

G 80-1300

**Terminal Keyboard with
serial Interface.**



Main Advantages

- Superior Cherry MX keymodules with »Gold Crosspoint« contacts.
- Precision contacts eliminate input errors.
- Life of each keymodule > 50 x 10⁶ operations.
- Serial interface.
- With housing and cable.
- Mechanically strong construction.
- Easily operable with ergonomic »Cylindrical Style« keyboard layout.
- Reliability: MCBF = 1 x 10⁹ operations.
MTBF ≥ 20.000 hours.
- 4 mm full travel keyswitches.
- »Deep Dish« for homekeys F and J and dimple on key 5 of numeric pad assure easy location of fingers when touch-typing.
- 2-shot moulded matt keycaps are wear resistant and easy to clean.
- Keycaps in light body color with darker legends (beige-grey, white-grey).
- Material conforming to UL 94.

Important Features

- Mechanical keymodules with »Gold Crosspoint« contacts.
- Low profile design, minimum height.
- The 105 keys are subdivided as follows:
Block of alphanumeric keys
Block of numeric keys
Block of special function keys
Block of keys for editing
- Asynchronous data format.
- Power supply +12V.
- Autorepeat after delay.
- Automatic repeat function.
- Keylayout: US-English, German or French. Additional versions upon request.
- Keyboard self-diagnostic test.
- Different volume levels for keyclick and bell.
- Standard keycap color: beige-grey (code U9), white-grey (code L9).
- Electro Magnetic Compatibility (EMC):
– ESD (according to IEC 801-2): 15 KV
– RFI/EMI: – Post-Vfg. 1046/1984 (VDE 0871, Class B).
– FCC Part 15, Subpart J, Class B.
- Safety: VDE 0806
DIN IEC 380
UL 478
CSA C 22.2 No. 220
- Ergonomy: ZH 1/618

Electrical Specifications

Power supply:
+ 12V/± 5%

Interface:
RS 232
Bidirectional, serial asynchronous. The keyboard communicates via Rx D and Tx D data line with the system.
Baud rate: 4800 Baud.

Data format:
Data transfer to and from the keyboard via data lines Rx D and Tx D.

Data word:
1 Startbit, 8 Databits, 1 Stopbit.

Keyboard sequence:
Full-N-Key-Rollover.

Keyboard buffer:
14 keycodes.

Codes:
Selectable through system. Each key produces a code on opening and closing or only on closing.

Autorepeat function:
All keys have an autorepeat function. Delay time and repeat frequency may be changed through the system.

Power ON reset:
The keyboard generates an automatic power ON reset.

Keyboard self-diagnostic test:

The keyboard performs a self-diagnostic test after power ON and upon request from the system. After successful completion of the test the keyboard transmits a code sequence (4 bytes). The code sequence includes a »ready or failure announcement«.

Emulation:

Keyboard periphery (LEDs, buzzer), autorepeat and mode change-over are emulated by the system.

Mode change-over:

Three different keymodes are possible:

Autorepeat down

Down/up

Down/only

The modes can be allocated, independantly from one another, to 14 different groups of function keys.

Storage temperature: -40° C (-40° F) to +65° C (+149° F).

Working temperature: 0° C (32° F) to +50° C (+122° F).

Pin Assignment (onto PCB)

Pin	Assignment
1	RxD
2	GND
3	TxD
4	+12V
5	shield

4 Pin Telephone-Type Modular Plug

Pin	Assignment
1	RxD
2	GND
3	+12V
4	TxD

Pin Connector (or solder spots)

AMP II Nr. **925437-6** or equivalent

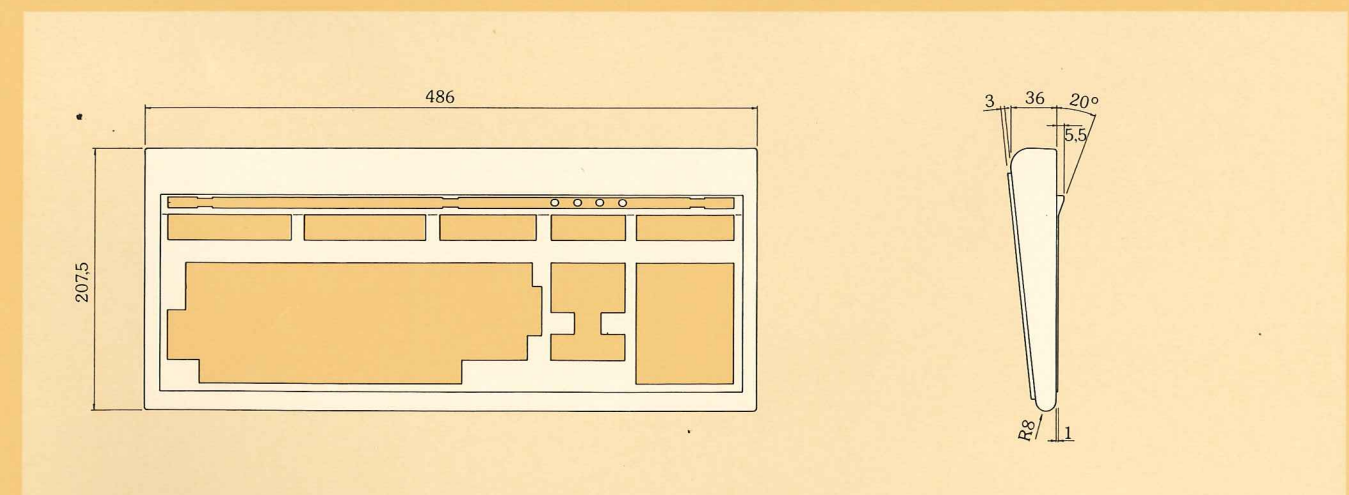
Keyboard Cable

2m coiled cable with 4 Pin Modular Plug
AMP Nr. **469268-2** or equivalent.

