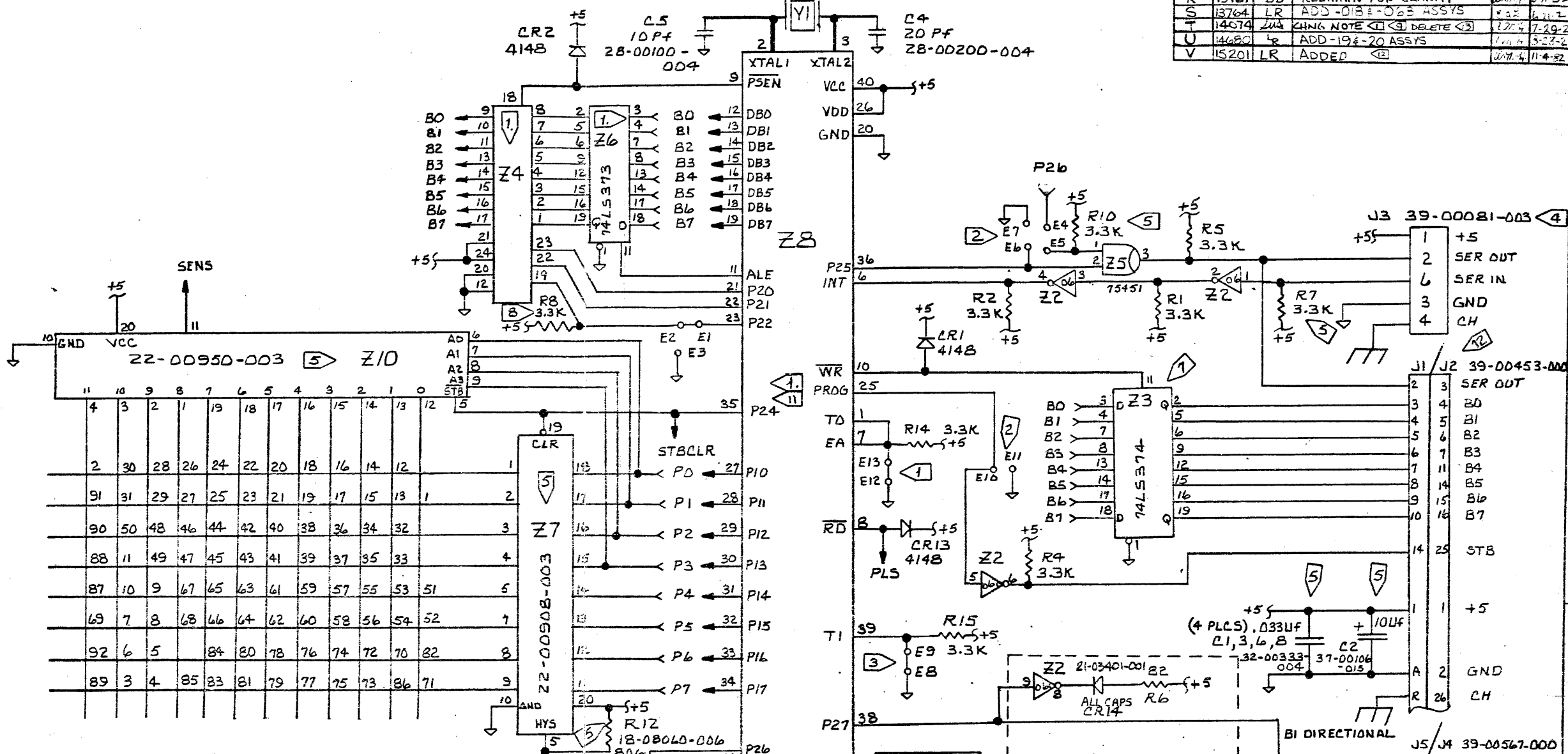


REV.	ECO	BY	DESCRIPTION	APP.	DATE
R	13467	BB	REDRAWN FOR CLARITY	2/7/82	5-11-82
S	13764	LR	ADD -018 & -065 ASSYS	4/2/82	6-11-82
T	14074	JWA	CHNG NOTE (1) (9) DELETE (3)	2/7/82	7-29-82
U	14680	LR	ADD -19 & -20 ASSYS	7/1/82	3-23-82
V	15201	LR	ADDED (12)	2/7/82	11-4-82

