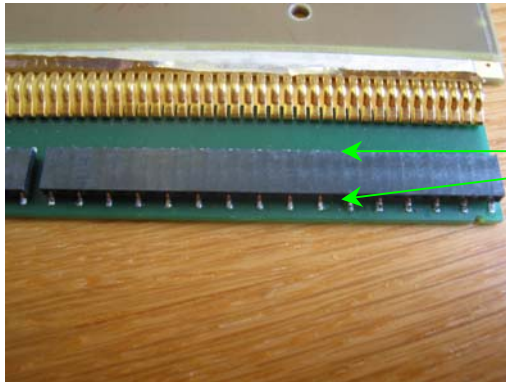


## **How to disconnect faulty channels from LHCb OT-modules:**

To disconnect a faulty channel from LHCb OT-modules the female connector on the feedthrough-board is disconnected and a piece of Kapton (~100µm thickness) is glued on top of the solder pads to avoid sparking between the male connector and the solder pad.

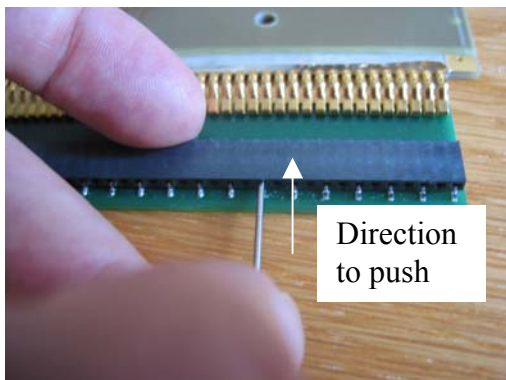
The procedure is the following:

- 1.) Cut the pins of the female connector soldered to the pads by means of a wire cutting plier. Remove residuals from the solder and the pin.



Cut pins of connectors

- 2.) Remove inner spring of female connector by pushing it e.g. by means of a 1mm drill bit. You have to push towards the springs on the feedthrough board, used for grounding.



Remove inner spring of female connector

- 3.) Clean the PCB with alcohol.
- 4.) Glue Kapton foil (thickness: ~100µm, dimensions: ~6mm x 15mm) on top of the solder pads. It has to be ensured that the glue used keeps the high voltage. E.g. Araldite 103 can be used for that application.

