

# e4 - connection diagram



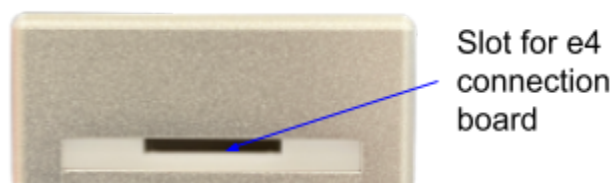
## Revision History

Date	Version	Description
09/04/2021	1.0	New document format

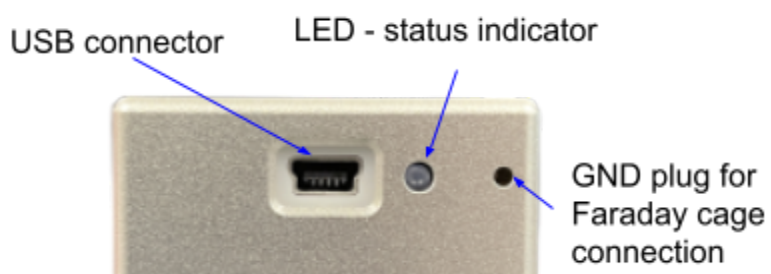


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## e4 front-side connections



## e4 back-side connections

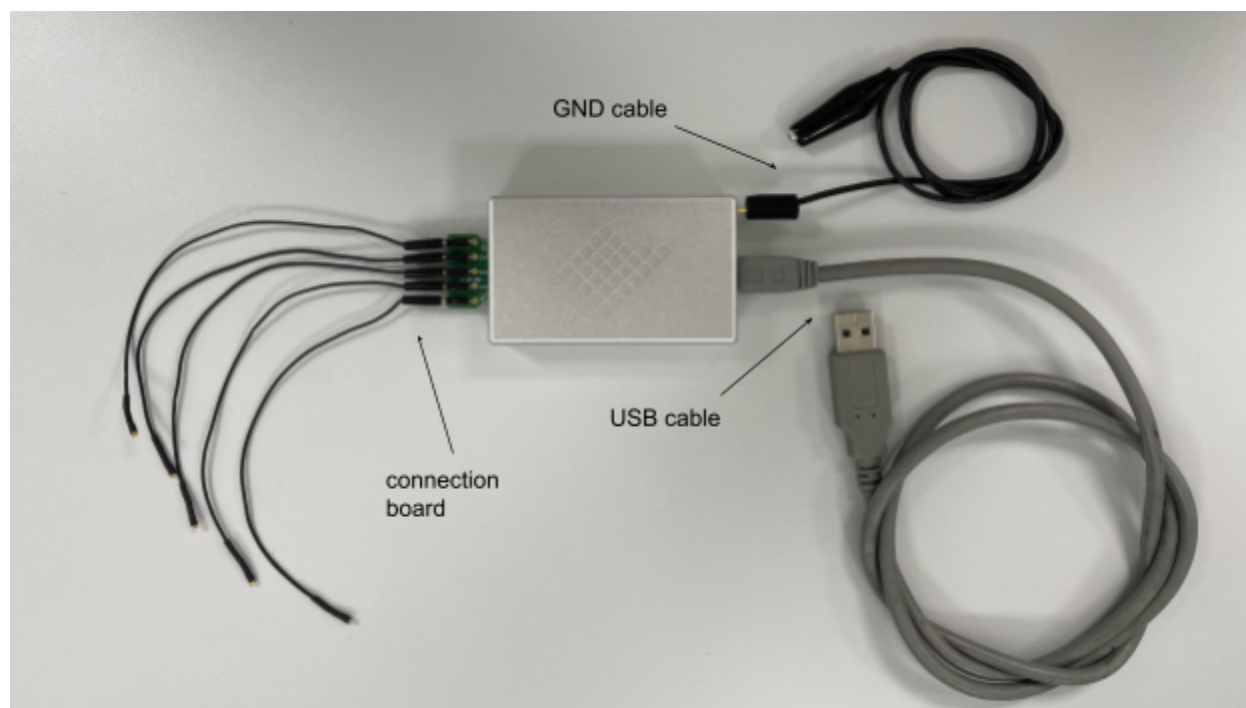


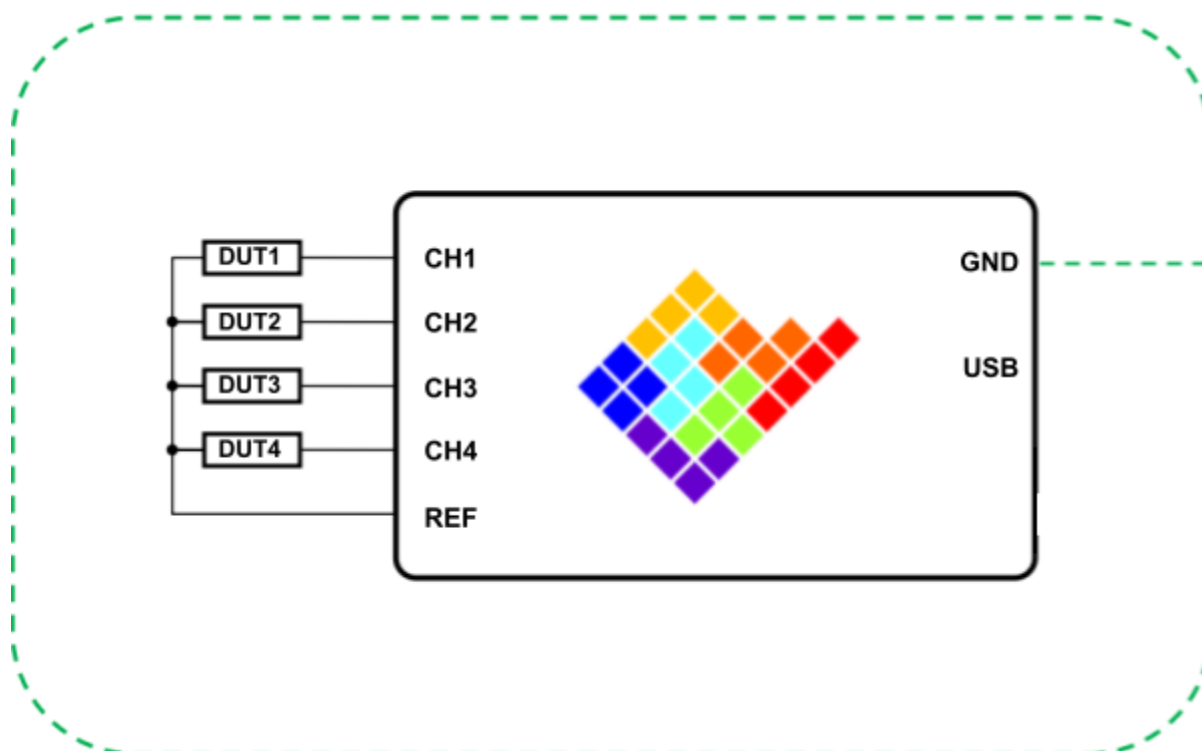


## Typical e4 connection example



The e4 is directly plugged to a laptop via USB cable and it forms a complete and stand-alone system.





The e4 has 4 input pins (CH1, CH2, CH3 and CH4) and a reference pin (REF). Protocol voltages are applied on the input pins with respect to REF, so the Devices under Test (DUT1, DUT2, DUT3 and DUT4) must be connected between one of the input pins and REF. It is not necessary to connect 4 DUTs for the device to work correctly.

In order to properly protect the device from environmental noise it is important to shield it with a faraday cage (dashed green line) that must be connected to the ground pin (GND).

**IMPORTANT NOTE:** GND and REF are at different potentials, so in order to avoid short circuits gnd and the faraday cage must be electrically isolated from ref and the DUTs.



**ATTENTION!**  
**OBSERVE PRECAUTIONS FOR HANDLING**  
**ELECTROSTATIC SENSITIVE DEVICES**