48-00300-D/D 3.58 MHZ



- 12 ON -22, -23, -72 & -73 INSTALL 39-00792-000 AT J2.
  - 11 SEE REF CHART SH16 & 24 FOR Z8 ON -OXX ASSYS.
  - 10 USE 37-00335-035 ON -004, -018, -054 & -068 ASSYS.
  - 9 ON -009, -059, -011, -061 & -014 ASSYS DELETE CR3-CR10, Z1 & RX1.
  - 8 DO NOT INSTALL.
  - 7 INSTALL ON -03, -53, -11, -61, -09, -59, -19, -22, -23, -72 & -73 ASSYS.
  - 6 -003 IS PARALLEL MODE, -002 IS MINIMUM INTERFACE, -001 IS SERIAL MODE.
  - 5 ON MIN. INTERFACE (-002) INSTALL THESE PARTS ONLY. DO NOT INSTALL ANY OTHER PARTS.
  - 4 DO NOT INSTALL ON -03, -53, -11, -61, -09, -59, -19, -22, -23, -72 & 73
  - 3 CUT ETCH TIE 58-59 TO INVERT PARALLEL DATA OUTPUT.
  - 2 ON -002 ASSY ONLY INSTALL E6-E7, E10-E11, E4-E5.
  - 1 INSTALL Z4, Z6, Z8 ON -05X, -06X & -07X ASSY. SEE REF CHART SHT 16 FOR Z4 & Z8 PART NUMBERS. CUT ETCH TIES E12-E13. INSTALL 39-00226-024
- NOTES: SKCT AT Z4.

