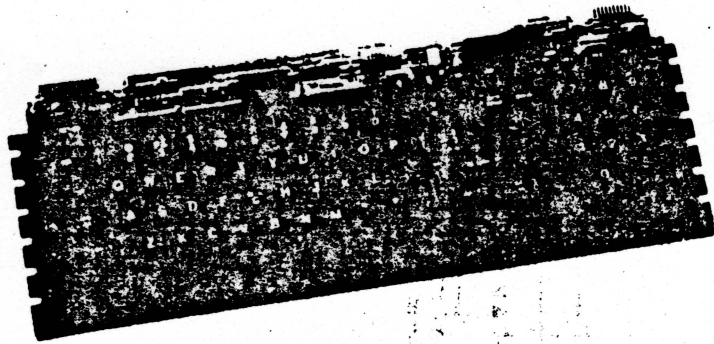


MODEL L2207/ P2441	KEYBOARD
83 KEY VT100	

83 KEY VT100



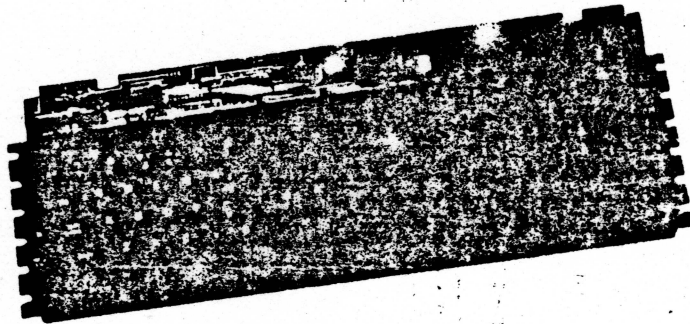
L2207

STANDARD FEATURES

- Low-Profile Solid-State Switches
- Durable 2-Shot Molded Keytops
- N-Key Rollover
- 5 VDC Operation
- Rigid Frame Mounting
- 5 Year Switch Warranty
- Sculptured Keytops
- Off-The-Shelf Availability
- TTL Level Serial Input/Output (300 Baud)

OPTIONAL FEATURES

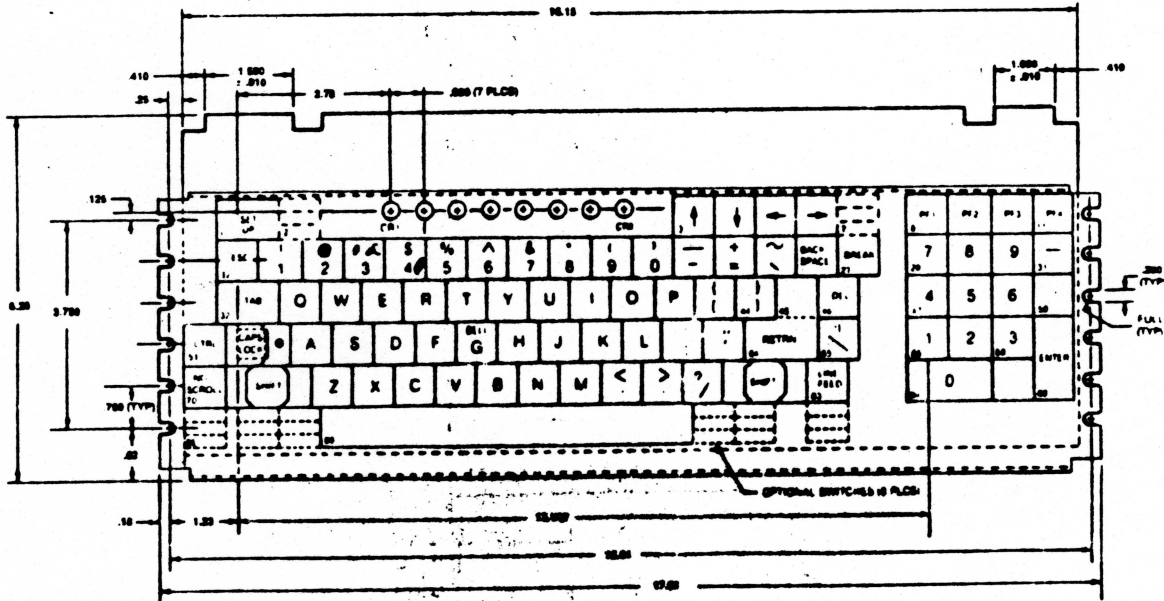
- 9 Additional Keys
- Parallel Data Output
- Card-Edge or Header Connector
- Minimum Interface



