

Principal cities worldwide

MODEL L1696	KEYBOARD
77 KEY ASR-37 EXPANDED	
58 KEY ASR-37 EXPANDED	



STANDARD FEATURES

- Single +5 vdc input with TTL compatible outputs
- Gold flash for PCB connector
- N-key rollover
- Five mode ASCII encoded
- Time delay automatic repeat of all keys
- Two-shot molded gray keytops
- Sloped profile
- Off-the-shelf availability

OPTIONAL FEATURES

- PROM modification of the output codes

DESCRIPTION:

The 77 key Model L1696 provides the ASR 37 Teletype® format with all 128 ASCII characters plus a high speed numeric entry pad, five cursor control keys and four spare key positions for your custom use. This off-the-shelf design includes all of the standard features as well as the additional flexibility of inexpensively incorporating the optional features listed on this data sheet.

The keyswitches offer the standard travel and force of the popular electric typewriter. Capacitive switches assure 100 million minimum key-

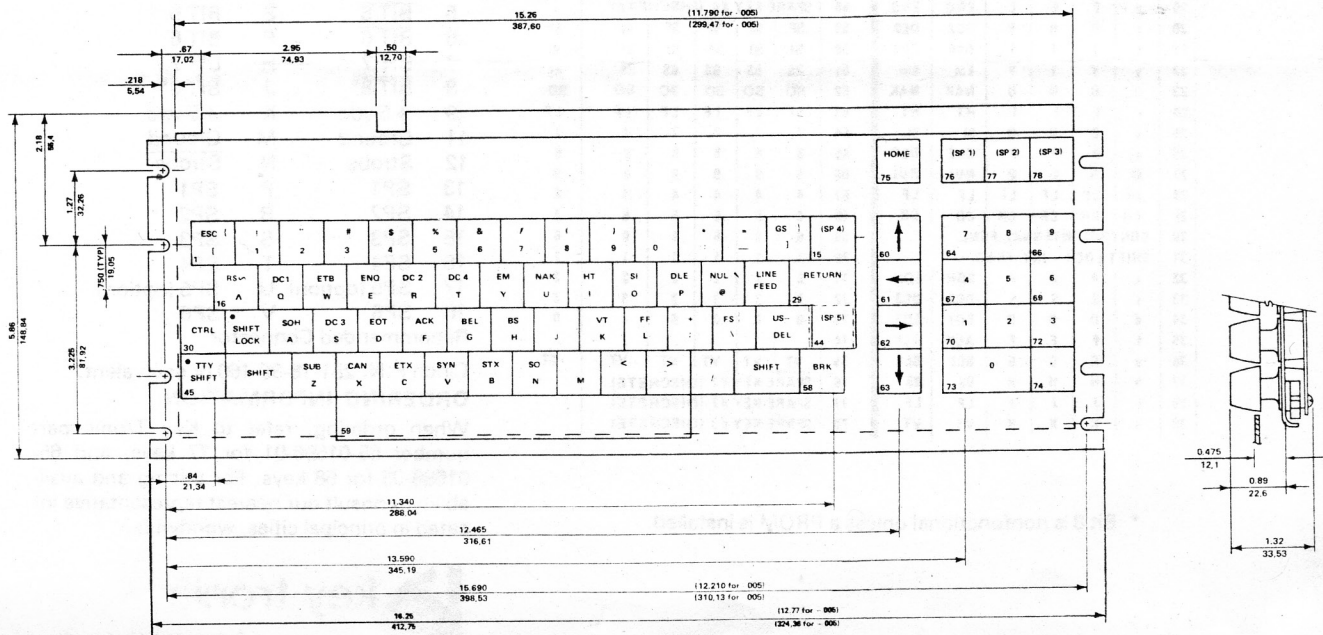
stroke reliability. N-key rollover allows high speed operation.

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 to fit your special requirements.