LAST REF DES USED		
Z10	CB	R10 CR14
J4	Y1	E13

REF. DES NOT USED		

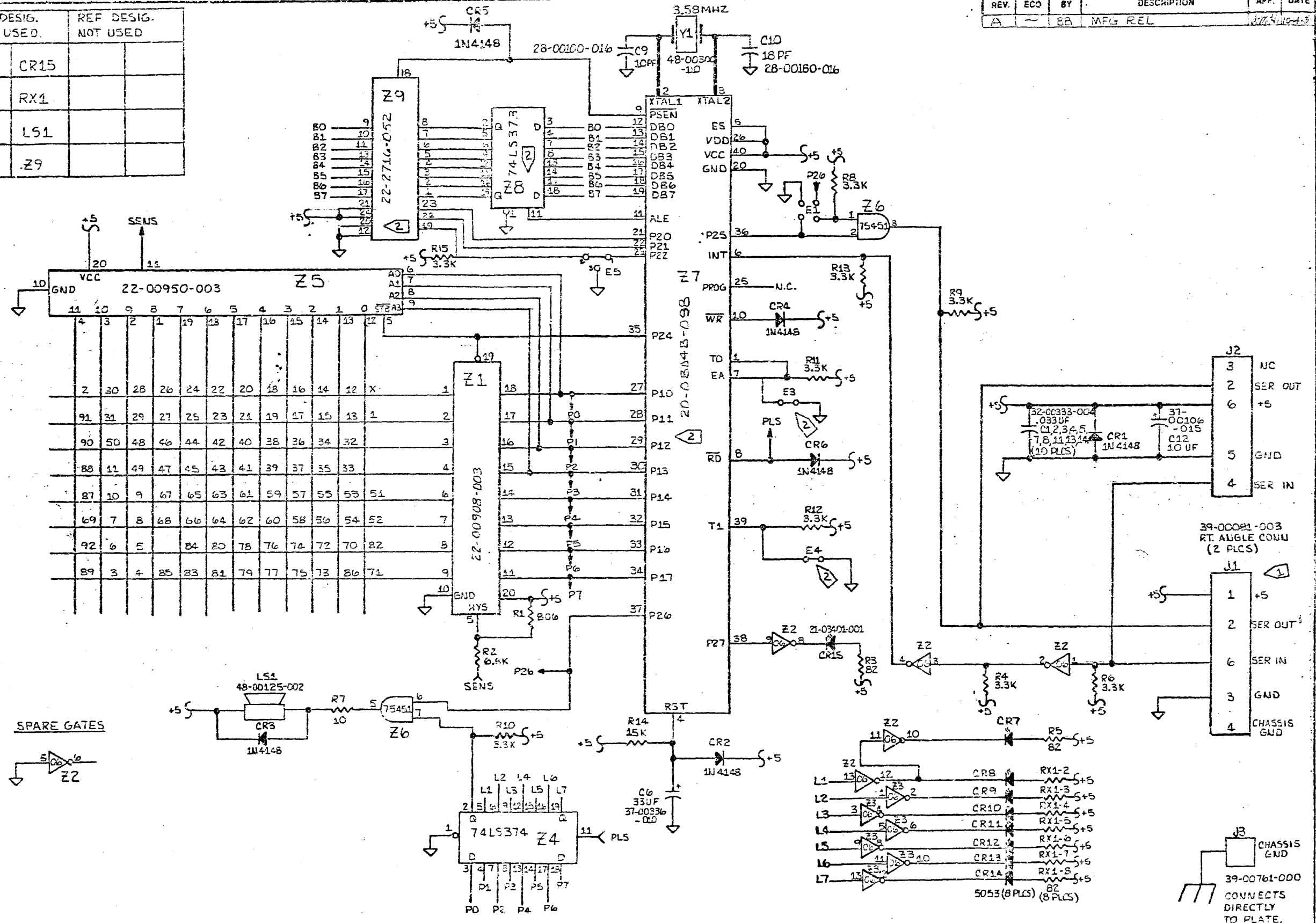
NOTICE OF PROPRIETARY INFORMATION  
 INFORMATION CONTAINED HEREIN IS PROPRIETARY AND UNCLASSIFIED. WHERE APPLICABLE, TRADE SECRET RIGHTS ARE RESERVED. NO PORTION OF THIS DOCUMENT IS TO BE RELEASED TO THE PUBLIC, IN ANY FORM OR BY ANY MEANS, WITHOUT THE EXPRESS WRITTEN PERMISSION OF KEYTRONIC CORPORATION. THIS INFORMATION IS TO BE USED ONLY FOR THE PURPOSES OF INSPECTION, INSTALLATION OR MAINTENANCE WHERE APPLICABLE TO A SUB-PLANT IT SHALL BE USED SOLELY IN THE PERFORMANCE OF WORK CONTRACTED FOR BY THE COMPANY.  
 THIS INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF KEYTRONIC CORPORATION.

MANUFACTURE PARTS AND/OR ASSY'S PER K.T.C. DOCUMENT:  
 FTP 36-1204

UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES		TOL. EXCEPT AS NOTED	QTY.	PART NO.	DESCRIPTION	ITEM
.XXX DIMENSION NOT TO SCALE		MOLE DIA.	SCALE	TITLE	SCHEMATIC	
USED ON		FRACT. ± 1/64"	DWG NO. 35-02207			
RELEASED		XX ± .03"	SHEET 1 OF C			
APP. 2/2/82		XXX ± .010"	key tronic corporation			
CH. RKO		ANG. ± 1°	SPOKANE, WASH., U.S.A.			
DR. BB						

REF DESIG. LAST USED.	REF DESIG. NOT USED.
R15	CR15
C14	RX1
Y1	LS1
J2	Z9

REV.	ECO	BY	DESCRIPTION	APP.	DATE
A	-	BB	MFG REL		10-1-5



SPARE GATES

- ② ON-DSX ASSY INSTALL 20-08035-000 AT Z7. INSTALL Z8 & Z9, DELETE 20UN. AT E3 & E4.
- ① DO NOT INSTALL.