P2441

DESCRIPTION:

This model offers the popular key layout for a detachable, serial interface terminal keyboard. An on-board microcomputer provides features not found on any other keyboard. The simple four-wire serial port provides four modes of key data and allows the terminal to actuate the LED indicators and an audible device which beeps or clicks as instructed. Key Tronic sales representatives are located worldwide to assist you with your unique keyboard requirements. They have pricing, delivery, and part number information on all of our standard designs, and can also work with you to specify a low-cost custom keyboard if required.

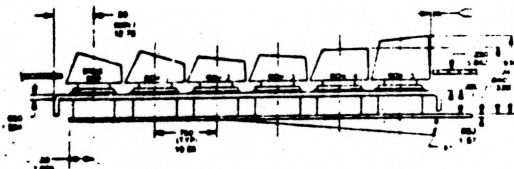
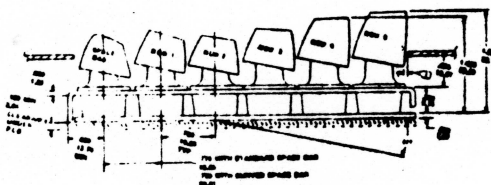


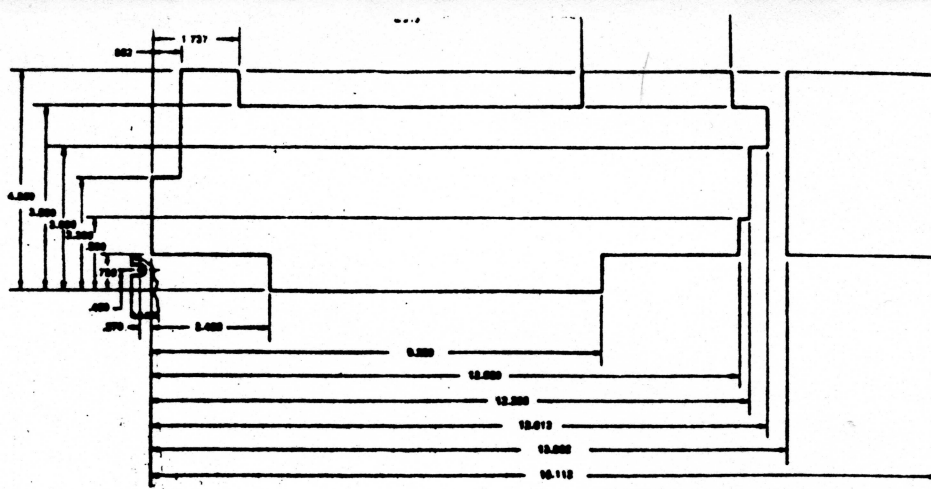
KEYTOP PROFILES:

L2207

P2441

19mm





ASCII CODE TABLE

Key	Unshift	Shift	Control	Control & Shift	Key	Unshift	Shift	Control	Control & Shift
1	FE	FE	FE	FE	47	D0	D0	D0	D0
2	F0	F0	F0	F0	48	D1	D1	D1	D1
3	F1	F1	F1	F1	49	D2	D2	D2	D2
4	F2	F2	F2	F2	50	D3	D3	D3	D3
5	F3	F3	F3	F3	51				
6	F4	F4	F4	F4	52		CONTROL		
7	F5	F5	F5	F5	53		CAPS LOCK		
8	F6	F6	F6	F6	54	a	A	SOH	SOH
9	F7	F7	F7	F7	55	s	S	DC3	DC3
10	F8	F8	F8	F8	56	d	D	EOT	EOT
11	F9	F9	F9	F9	57	f	F	ACK	ACK
12	ESC	ESC	ESC	ESC	58	h	H	BEL	BEL
13	1	!	!	!	59	j	J	BS	BS
14	2	@	NUL	NUL	60	k	K	LF	LF
15	3	#	E5	E5	61	l	L	VT	VT
16	4	\$	4	4	62	.	.	FF	FF
17	5	%	5	%	63	:	:		
18	6	^	RS	RS	64	~	~	CR	CR
19	7	&	7	&	65	0	0	FS	FS
20	8	*	8	*	66	1	1	CO	CO
21	9	(	9	(	67	2	2	C1	C1
22	0	)	0	)	68	3	3	C2	C2
23	-	_	US	US	69	4	4	C3	C3
24	=	+	=	+	70	5	5	BO	BO
25	,	~	,	~	71				
26	BS	BS	BS	BS	72	z	Z	SHIFT	SHIFT
27	EO	EA	EB	EB	73	x	X	SUB	SUB
28	E1	E1	E1	E1	74	c	C	CAN	CAN
29	E2	E2	E2	E2	75	v	V	ETX	ETX
30	E3	E3	E3	E3	76	b	B	SYN	SYN
31	E4	E4	E4	E4	77	n	N	STX	STX
32	HT	HT	HT	HT	78	m	M	SO	SO
33	q	Q	DC1	DC1	79			CR	CR
34	w	W	ETB	ETB	80	.	.		
35	e	E	ENO	ENO	81	/	/		
36	r	R	DC2	DC2	82			SHIFT	SHIFT
37	t	T	DC4	DC4	83	0A	0A	0A	0A
38	y	Y	EM	EM	84	B1	B1	B1	B1
39	u	U	NAK	NAK	85	B2	B2	B2	B2
40	i	I	HT	HT	86	A0	A0	A0	A0
41	o	O	SI	SI	87	A1	A1	A1	A1
42	p	P	DLE	DLE	88	A2	A2	A2	A2
43	[	|	ESC	ESC	89	B3	B3	B3	B3
44	]	~	GS	GS	90	A3	A3	A3	A3
45	D4	D6	D4	D6	91	A4	A4	A4	A4
46	DEL	DEL	DEL	DEL	92	A5	A5	A5	A5

*These Keys do not auto repeat
Also note that there is no auto-repeat in the control or shift/control modes

SERIAL INPUT DATA:

Data Bit	Audible Data (B0 = 0)	LED Data (B0 = 1)
B 1	Short Beep (1)	LED 1 & 2 (complements)
B 2	Long Beep (1)	LED 3
B 3	Clicker Disable (1) or Clicker enable (0)	LED 4
B 4	.	LED 5
B 5	N/A	LED 6
B 6	N/A	LED 7
B 7	N/A	LED 8

* A "1" causes the keyboard to output data code AA (can be used for power up test)

3K/9/82

ELECTRICAL DATA:

Input Power + 5 VDC @ 500 ma typ
Data Output 8 Bit ASCII (+ Logic, - Logic Optional)
Serial Output 1 Start Bit, 8 Data Bits, 1 Stop Bit (+ Logic, 300 Baud)
Parallel Data Strobe Pulsed (+ Logic)

MECHANICAL DATA:

Key Total Travel 0.171 in (4.34 mm)
Key Actuating Force 2.0 oz (57 gr)
Keytop Color Ink Brown (Cyclocac 82741)
Switch Reliability 100 Million MCBF

CONNECTOR DETAIL:

Serial Port		Parallel Port (Card Edge/Header)	
PIN	FUNCTION	PIN	FUNCTION
1	+ 5 VDC	A/2	Ground
2	Output	F/10	Clicker
3	Ground	H/12	LED 1 & 2
4	Chassis Ground	J/13	LED 3
6	Input	K/17	LED 4
		L/18	LED 5
		M/19	LED 6
		N/22	LED 7
		P/24	LED 8
		R/26	Chassis Ground

RECOMMENDED CONNECTOR:

Serial Port. Amp 1.87175 3 or equiv
Parallel Card-Edge Amp 88373 4 or equiv (.100 in. centers)
Parallel Header (Optional) Berg 65846-019 or equiv

ORDERING INFORMATION:

When ordering, refer to Key Tronic part number 65-02207-001 for the standard profile and 65-02441-001 for the 19mm profile. For pricing and availability, consult our nearest representative located in principal cities, world wide.



