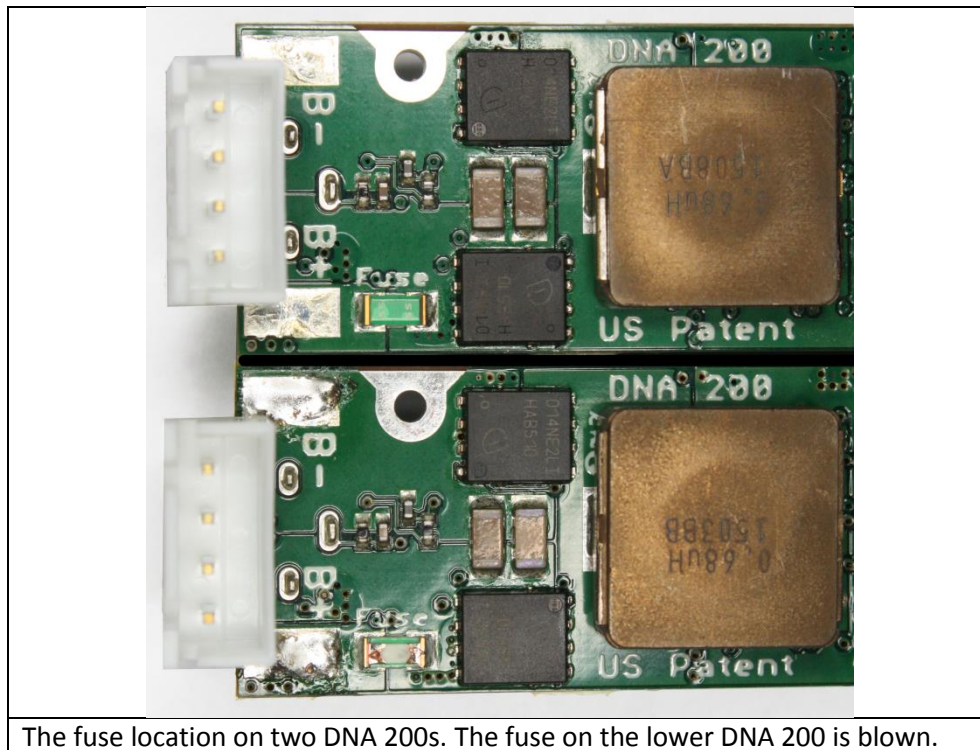


Fuse

Because of the energy and power stored in the battery, the DNA 200 includes an onboard 25 amp SMT fuse. The fuse is located on the underside of the PCB near the B+ battery terminal, and is labelled “Fuse”

In normal operation the fuse should never blow. However, in the event of an error or short circuit on the board, the fuse will protect the battery. Should it need to be replaced, the fuse is manufactured by Schurter , part number 3413.0332.22

Replacement is accomplished by de-soldering the blown fuse from the board and soldering on a new fuse.



The fuse location on two DNA 200s. The fuse on the lower DNA 200 is blown.

DNA 200 is designed for battery packs that are permanently installed into the device, or battery packs that install using an insulated, polarized connector rated for at least 25 amps. If the battery pack is installed with the polarity reversed, the fuse will blow to protect the battery pack, board and user.

If you are manufacturing a device that is designed to be used with three individual replaceable 18650 cells, an accessory board is available from Evolv to adapt from three individual cells to a pack and tap connector pinout, as well as provide cell-by-cell protection against incorrectly installed or reversed cells.