NOTICE OF PROPRIETARY INFORMATION  
 INFORMATION CONTAINED HEREIN IS THE PROPERTY OF KEYTRONICS CORPORATION. WHERE FURNISHED WITH A PROPOSAL, THE RECIPIENT SHALL USE IT SOLELY TO EVALUATE THE PROPOSAL. WHERE FURNISHED TO A CUSTOMER, IT SHALL BE USED SOLELY FOR PURPOSES OF INSPECTION, MAINTENANCE, OR REPAIR. WHERE FURNISHED TO A SUPPLIER, IT SHALL BE USED SOLELY IN THE PERFORMANCE OF WORK CONTRACTED FOR BY THIS COMPANY.  
 THIS INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSE WHATSOEVER.

MANUFACTURE PARTS AND/OR ASSY'S PER K.T.C. DOCUMENT:

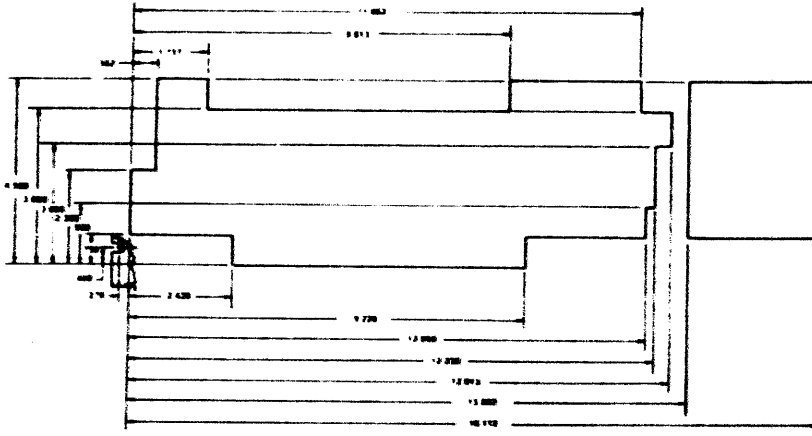
UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES		TOL EXCEPT AS NOTED	QTY.	PART NO.	DESCRIPTION	ITEM
XXX	DIMENSION NOT TO SCALE		SCALE	TITLE	SCHEMATIC	
USED ON	RELEASED	FRACT. = 1/64"	NONE	keytronics corporation		
ADVANCED ELECTRONICS	APP. J.W.T.	XX = .007"		DWG. NO. 35-0275B		
	CH. E.O. 3	XXX = .010"		SHEET 1 OF 1		
	DR. P. 10-27-82	ANG. = 1°		SPOKANE, WASH., U.S.A.		

CLONE OF 65-02576

J3 CHASSIS GND  
 39-00761-000  
 CONNECTS DIRECTLY TO PLATE.