P.O. Box 14187 • Spokane, WA 99216-0187
928-8000 • TWX 516-928-8000
(509) 928-3851

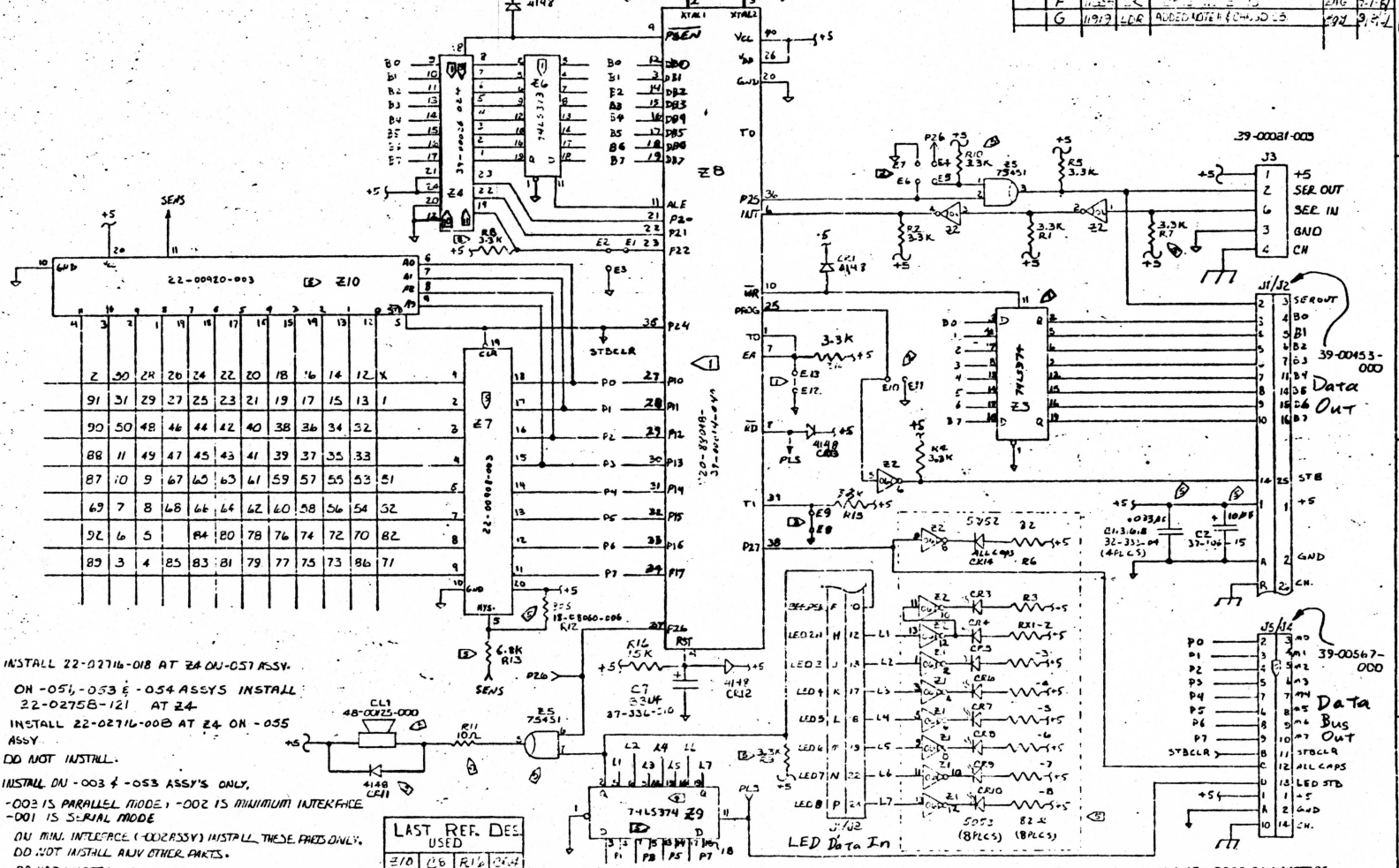
NOTE: FOR OSK ASSY'S

1) INSTALL E3 AND REMOVE Z9 FOR PARALLEL AND INSTALL FROM TYPE -121 FOR PARALLEL

2) INSTALL Z9 AND TYPE -00B (OR -01B?) FROM FOR SERIAL

3.58 MHz
48-003-0-10
C5 10PF
28-004-004
C6 20PF
28-201-04

EFF.	REV	ECO	BY	DESCRIPTION	APP.	DATE
U	1	U	U	PLD I		7/15/92
U	1	U	U	PLD II		8-7-92
U	1	U	U	PLD III		8-24-92
L	A	L	L	PLD IV		8-24-92
L	A	L	L	PLD V		8-24-92
L	A	L	L	PLD VI		8-24-92
D	1	D	D	DELETE ETCH TIE		8-24-92
E	1	E	E	ADD LED IN		8-24-92
F	1	F	F	ADD LED IN		8-24-92
G	1	G	G	ADD NOTE 1 & 2		8-24-92