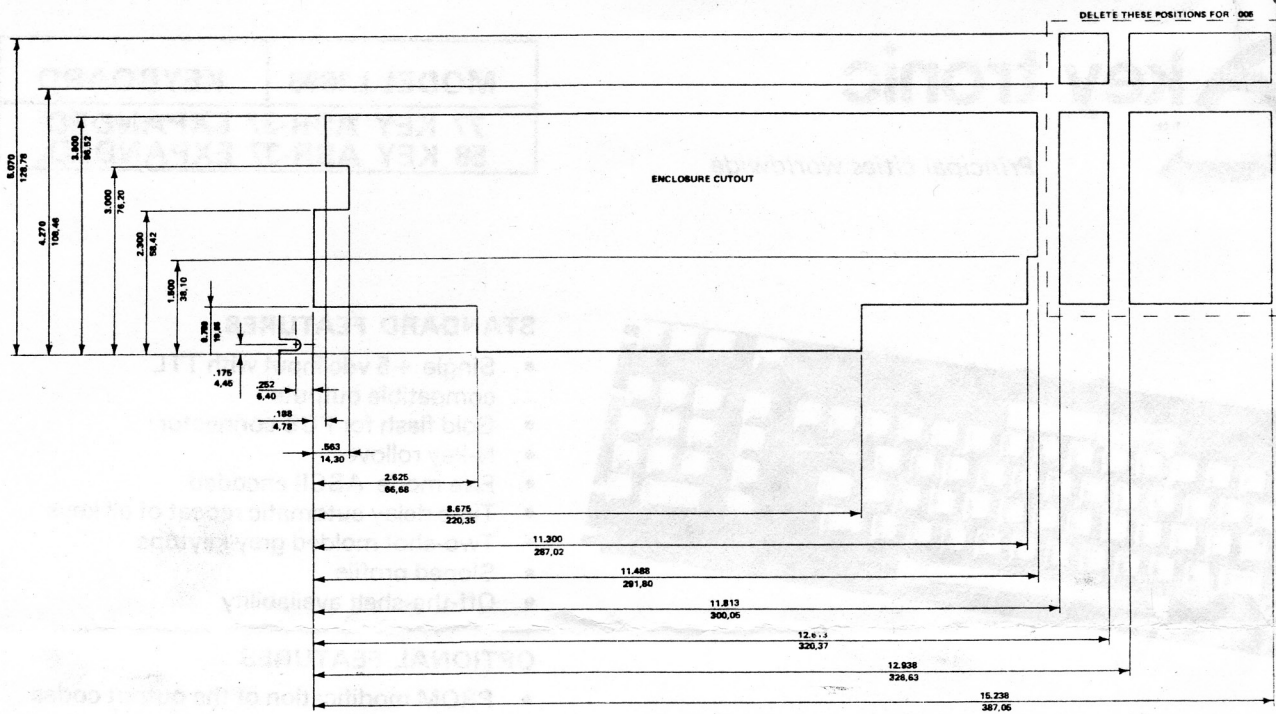
APPLICATIONS:

The Model L1696 can be used anywhere the ASR 37 format is required.