Keyboard Part Numbers

US-English	German	French
G80-1300 HAU	G80-1300 HAD	G80-1300 HAF

Housing Dimensions



Cherry Program

Keyboards of high technology and excellent quality.

With high switching reliability even for speed-typing. Standard or customized, intelligent or non-encoded versions. Connectable to all popular EDP systems. Modern design. Harmony in colors. Variety of sizes and heights. With cable or infrared link. Ergonomic styling. With or without housing.



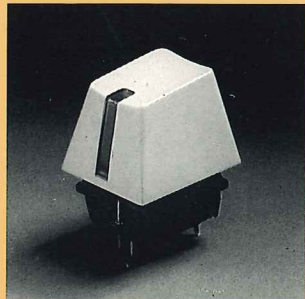
Thumbwheelswitches with assured security and long life.

Available in many standard and customized codes. Thumbwheel-, leverwheel- or push-version. Gang assemblies. Solderpins, connectors or plain soldering. Standard-, miniature- and subminiature-sizes. Also illuminated by LEDs or lamps. Customized lettering and stop limitation is available.



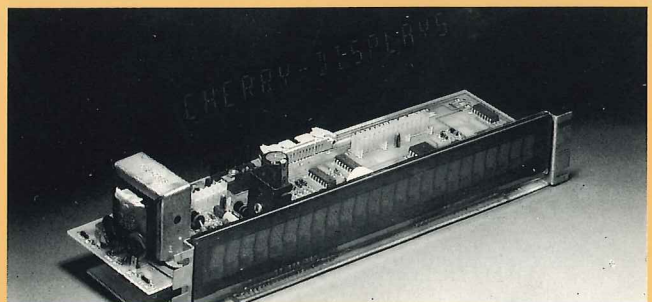
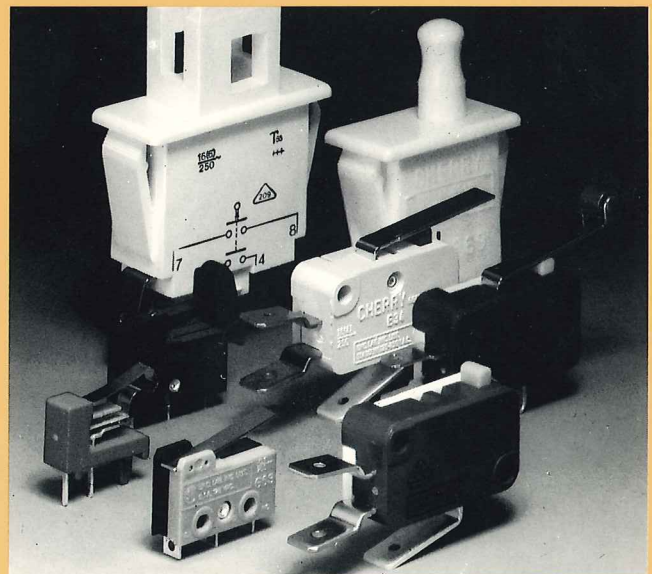
Snap action switches for the future.

For precise switching and highest reliability. Large scale of standard and non-standard models. Many different connecting possibilities. Standard-miniature and subminiature sizes. And a large number of auxiliary actuators.



Keymodules. For high technology keyboards.

M8, M9, MX. Keyswitches with exceptional performance. High switching reliability by gold-crosspoint contacts. Low profile design. Excellent touch feeling. Variety of keycap styles and colors. Ideal for ergonomically designed keyboards.



Ready-to-use alphanumeric displays with excellent reading ability.

With absolute and continuous brightness of all letters. Stable display picture. Big lettersize. Long life. With or without housing available.

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Cherry Mikroschalter GmbH

19 Cherrystrasse Phone: (096 43) 18-0
P. O. Box 1220 Telex: 631635 cher d
D-8572 Auerbach/Opf. Telefax: (096 43) 18-262

Cherry Electrical Products Ltd.

Coldharbour Lane
Harpenden, Herts.
GB-AL5 4UN

Cherry Sàrl

1, Avenue des Violettes
Z.A. des Petits Carreaux
F-94384 Bonneuil/M. cedex

Phone: 1-43-77-29-51
Telex: 262657 cher f
Telefax: 1-43-77-20-84

Cherry Electrical Products Corporation

3600 Sunset Avenue
Waukegan, Illinois
USA-60087

Phone: 312-662-9200
Telex: (910) 2351572
Telefax: 312-360-3566



Cherry 1600

**IBM*-MF-compatible
Keyboard with integrated
Barcode Decoder.**

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