



# G80-2550

## IBM\*-MF Compatible Keyboard with 3270-Terminal Emulation.

\* IBM is the registered trademark of the International Business Machines Corporation.





### Salient Features.

The Cherry MX 2250 combines the functions of an MF-II keyboard for personal computers with those of a data entry device for the IBM-3270 terminal family.

The Cherry MX 2250 was especially developed with all those users in mind who work in terminal emulation mode in networks but don't want to give up the convenient features of their PCs. It is above all this group that can expect to benefit greatly from the MX 2250.

### Outstanding Advantages.

- Space savings, since only one computer and one keyboard are needed for both functional modes.
- More cost-effective than a configuration comprising two computers.
- All of the convenient features offered by PCs, e. g. MS-DOS, Windows,

word processing, spreadsheets, etc. can be accessed using the same keyboard.

- Unproblematic data exchange between mainframe and PC systems. For instance, downloaded mainframe data can be used to generate statistics and graphics for diverse applications (presentations, etc.)

### Technical Specifications Electronics

Power supply:  
+ 5 VDC ± 5%, current consumption 200mA

Interface:  
Bidirectional, serial asynchronous. The keyboard communicates with the system via the clock and data lines.

Data format:  
Data transfer is performed in IBM format, each package consisting of 11 bits: 1 start bit, 8 data bits, 1 parity bit and 1 stop bit.

Scan codes:  
Each key generates a scan code when pressed. When a key is released, it generates two codes: QFQ hex, followed by the same code that is generated when pressed.

Autorepeat:  
All keys are equipped with an autorepeat function. The delay time and repeat frequency can be changed by the system.

Data memory:  
All codes are buffered prior to being output.

The Cherry MX 2250 is available on request in a variety of different language versions, Customer-specific versions can also be supplied.

### Mechanical Data

Housing dimensions (L x W x H):  
518 x 216 x 69 mm  
(20,4" x 8 1/2" x 2,3")

Linear feel of keyswitch actuation.

Tried-and-proven Cherry MX keymodules with gold crosspoint contacts.

Temperature ranges  
Storage: - 25° C to + 65° C  
(- 13° F to 149° F)  
Operation: 0° C to + 50° C  
(32° F to 122° F)

### Approvals:

UL, CSA

### Environmental Impact

- Only fully recyclable plastics made without CFCs are used in the keyboard.
- No solvents employed.
- Environmentally compatible designs to reduce raw material inputs (resource conservation).
- Modern manufacturing techniques to cut down on energy consumption.
- Environmentally friendly packaging (100% recyclable cardboard).

### Important Notice for Users

All information contained in this brochure is valid at the time of printing only. We reserve the right to make technical changes without notice.

We generally recommend that you request confirmation of the currently valid technical status of the products in the form of a drawings or specifications. The indicated data and texts are intended exclusively to describe the products, and do not constitute any legal guarantee whatsoever of any attributes or characteristics.

The life of products and the definitions applied to technical information are based on tests that have been performed in-house by Cherry along the lines of generally acknowledged standards and /or codes. If products are to be used under conditions deviating from those of the tests, then it is up to the user to make sure that they operate reliably under the actual conditions of use. We are willing to provide assistance for this from case to case.

Improper handling, storage, manipulation and further processing can result in defects, damage and disturbances during use.