**ENCLOSURE CUTOUT**

**83 KEY VT10U**



**ASCII CODE TABLE**

Key	Unshift	Shift	Control	Control & Shift	Key	Unshift	Shift	Control	Control & Shift
1*	FE	FE	FE	FE	47	00	00	00	00
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				
7	F5	F5	F5	F5	53	a	A	SCN	SCN
8	F6	F6	F6	F6	54	s	S	DC3	DC3
9	F7	F7	F7	F7	55	d	D	ECT	ECT
10	F8	F8	F8	F8	56	f	F	ACK	ACK
11	F9	F9	F9	F9	57	g	G	BEL	BEL
12*	ESC	ESC	ESC	ESC	58	h	H	BS	BS
13					59	i	I	LF	LF
14	z	#	NUL	NUL	60	j	J	FF	FF
15	x	@	E5	E5	61	k	K	FF	FF
16	4	\$	4	\$	62	l	L		
17			5	5	63	;	;		
18		A	RS	RS	64	’	’	CR	CR
19		&		&	65	’	’	FS	FS
20			6	6	66	’	’	CC	CC
21			7	7	67	’	’	CI	CI
22			8	8	68	’	’	C2	C2
23			9	9	69	’	’	C3	C3
24			US	US	70	’	’	BO	BO
25					71	’	’		
26	BS	BS	BS	BS	72	z	Z	SHIFT	SHIFT
27*	E0	EA	EB	EC	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	o	O	DC1	DC1	79	.	.	CR	CR
34	w	W	ETB	ETB	80	.	.		
35	e	E	ENQ	ENQ	81	.	.		
36	.	R	DC2	DC2	82	.	.		
37	t	T	DC4	DC4	83	OA	OA	SHIFT	SHIFT
38	y	Y	EM	EM	84	B1	B1	OA	OA
39	u	U	NAK	NAK	85	B2	B2	B1	B1
40	i	I	HT	HT	86	A0	A0	B2	B2
41	o	O	SI	SI	87	A1	A1	A0	A0
42	p	P	DLE	DLE	88	A2	A2	A1	A1
43	[	{	ESC	ESC	89	A2	A2	A2	A2
44	]	}	GS	GS	90	SP	SP	SP	SP
45	D4	D8	D4	D6	91	A3	A3	A3	A3
46	DEL	DEL	DEL	DEL	92	A4	A4	A4	A4
						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 verification)

**ELECTRICAL DATA**

Input Power ..... +5 VDC @ 500 ma. typ.  
Data Output ..... 8 Bit ASCH (+ 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 ..... 0.150 in. (3.8 mm)  
Key Actuating Force ..... 1.50 oz. (0.42N)  
Keytop Color Nonenclosed Unit ..... Ink Brown (Cycloc 82741)  
Keytop Color Enclosed Unit White (Cycloc 2500) and Sea Mist (Cycloc 20779)  
Switch Reliability ..... 100 Million MCBF

**CONNECTOR DETAIL**

**Nonenclosed Unit:**

Serial Port:

PIN	FUNCTION
1	-5 VDC
2	Output
3	Ground
4	Chassis Ground
6	Input

(Parallel port (Card-Edge/ Header):

PIN	FUNCTION	PIN	FUNCTION
	+5 VDC	A/2	Ground
3/4	B0	F/10	Clicker
4/5	B1	H/12	LED 1 & 2
5/6	B2	J/13	LED 3
6/7	B3	K/17	LED 4
7/11	B4	L/18	LED 5
8/14	B5	M/19	LED 6
9/15	B6	N/22	LED 7
10/16	B7	P/24	LED 8
14/25	Strobe	R/26	Chassis Ground

**Recommended Connector:**

Serial Port ..... Amp 1-87175-3 or equiv.  
Parallel Card-Edge ..... Amp 88373-4 (100 in. centers) or equiv.  
Parallel Header (Optional): ..... Berg 65845-019 or equiv.

**Enclosed Unit:**

PIN	FUNCTION
2	Serial output
3	Serial Input
4	Logic Ground
5	-5 VDC
6	Chassis Ground

Coiled, shielded cable supplied is 6 foot, 26 gauge which mates with DIN connector Switchcraft 57NC5F or equivalent.

**OPTIONS:**

An OPTION LIST is available with the keyboard drawing package which describes the options in detail. In most cases, the options can be installed by the buyer. If desired, Key Tronic can generate a custom dash number for a non-recurring charge which incorporates any options, including key colors and legends, which do not affect the PCB design. Since this would no longer be a standard item, please contact your local representative for unit price and delivery impact.

NOTE: Mounting and size differences will not allow a nonenclosed keyboard to be placed in a standard enclosure.

**ORDERING INFORMATION:**

When ordering, refer to Key Tronic part number 65-02441-001 for the nonenclosed keyboard and 55-02576-001 for the enclosed keyboard. For pricing and availability, consult our nearest representative located in principal cities, world wide.



P.O. Box 14687 • Spokane, Washington 99214  
Phone (509) 438-3000 • FAX (509) 438-1885