



# DCC-100 PCIe

PCIe compatible detector control module for single photon counting experiments

## Installation guide line

DCC-100 PCIe is the PCI express (PCIe) version of the bh detector control module DCC-100. DCC-100 PCIe can be used in PCIe 1x slots of 2<sup>nd</sup> and 3<sup>rd</sup> generation.

### Caution:

The PCIe interface alone does not provide sufficient power to the module. Thus, the module must be connected to the power supply of the PC via a floppy type power connector (Fig. 1).

**Without this power supply** it is likely that the DCC-100 PCIe card will be recognized in the system, but it will not deliver the selected signals at its outputs. The user will have the impression that the module is broken.

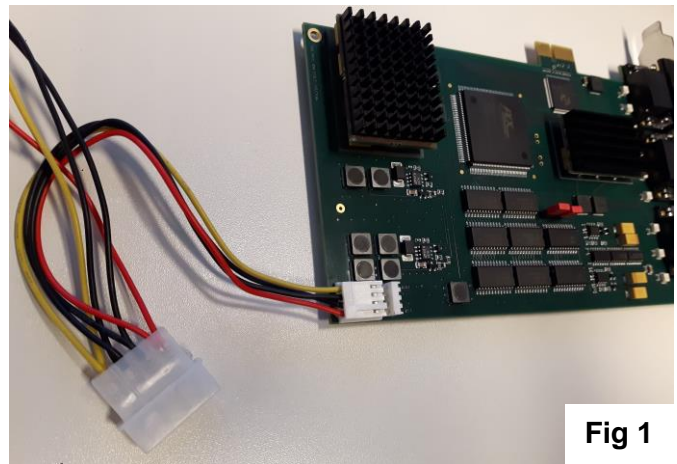


Fig 1

### How to connect:

- 1.) Plug the card into the PCIe card slot
- 2.) Connect the DCC-100 PCIe card with the standard floppy drive power cable as shown in Fig. 2. At many power supplies such a connector is already available. If not please use the adapter delivered with card.

**Caution:** This additional power cable has a non-interchangeable plug-in connection (standard floppy power supply). Please take care that the connection has to be done without using excessive force.

**Do not reverse polarity!**

- 3.) After full installation of your system, start the SPCM software. The DCC-100 PCIe should be automatically recognized. If not, please go to “Devices -> DCC-100 Detector Control”. In the DCC-100 panel click on “Use DCC” checkbox.

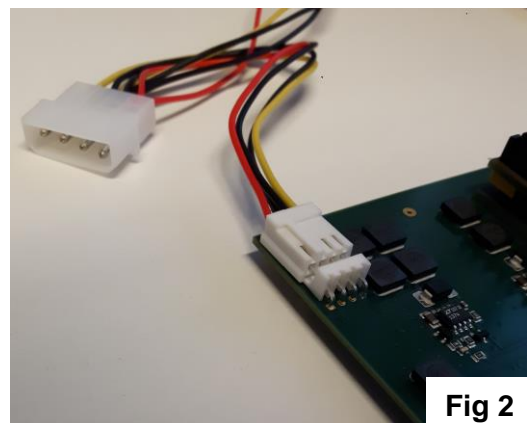
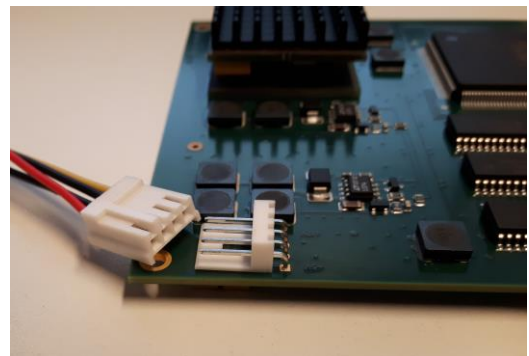


Fig 2