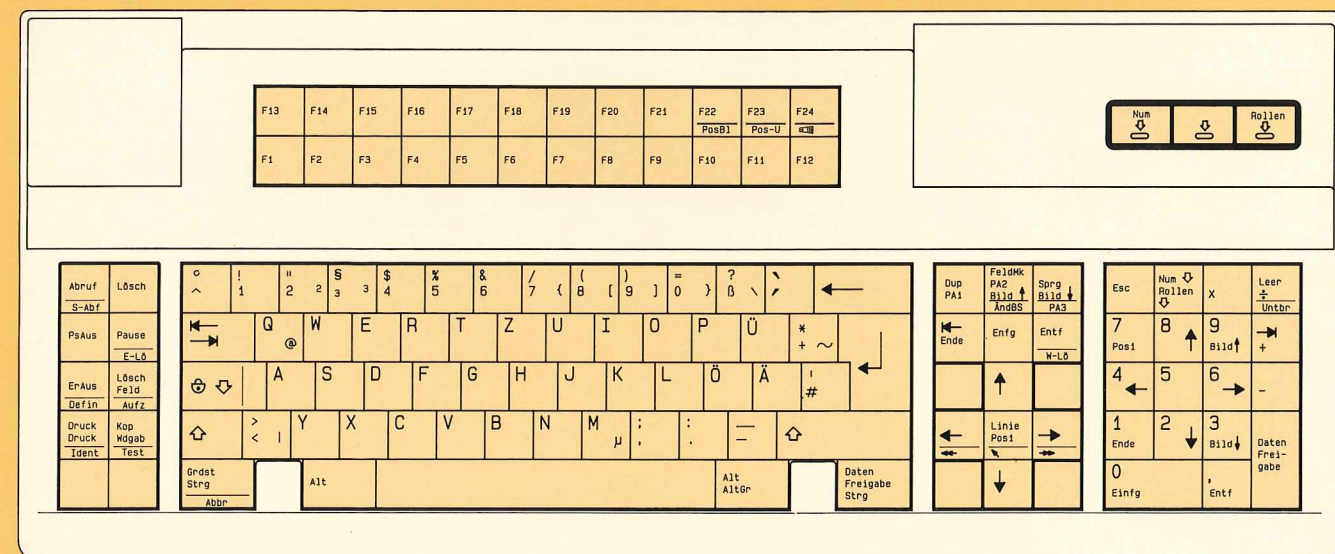
We call attention to the fact that we disclaim any and all warranties and liability in the event that our

products are changed by users, unless such changes have been explicitly approved by us in writing for the specific application in question. This applies in particular whenever repairs and maintenance work have been improperly carried out.

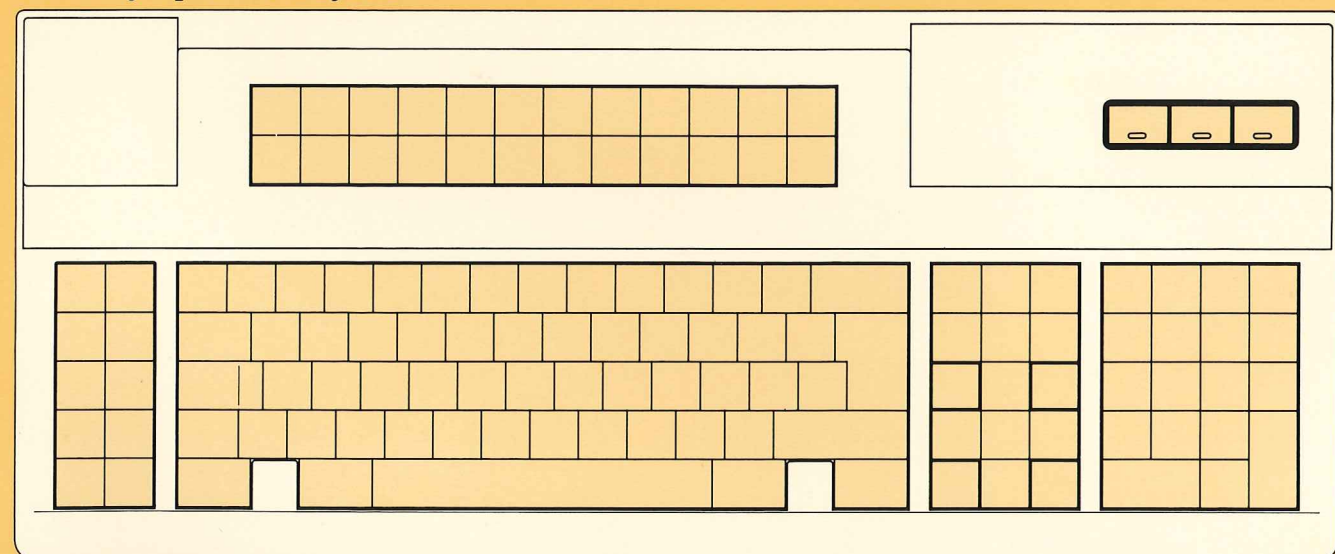
No damage claims against us – no matter on what legal grounds – are admissible unless we are found guilty of wilfulness or gross negligence. However, this restriction does not apply to claims for damages asserted under the terms of the Product Liability Law.

