

G 80-0418



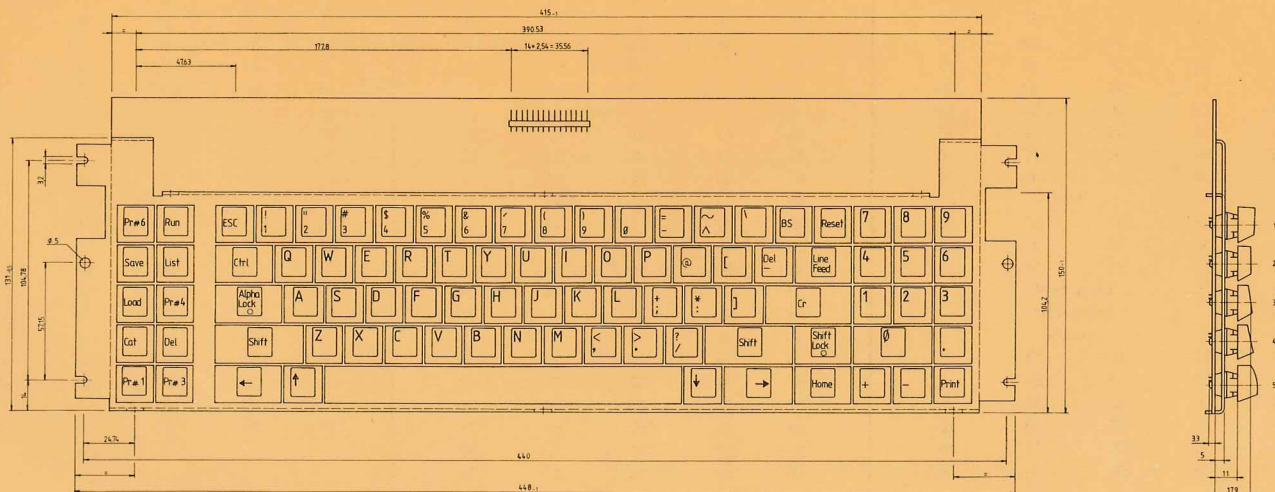
PC-Keyboard Apple-compatible



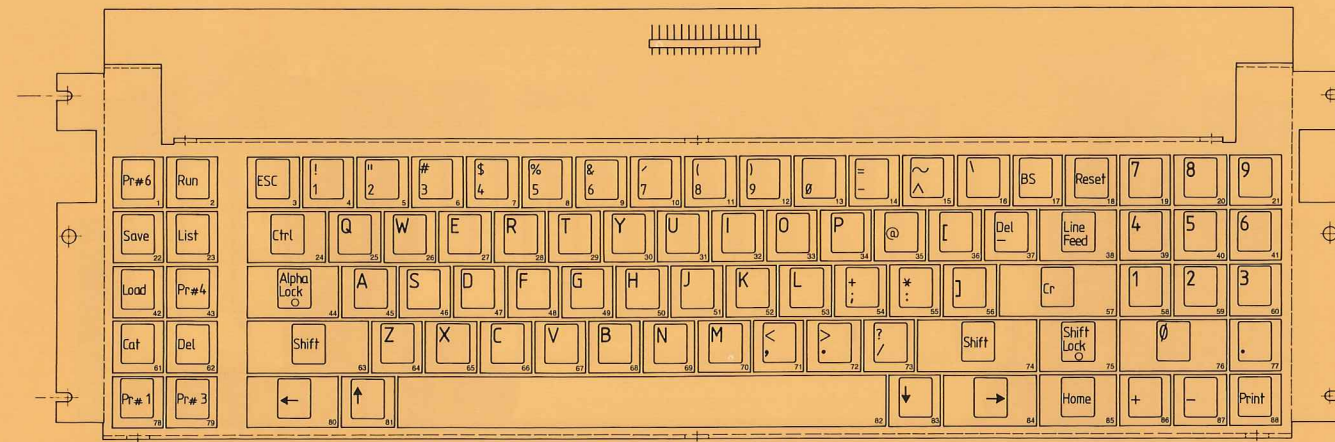
Standard Features

- Mechanical keymodules with gold crosspoint contacts (keymodule MX)
- Superlow-profile — 30 mm from enclosure base to center point at home row keycap top (3rd row)
- Dataoutput parallel
- Full ASCII code
- String for 10 keys
- Push/push operation
- Automatic repeat, after delay
- 4 mode operation
- Alpha- and Shift-Lock key with LED
- N-key Lockout
- **Standard keycap colors: beige (code L6); brown (Code N8)**

Keyboard also available with modern low-profile-housing including coiled cable and SUB-D-plug (G 80-0418 H)

