .	110	1	NE
062	1	I	111	,	NO
063	2	U	112	Α	HA
064	I	E	113	ŧ	HI
065	#	0	114	7	FU
066	n	KA	115	1	HE
067	•	KI	116		HO
			117	7	MA



Table 18. Japan (Katakana) (continued)

CODE	GRAPHIC	NAMES OF PRONUNCIATIONS	CODE	GRAPHIC	NAMES OR PRONUNCIATIONS
120	2	HI	150	1	NE
121	4	MO	151	,	NO
122	*	HE	152	Λ	HA
123	ŧ	MO	153	t	HI
124	*	YA	154	7	FU
125	2	YU	155	1	HE
126	3	YO .	156	*	но
127	,	RA	157	7	MA
130	y	RI	160	×	ні
131	٠	RU	161	4	MU
132	r	RE	162	*	ME
133	0	RO	163	ŧ	но
134	2	WA	164	7	YA
135	>	N(M)	165	1	YU
136	•	Voiced Sound Symbol	166	3	10
137	•	Semi-Voiced Sound Symbol	167	,	R▲
140	,	TA	170	y	RI
141	*	CHI	171	•	RU
142	. ,	TSU	172	·	RE
143		TE	173	٥	RO
144		TO	174	7	WA
145	· +	NA	175	ر ز	H(H)
146	· =	NI	176		Voiced Sound Symbol
187		MII			



# Table 11. APL

CODE	GRAP	HIC NAMES OR MEANINGS	CODE	GRAP	HIC NAMES OR MEANINGS
. 041		Diaresis	070	8	Digit 8
042	)	Closing (Right) Parenthesis	071	9	Digit 9
043	<	Less Than Sign	072	(	Opening (Left) Parenthesis
. 044	≤	Less Than Or Equal Sign	073	ι	Opening (Left) Square Bracket
045	=	Equal Sign	074		Semicolon
046	>	Greater Than Sign		;	
047	1	Closing (Right) Square Bracket	. 075	×	Multiplication Sign
			076	:	Colon
. 050	٧	Logical Or Sign	077	\	Reverse Solidus, Reverse Slant, Backslash
. 051	^	Logical And Sign	100	-	Negation Sign
. 052	*	Not Equal Sign	. 101	4	Greek Letter Alpha
. 053	÷	Division Sign	- 102	_	Decode Sign
054	,	Comma		_	perode pren
055	٠	Plus Sign	• 103		
056		Period, Full Stop, Decimal	- 104		Floor, Minimum
		Point	- 105	•	Greek Letter Epsilon
057	/	Solidus, Slant, Slash	106	-	Underscore
060	0	Digit 0	107	۰	Del
061	1	Digit 1	110	۵	Delta
062	2	Digit 2	111	ı	Index
063	3	Digit 3	112	•	Small Circle
064	4	Digit 4	113	,	Ravel
065	5	Digit 5	114	• •	Quad
066	6	Digit 6	115	1	Residue
067	7	Digit 7	116	, ,	Zncode Sign
			117	, ,	Large Circle



Table 11. APL (continued)

CODE	GRAP	HIC NAMES OR MEANINGS	CODE	GRAPE	IC NAMES OR MEANINGS
120		Star	150	н	Capital Letter H
121	?	Question Mark	151	1	Capital Letter I
• 122	ρ	Greek Letter Rho	152	J	Capital Letter J
. 123	r	Ceiling	153	K	Capital Letter K
124	-	Tilde	154	L	Capital Letter L
125	٠	Down Arrow	155	H	Capital Letter H
- 126	U		156	N	Capital Letter N
- 127	w	Greek Letter Omega	157	0	Capital Letter 0
- 130	9		160	P	Capital Letter P
• 131	٠	Up Arrow	161	9	Capital Letter Q
132	c.		162	R	Capital Letter R
- 133	+	Left Arrow	163	s	Capital Letter S
- 134	۰	Left Tack	164	T	Capital Letter T
· 135	*	Right Arrow	165	U	Capital Letter U
- 136	2	Greater Than Or Equal Sign	166	¥	Capital Letter V
137	-	Minus Sign	167	¥	Capital Letter W
- 140	۰	Diamond	170	x	Capital Letter I
141	A	Capital Letter A	171	Y	Capital Letter Y
142	В	Capital Letter B	172	z	Capital Letter Z
143	С	Capital Letter C	173	(	Opening (Left) Brace
144	D	Capital Letter D	. 174	4	Right Tack
145	E	Capital Letter E	175	}	Closing (Right) Brace
146	F	Capital Letter F	176	\$	Dollar Sign



147 G Capital Letter G