With the issue of this brochure, all previous brochures covering the products described therein lose their validity.

### US-English Layout



### Country Specific Layout



For detailed information regarding specific country layouts please refer to our brochure "Multi Function Keyboard Layouts".



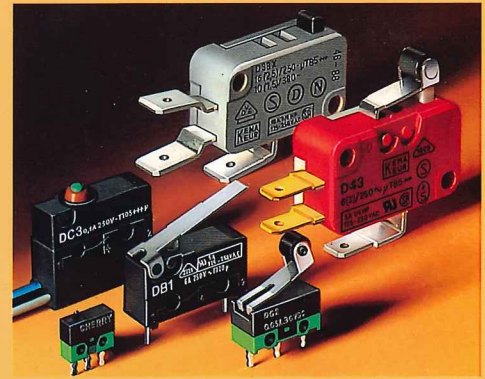
## Electrotechnical und Electronic Products for the Future.

### Keyboards of high technology and excellent quality.

With high switching reliability even during speed typing. Standard or customized, intelligent or non-encoded versions. Connectable to all popular EDP systems. Modern design. Harmonious colours. Variety of sizes and heights. Ergonomic styling. With or without housing.

### Keymodules. For high technology keyboards.

M 8, M 9, MX. Keyswitches with exceptional performance. High switching reliability through «Gold Crosspoint» contacts. Low profile design. Excellent touch feeling. Variety of keycap styles and colours. Ideal for ergonomically designed keyboards.



### Selector switches with proven reliability and long life.

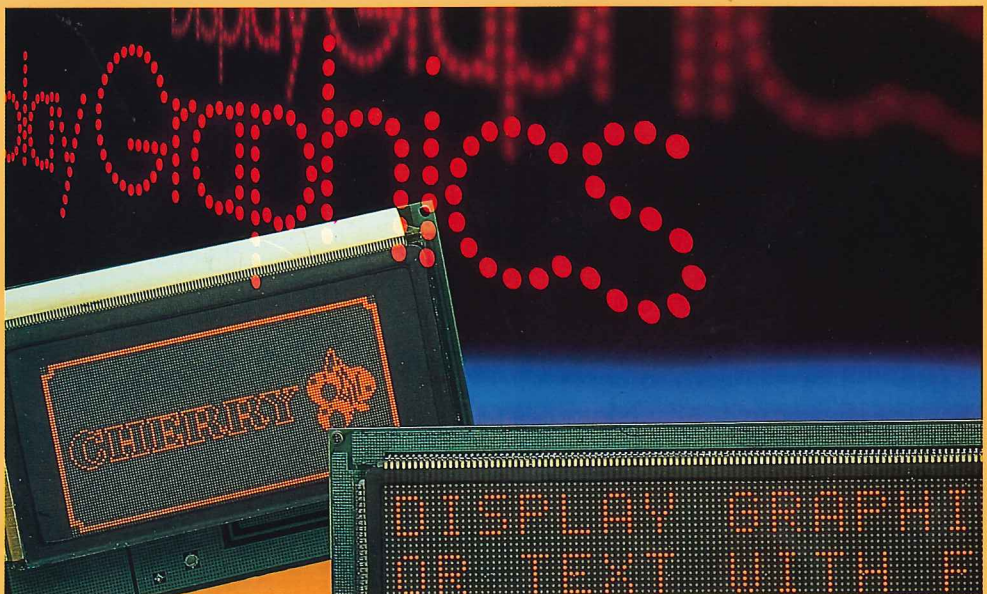
Available in many standard and customized codes. Thumbwheel, leverwheel or pushwheel versions. Gang assemblies. Solderpins, connectors or plain soldering. Standard, miniature or subminiature sizes. Also illuminated through LEDs or lamps. Customized lettering and stop limitation available.

### Snap switches for the future.

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

### New generation displays.

For text and graphic applications. With continuous brightness of all letters. Stable display picture. Long life. Slim profile. Light weight. Low power consumption.



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