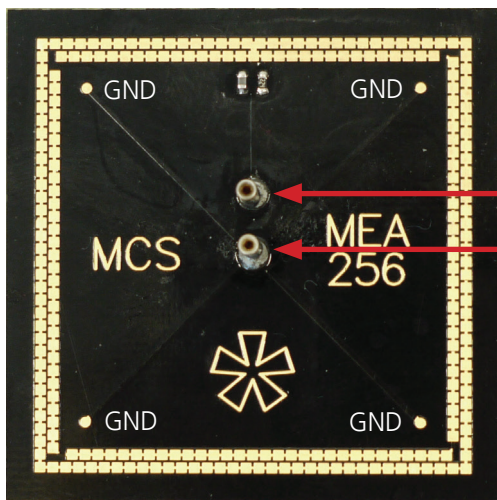


Test-256MEA

Test Model Probe for USB-MEA256-Systems

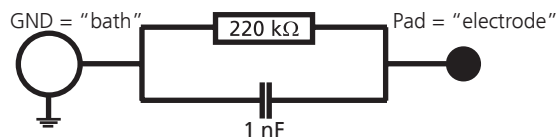


Signal Source

Signal Ground, internal connected to the four GND connections.

Scope of delivery:

- 1 Test Model Probe Test-256MEA
- 1 CB-GND cable (CB-GND cable with a length of ca. 50 mm and 0.76 mm connectors at each end.)



For the intention to check the noise level of an USB-MEA256-System without external signals, please connect "Signal Source" and "Signal Ground" sockets with a CB-GND cable for a short circuit. All 252 recording electrodes are internally connected to the resistor-capacitor pair.

The provided test model probe simulates a 256MEA with a resistor of 220 kΩ and a 1 nF capacitor between ground and each of the electrodes. It can be used for testing the noise level of the electrodes of an USB-MEA256-System for all 252 recording electrodes simultaneously.

Important

To feed in test signals into the USB-MEA256-System via the test model probe, please connect the signal source, for example a STG, to the "Signal Source" socket, and the signal ground via "Signal Ground" socket to the amplifiers ground. For ground connection and for short circuit please use the provided cable CB-GND. The impedance between signal source and contact pads averages 120 kΩ at 1 kHz.



Warning: The device may only be used together with the USB-MEA256-System from Multi Channel Systems MCS GmbH, and only for the specified purpose. Damage of the device and even fatal injuries can result from improper use.