ASR 37



ASH 37



CODE CHART

TTY							TTY							
Key	Un-Shift	Shift	Un-Shift	TTY Shift	Control	Ctrl Shift	Key	Un-Shift	Shift	Un-Shift	TTY Shift	Control	Ctrl Shift	
1	[	{	[	{	ESC	ESC	40	I	L	L	L	FF	FF
2	1	!	1	!	!	!	41	:	+	:	+	:	:	
3	2	"	2	"	2	"	42	\	/	\	/	FS	FS	
4	3	#	3	#	3	#	43	DEL	—	DEL	—	US	US	
5	4	\$	4	\$	4	\$	44	SPARE KEY # 5 (Opt. N.A. on Std.)						
6	5	%	5	%	5	%	45	TTY LOCK - INTERNAL FUNC.						
7	6	&	6	&	6	&	46	SHIFT - INTERNAL FUNCTION						
8	7	'	7	'	7	'	47	z	Z	Z	Z	SUB	SUB	
9	8	(	8	(	8	(	48	x	X	X	X	CAN	CAN
10	9	)	9	)	9	)	49	c	C	C	C	ETX	ETX
11	0	0	0	0	0	0	50	v	V	V	V	SYN	SYN	
12	*	:	*	:	*	:	51	b	B	B	B	STX	STX	
13	-	=	-	=	-	=	52	n	N	N	N	SO	SO	
14	]	{	]	{	GS	GS	53	m	M	M	M	CR	CR
15	SPARE KEY #4 (DISCRETE)							54	<	<	<	<	<	<
16	^	~	^	~	RS	RS	55	>	>	>	>	>	>	
17	q	Q	Q	Q	DC1	DC1	56	/	/	/	/	/	/	
18	w	W	W	W	ETB	ETB	57	SHIFT - INTERNAL FUNCTION						
19	e	E	E	E	ENQ	ENQ	58	SPARE KEY #6 (DISCRETE)						
20	r	R	R	R	DC2	DC2	59	SP	SP	SP	SP	SP	SP	
21	t	T	T	T	DC4	DC4	60	SI	SI	SI	SI	SI	SI	
22	v	Y	Y	Y	EM	EM	61	BS	BS	BS	BS	BS	BS	
23	u	U	U	U	NAK	NAK	62	SO	SO	SO	SO	SO	SO	
24	i	I	I	I	HT	HT	63	LF	LF	LF	LF	LF	LF	
25	o	O	O	O	SI	SI	64	7	7	7	7	7	7	
26	p	P	P	P	DLE	DLE	65	8	8	8	8	8	8	
27	@	\	@	\	NUL	NUL	66	9	9	9	9	9	9	
28	LF	LF	LF	LF	LF	LF	67	4	4	4	4	4	4	
29	CR	CR	CR	CR	CR	CR	68	5	5	5	5	5	5	
30	CONTROL INTERNAL FUNC.							69	6	6	6	6	6	6
31	SHIFT LOCK - INT. FUNC.							70	1	1	1	1	1	1
32	a	A	A	A	SOH	SOH	71	2	2	2	2	2	2	
33	s	S	S	S	DC3	DC3	72	3	3	3	3	3	3	
34	d	D	D	D	EOT	EOT	73	0	0	0	0	0	0	
35	f	F	F	F	ACK	ACK	74	.	.	.	.	.	.
36	g	G	G	G	BEL	BEL	75	VT	VT	VT	VT	VT	VT	
37	h	H	H	H	BS	BS	76	SPARE KEY #1 (DISCRETE)						
38	j	J	J	J	LF	LF	77	SPARE KEY #2 (DISCRETE)						
39	k	K	K	K	VT	VT	78	SPARE KEY #3 (DISCRETE)						

* Bit 8 is nonfunctional unless a PROM is installed.

ELECTRICAL DATA

- Input power +5 vdc
- Rollover N key
- Data output 7 bit parallel ASCII (+ or - logic)
- Strobe Pulsed (+ or - logic)

MECHANICAL DATA

- Total key travel 0.171 in (0.434 cm) nominal
- Key force 2.5 oz. (70.88 gr) nominal
- Keytop color ... Dark gray (Cyclocac 3500) with black (Cyclocac 4500) Control keys
- Keyswitch reliability .. > 100 million MCBF

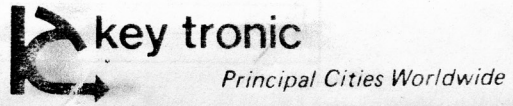
CONNECTOR DETAIL

PIN	FUNCTION	PIN	FUNCTION
1	BIT 1	A	BIT 1
2	BIT 2	B	BIT 2
3	BIT 3	C	BIT 3
4	BIT 4	D	BIT 4
5	BIT 5	E	BIT 5
6	BIT 6	F	BIT 6
7	BIT 7	H	BIT 7
8	BIT 8*	J	BIT 8*
9	+5 vdc	K	+5 vdc
11	Ground	M	Ground
12	Strobe	N	Strobe
13	SP1	P	SP1
14	SP2	R	SP2
15	SP3	S	SP3
16	SP4	T	SP4
17	SP5 (option)	U	SP5 (option)
18	SP6	V	SP6

Recommended Connector
Cinch P.N. 251-18-30-160 or equivalent.

ORDERING INFORMATION:

When ordering, refer to Key Tronic part number 65-01696-01 for 77 keys, and 65-01696-05 for 58 keys. For pricing and availability, consult our nearest representative located in principal cities, worldwide.



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