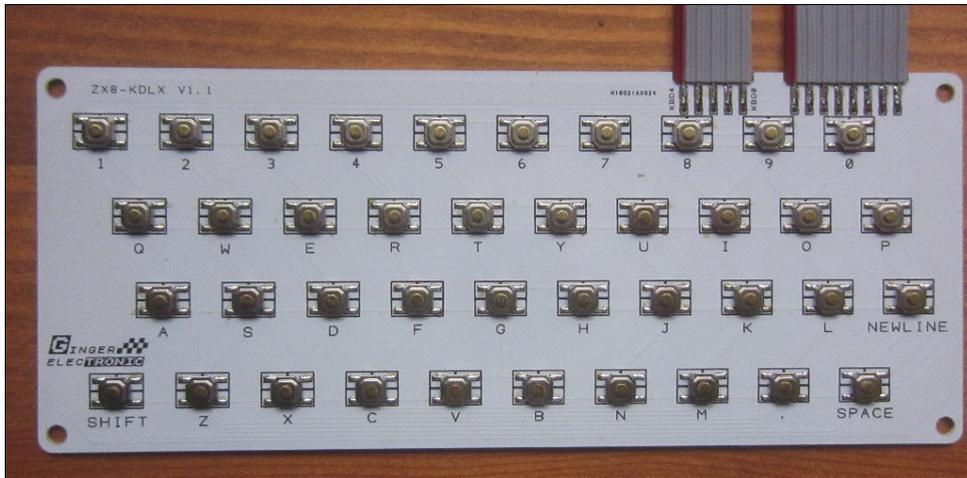
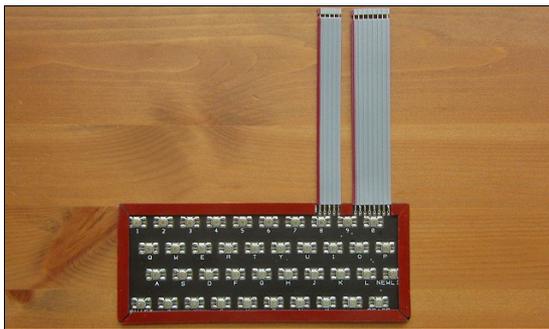


ZX8-KDLX

ZX8-KDLX is a replacement pcb keyboard for ZX80 and ZX81 with low force SMD tactile switches for easy type feeling.



First the 40 tactile switches have to be soldered to the board. Highly recommended are switches of type Alps SKQGAFE010 which are easy to press with only 1 newton/100 gram force. Then the cables are mounted, recommended are flat cable with 2.54mm (1/10 inches) pitch and rigid w. Best choice would be MOLEX jumper cables from series 25001.



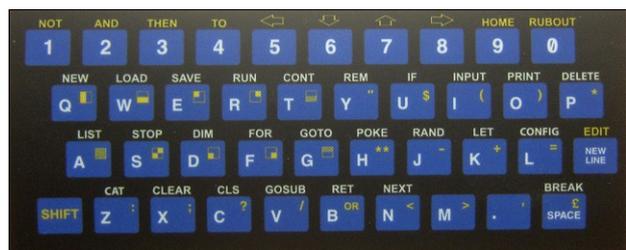
The top cover can easily be stuck onto the pcb board with double faced adhesive tape used for mirrors, a small one with 6mm or 1/4 inches would be perfect. These kind of tapes matches best the height of the ALPS switches.

There are 2 different top covers for the keyboard depending on the system they are used for, ZX80 or ZX81 cover. Please stick the cover with care and avoid sticking it with too many pressure as this can

block some switches resulting in a non working keyboard (stuck key).