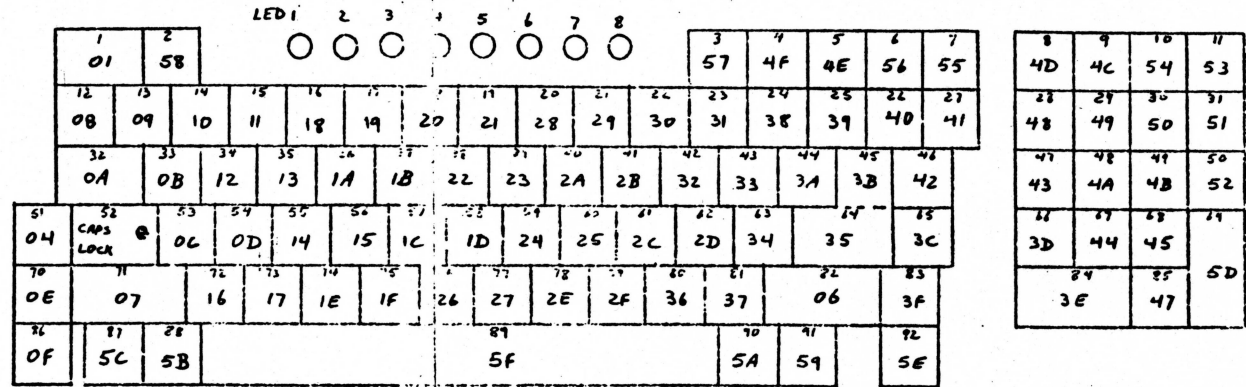
- ① INSTALL 22-02716-01B AT Z4 ON -057 ASSY.
- ② ON -05L, -053 & -054 ASSYS INSTALL 22-02758-121 AT Z4
- ③ INSTALL 22-02716-00B AT Z4 ON -055 ASSY.
- ④ DO NOT INSTALL.
- ⑤ INSTALL DU-003 & -053 ASSY'S ONLY.
 - b. -003 IS PARALLEL MODE, -002 IS MINIMUM INTERFACE -001 IS SERIAL MODE
- ⑥ ON MIN. INTERFACE (-002 ASSY) INSTALL THESE PARTS ONLY. DO NOT INSTALL ANY OTHER PARTS.
- ⑦ DO NOT INSTALL ON -003 OR -053 ASSY'S
- ⑧ CUT ETCH TIE EB-E9 TO INJECT PARALLEL DATA CUTOFF
- ⑨ ON -002 ASSY ONLY INSTALL ETCH TIE EG-ET, EIO-EN, EA-E5
- ⑩ ON OSK SERIES ASSY ONLY INSTALL 20-08035-000 AT Z6. INSTALL Z4, Z6. CUT ETCH TIE E12-E13.

LAST REF. DES. USED	REF. DES. NOT USED
E10	C6
E11	E13

NOTICE OF PROPRIETARY RIGHTS
MANUFACTURE PART AND/OR ASSY'S PER ITC DOCUMENT
FTP
36-104

DATE OF OTHER WISE NOTED 21 DIMENSION UNLESS IN INCHES DIMENSION NOT TO SCALE RELEASED APP'D: [Signature] CHK'D: [Signature] DR: [Signature]	TOL EXCEPT AS NOTED HOLE FRACT = 1/64 XX = 0.01 XX = 0.005 ANG = 1°	ITEM SCALE PART NO DESCRIPTION QTY.	TITLE <h3>SCHEMATIC</h3> keytronic corporation SPOKANE WASH, U.S.A. DWG NO: 36-02201 SHEET OF 1	
--	--	--	---	--

