

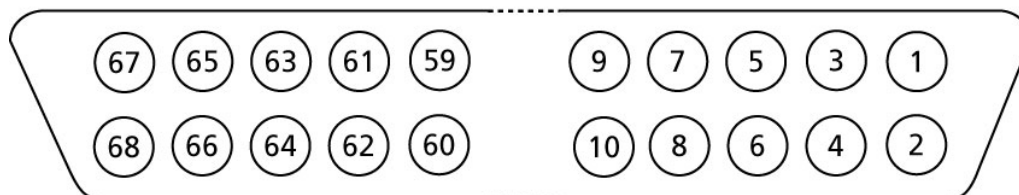
## MEA Amplifier with Blanking Circuit for Inverse Microscopes - User Manual

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The following illustration shows the standard pin layout of the socket on the amplifier. The list below shows the assignment of the electrodes to the pins of the socket. Pin 1 is the ground of the power supply, pin 2 is the ground of the signal, that is, where the signal is referred to. Both pins are already **internally connected** inside the amplifier.

If you are planning to build a custom setup with a home-made filter amplifier, please be careful with the input of the filter amplifier. Since the MEA1060-BC is a quasi DC-coupled preamplifier, the input into the filter amplifier has to be AC-coupled, that is, there has to be a capacitor at the input, before the signal is led into the operational amplifier. Otherwise, you will have problems with the offset of the metal electrodes, and your filter amplifier will go into saturation.

### 68-Pin MCS standard socket



Pin 1:	GNDP (power ground)
Pin 2:	GNDS (signal ground)
Pin 3-62:	Electrode channels, see separate list
Pin 63-66:	Channel A1-A4
Pin 67:	Positive voltage supply
Pin 68:	Negative voltage supply