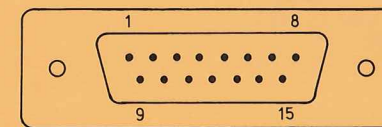


Keycap Layout



Connector pin- and SUB-D-plug- assignment

Pin	Assignment
1	VCC
2	GND
3	BIT 7
4	BIT 6
5	BIT 5
6	BIT 4
7	BIT 3
8	BIT 2
9	BIT 1
10	
11	STB
12	AKD
13	
14	BIT 8
15	RESET



Mechanical data

Total travel	4 — 0.4 mm
Pretravel	2 ± 0.6 mm
Movement differential	—
Actuating force	60 ± 20 cN
Lifetime	2 x 10 ⁷ operations

Cable

Coiled cable, 1,5 m length, with 15 pole SUB-D-plug

Codes

Codes (Hex)					Codes (Hex)					Codes (Hex)				
Key No.	Unshift	Alpha	Shift	Control	Key No.	Unshift	Alpha	Shift	Control	Key No.	Unshift	Alpha	Shift	Control
1		String: PR #6			31	75	55	55	15	61		String: CATALOG		
2		String: RUN			32	69	49	49	09	62	7F	7F	7F	7F
3	1B	1B	1B	1B	33	6F	4F	4F	0F	63		Shift left		
4	31	31	21	31	34	70	50	50	10	64	7A	5A	5A	1A
5	32	32	22	32	35	40	40	60	00	65	78	58	58	18
6	33	33	23	33	36	5B	5B	7B	1B	66	63	43	43	03
7	34	34	24	34	37	5F	5F	7F	1F	67	76	56	56	16
8	35	35	25	35	38	0A	0A	0A	0A	68	62	42	42	02
9	36	36	26	36	39	34	34	34	34	69	6E	4E	4E	0E
10	37	37	27	37	40	35	35	35	35	70	6D	4D	4D	0D
11	38	38	28	38	41	36	36	36	36	71	2C	2C	3C	2C
12	39	39	29	39	42		String: LOAD			72	2E	2E	3E	2E
13	30	30	30	30	43		String: PR #4			73	2F	2F	3F	2F
14	2D	2D	3D	2D	44		Alpha-Lock			74		Shift right		
15	5E	5E	7E	1E	45	61	41	41	01	75		Shift Lock		
16	5C	5C	7C	1C	46	73	53	53	13	76	30	30	30	30
17	08	08	08	08	47	64	44	44	04	77	2E	2E	2E	2E
18		Reset			48	66	46	46	06	78		String: PR #1		
19	37	37	37	37	49	67	47	47	07	79		String: PR #3		
20	38	38	38	38	50	68	48	48	08	80	08	08	08	08
21	39	39	39	39	51	6A	4A	4A	0A	81	0B	0B	0B	0B
22		String: SAVE			52	6B	4B	4B	0B	82	20	20	20	20
23		String: LIST			53	6C	4C	4C	0C	83	0A	0A	0A	0A
24		Control			54	3B	3B	2B	3B	84	15	15	15	15
25	71	51	51	11	55	3A	3A	2A	3A	85	0F	0F	0F	0F
26	77	57	57	17	56	5D	5D	7D	1D	86	2B	2B	2B	2B
27	65	45	45	05	57	0D	0D	0D	0D	87	2D	2D	2D	2D
28	72	52	52	12	58	31	31	31	31	88	3F	3F	3F	3F
29	74	54	54	14	59	32	32	32	32					
30	79	59	59	19	60	33	33	33	33					

Electrical data

Power supply:	+ 5V ± 5 %
Data output:	parallel, 7 bit, positive logic, TTL-compatible (Output 60 LS-TTL) Memory of last actuated keyswitch.
Strobe:	positive pulse, approx 15µs, TTL-compatible (Output 7 TTL)
Any Key Down:	Output is switched to »high« and stays until no more key depressed. (Output 7 TTL)
Reset:	When key Ctrl, Shift and Reset are depressed, the output is switched to »Low«. (Output 7 TTL)
Shift Lock Function:	Shift Function is indicated by LED. Remains unchanged until second actuation (Reset).
Alpha Lock Function:	Depressing Alpha Lock Key switches the alpha-field into Shift function. Indicated by LED. Cancel same as with Shift Lock.
Priority of modes:	Control Key has priority against Shift- and Alpha Lock function.
Automatic Repeat Function:	Frequency 10 Hz after 0,5s delay against 1st strobe.
Keyboard operating sequence:	n-key-Lockout
Connector:	Connector 15 pins »AMP«-No. 1-825437-5 or equivalent
Temperatures:	Storage temperature: — 40°C to + 70°C Operating temperature: 0°C to + 65°C

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