EFF.	REV.	ECO	BY	DESCRIPTION	APP	DATE



SHEET 1 OF CODE CHART

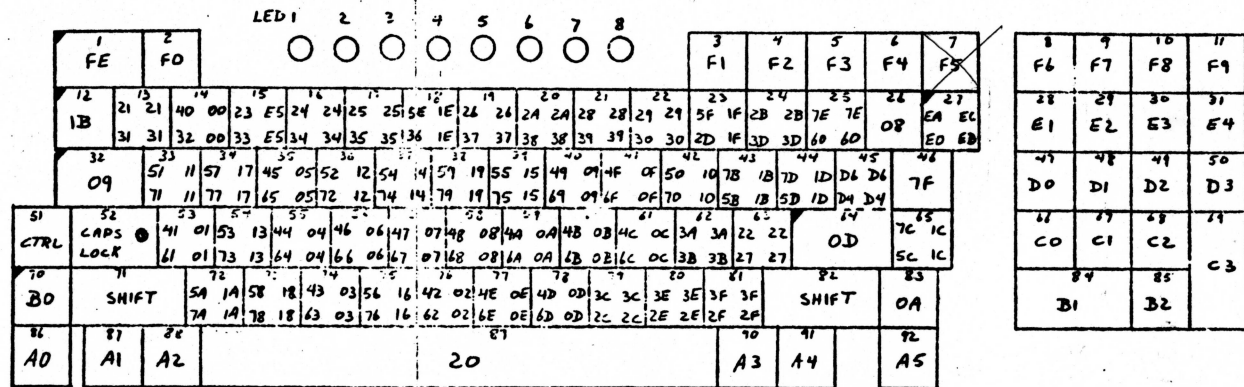
POSITIVE LOGIC

MANUFACTURE PARTS AND/OR ASSY'S PER K.T.C. DOCUMENT	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES	TOL. EXCEPT AS NOTED	ITEM	PART NO.	DESCRIPTION	QTY	
	DIMENSION NOT TO SCALE	HOLE DIA.	SCALE		TITLE		
	USED ON: 45-2	RELEASED: 002			HEX CODE		DWG. NO. 36-1204
	APP. EN. DR.	XX ± .01" XXX ± .005" AND ± .1"	SPOKANE, WYSH., U.S.A.		SHEET OF		<input type="checkbox"/>



EFF.	REV.	ECO	BY	DESCRIPTION	APP	DATE
	B		HR	CHANGED KEY 18 CODES		12/1/80
	C		HR	CHANGED KEY 27 CODES & ADDED NON-REP. KEYS	HR	4/13/81

NOTE: NO AUTO REPEAT IN CONTROL OR SHIFT/CONTROL MODE.



US = UNSHIFT
 SH = SHIFT
 CTRL = CONTROL
 S/C = SHIFT/CONTROL

SHEET 2 OF CODE CHART

POSITIVE LOGIC

MANUFACTURE PARTS AND/OR ASSY. PER M.T.C. DOCUMENTS		USED BY	RELEASED	APP.	CH.	DR. HR	TOL. EXCEPT AS NOTED	ITEM	PART NO.	DESCRIPTION	QTY.
<small>STYLES PARTS MANUFACTURING CORPORATION 10000 WASHINGTON AVENUE SPOKANE, WASHINGTON 83401 (208) 325-1100 THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08-28-2008 BY 60322 UCBAW/BJS</small>		65					HOLE DIA.	SCALE	TITLE	HEX CODE	
							XX ± .01" XXX ± .005" ANG. 1°			keytronic cooperation	DWG. NO. 36-1204
										SPOKANE, WASH., U.S.A.	SHEET OF

