www.tastaturen.com®

Custom keyboards

Our wide range of keyboard modules and controllers allows us to provide you with an easy, fast and inexpensive solution to your keyboard needs.

Characteristics of Longtravel Keyboards

Longtravel keyboards are easy and reliable to use. Special Features are:

- The main advantage of long-travel keyboards is the key travel of around 4mm which provides good tactile feedback.
- The ease of operation and the long operating life of up to 50 million switchings makes this technology ideal for data entry.
- The Ergonomics are better than any other technology.
- The keycaps can be shaped, arranged, and even colour-coded to offer an ideal man-mashine interface.
- Keycaps come in many shapes and sizes to allow the designer to develop a special keyboard for all uses.
- The keycaps are normally lasered to obtain a durable lettering that can't rub off.
- Special plastics allow the lasered lettering on dark keys to become lighter and darker on light keycaps.

Assembly of a keyswitch:

- The mechanical assembly of the Cherry MX-keyswitch we use is very durable. The cross-fitting assures the good fit of the ceycap on the switch.
- The housing of the swich has integrated clips to allow it to be easily fastened to a key plate. This carrier plate is usually made of steel and keeps mechanical forces away from the PCB to which the keys are souldered.
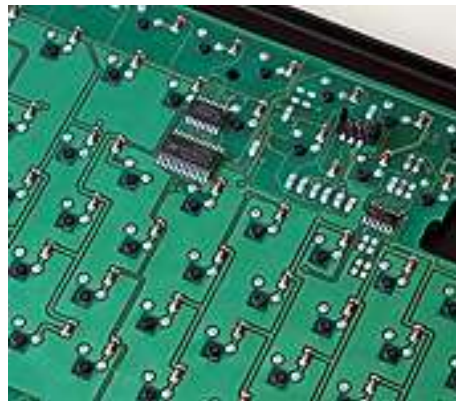
Possibilities of changable lettering:

- Keycaps with transparent caps allow the changing of the lettering. Pieces of paper are inserted between the keycap and the clear cap.
- The advantage of this type is the possibility of simply coloring the backgrounds and the lettering at will.

Integration of a single key into a layout:

- The keys can be arranged in any way desired, providing the keyswitches have the appropriate fittings and ample distances between them.
- Single keys can be replaced on a standard keyboard to emphasise their special funcitons such as the F-Keys
- Language versions can be changed.
-
- The key plate also serves as mounting plate and can be mounted into a housing or to a front plate of a rack system or the like.
- The PCB contains the matrix to which the keys are connected. This matrix is a grid of rows and colums which are scannes by the controller.

- The seitches form the junction between the rows and the colums. As soon as a key is [Presse]d these paths are connected and tell the controller which key os pressed.

Modules

- The controller can be connected to the matrix externally or it can be directly integrated onto the PCB.
- GeBE's specialty is the integration of other components such as displays, touchscreens, [Trackball]s and other equipment onto the PCB.

Perfectly designed housings

- GeBE's own design department designs housings to encorporate simple keyboards as well as complex enclosures for input/output systems.

sales@www.tastaturen.com **Anrufen:** (0 89) 89 43 99-0 **Faxen:** (0 89) 89 43 99-11