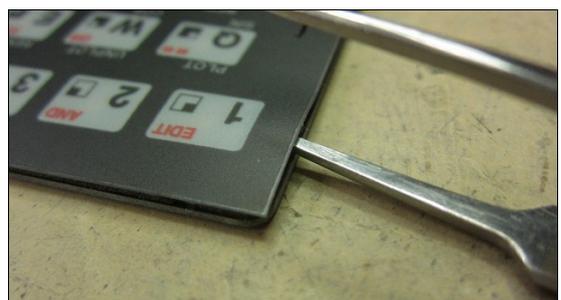


ZX81 top cover

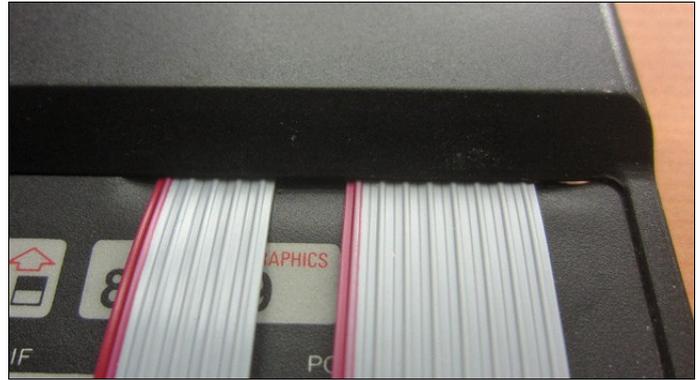


ZX80 top cover

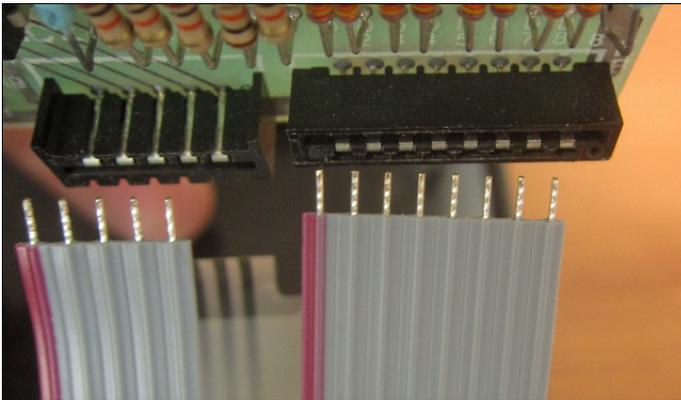
The most exposed keys for a stuck are the corner keys „1” and SHIFT as they are possibly forced down from 2 sides. If the keys are not free to press in the same way as the other keys, the pressure can be relaxed with a small, spiky tool like the tip of a tweezer shown in the picture and carefully moved between board and adhesive tape and widen the tape by lifting it softly. Be careful and avoid damage the cover with a sharp tool like a knife.



The keyboard is now ready for use and can be mounted on a ZX81 for example like shown in the picture. The flat cables can be moved in the plastic cover in the mouth easily while the original membrane can be pulled down softly with a screw driver. The original membrane can be removed first but this is not must.



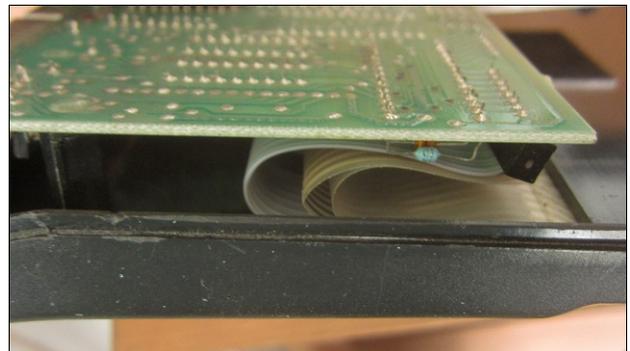
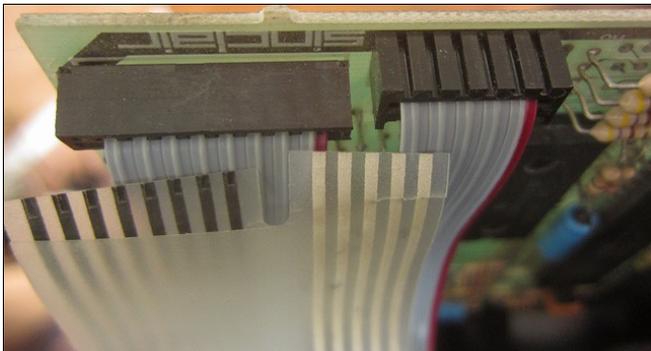
The board can be put on top of the old membrane as well and this allows the usage of the replacement keyboard with a working membrane. This offers the option to remove the membrane at a later point to keep the system original. The board may be fixed with a small stripe of normal double faced adhesive tape at the bottom.



The other end of the jumper cables can be plugged easily in the MOLEX connectors from the ZX81. The cables should be moved carefully in the middle of the contacts and then just moved against the connector with a little pressure.

Be sure to keep the cable in the middle as it will not be kept in the connector or may give bad contact when moved to the left or right while plugging it into the connectors.

Finally the jumper cables can be carefully bended in a curved way to best fit into the case with the ZX81 main board.



Congratulations, mounting is finished.



ZX8-KDLX is a product of ginger-electronic.com