A

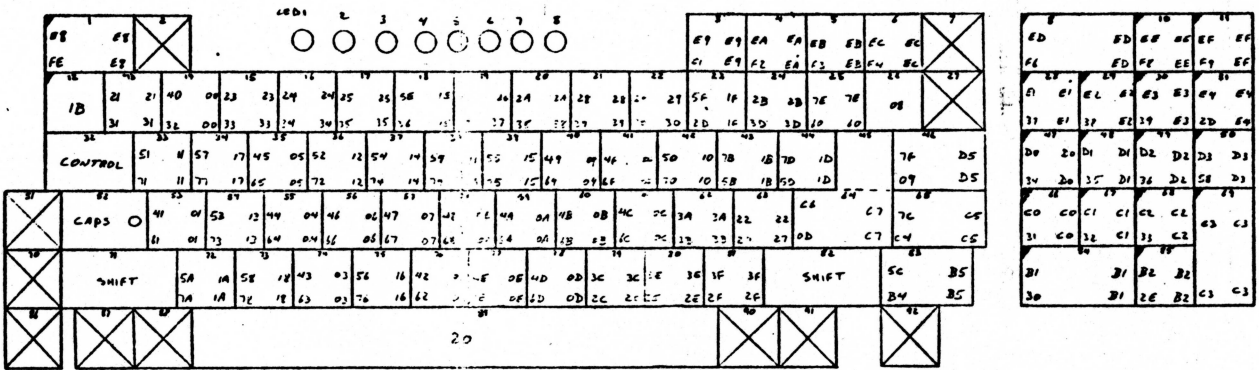
B

C

D

E

NOTE: NO AUTO REPEAT IN CONTROL OR SHIFT/CONTROL MODES



NO AUTO REPEAT



US = UN SHIFT
 SH = SHIFT
 SC = SHIFT/CONTROL
 CTRL = CONTROL

NOTE: SHIFT & caps lock produce unshift code

POSITIVE LOGIC

SHEET 4 OF CODE CHART

FOR PRODUCTION INFORMATION
 CONTACT THE MANUFACTURER
 FOR THE LATEST REVISIONS
 OF THIS DOCUMENT.

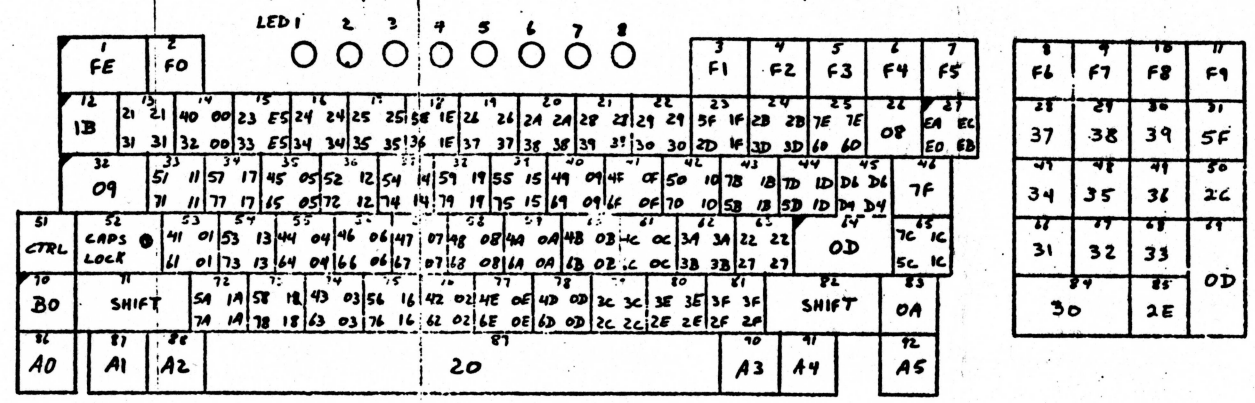
MANUFACTURE PARTS
 LISTED CLASSY PER
 K.T. DOCUMENT

UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES		TOL. EXCEPT AS NOTED
XXX	DIMENSION NOT TO SCALE	OFF. SCALE
USED ON	RELEASED	DATE
65-2207-57	APP.	FRACT. & 1/64
07	CH.	1/2 & 0.05
		1/32 & 0.01
		ALL > 1"

PART NO.	DESCRIPTION	ITEM
XXX	HEX CODE	
keytronic Corporation		DWG. NO. 34-1204
SHEET		OF

EFF.	REV.	ECO	BY	DESCRIPTION

NOTE: ND AUTO REPEAT IN CONTROL OR SHIFT/CONTROL MODE.



NON AUTO REPEAT KEY

SH SIC
 US CTRL

US = UNSHIFT
 SH = SHIFT
 CTRL = CONTROL
 SIC = SHIFT/CONTROL

SHEET 5 OF CODE CHART

POSITIVE LOGIC

STANDARD SYMBOLS FOR THE IDENTIFICATION OF PARTS AND/OR ARMY'S PER K.T.C. DOCUMENT:

MANUFACTURE PARTS AND/OR ARMY'S PER K.T.C. DOCUMENT:	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES	TOL. EXCEPT AS NOTED	ITEM SCALE	PART NO. TITLE	DESCRIPTION	QTY.
	DIMENSION NOT TO SCALE	HOLE DIA.	RELEASED APP. CH. DR. HP	36 HEX CODE	DWG. NO. 36-1204	SHEET OF
USED ON 15-2207-58	XX ± .01" XXX ± .005" AND 1"	KEY SPONSOR CORPORATION SPOKANE, WASH., U.S.A.	12/2/81	36-1204	SHEET OF	1